



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

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Note: Throughout this publication, "you" refers to students newly admitted, readmitted or returning to McGill.

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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:

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

1.1.2.3 Part-Time Students

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

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

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

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

Students in Additional Session or Non-Thesis Extension are students with a registration status of Additional Session (thesis programs) or Non-Thesis Extension (non-thesis programs) and paying fees accordingly. The following are such students:

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

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

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

1.1.2.5 Thesis Evaluation Students

Students who have completed the residency requirements for their graduate thesis program and who have submitted their initial thesis to Graduate and Postdoctoral Studies by the April 15, August 15, or December 15 initial thesis submission deadlines must register on *Minerva* in order for their registration status to be updated to "Thesis Evaluation". All students are required to stay registered and pay the associated fees up until the term of graduation. The registration status will be updated to "Thesis Evaluation" for all subsequent terms until the term of the final thesis submission. Students in thesis programs whose initial thesis and final thesis submissions are in the same term will not require a "Thesis Evaluation" status.

"Thesis Evaluation" students are considered to be:

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

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

1.1.2.6 Qualifying Students

Students admitted to a Qualifying program are known as Qualifying Students for a Master's. They must meet the application and admission requirements indicated by the chosen graduate department and the Graduate Admissions Unit of Enrolment Services. The courses taken during a Qualifying year will not be credited toward a degree program. Students are registered in graduate studies but have not yet been admitted to a degree program. These students take a full load (12 credits minimum) per semester of undergraduate courses as specified by the department. Only one Qualifying year is permitted.

1.1.2.7 Special Students

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

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

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

1.1.2.8 Visiting Students

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

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

1.1.2.9 Graduate Research Trainee

Eligibility

If you are enrolled in a graduate program at another university and would like to attend McGill for a period of up to 12 months, to conduct research only, you must apply as a Graduate Research Trainee. Research trainees are not permitted to register for courses. This category of registration is for students registered in graduate programs in other universities to conduct **part** of their thesis research at McGill under the supervision of a McGill professor. The purpose of the training period at McGill must be described.

Acceptable reasons include:

- the student is engaged in collaborative projects between professor(s) at McGill and the student's sponsoring institution
- the student wishes to take advantage of specific expertise, academic resources, or technical capabilities at McGill to enhance the thesis research being conducted at the sponsoring institution
- the student is spending a stage at McGill under a specific Memorandum of Understanding between McGill and the sponsoring institution
- the student's thesis supervisor has relocated to McGill, but the student remains registered at the former institution to complete their graduate degree.

The category of Graduate Research Trainee cannot be used to conduct the majority of thesis research at McGill under the supervision of a McGill professor.

Conditions

Students applying to be a Graduate Research Trainee:

- must be registered in a graduate degree program at another university;
- must have permission from the sponsoring institution and include a letter of permission with their application;
- must have the approval of a McGill professor and graduate program to supervise their research;
- may apply for a start date throughout the academic year, but for administrative reasons, must reapply at the beginning of the formal academic year (for Fall term admission) if remaining at McGill; for example, if you begin a 12-month visit in January, you must reapply for the Fall term (September). A trainee may spend up to a maximum of 12 months at McGill, but the time does not have to be consecutive. The trainee can apply for multiple stages over a period of time that does not exceed 12 months.
- must include copies of transcripts as part of the application package;
- must demonstrate adequate proficiency in English to function in the University environment, including any required safety training and understanding of policies and procedures. Assessment of written and verbal language skills is the responsibility of the supervising professor;
- are not charged fees for any term of registration including Summer;
- are not charged any Student Services or Ancillary fees and thus do not have access to these services (including health insurance). Membership to athletics services may be purchased. Graduate Research Trainees do have access to McGill libraries, email, and required training in research ethics and safety;
- must arrange for basic health insurance coverage prior to arrival at McGill and may be required to provide proof of coverage.

To submit an application refer to: mcgill.ca/gps/students/graduate-research-trainee.

1.1.2.10 Non-Resident Exchange Status

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

1.1.2.11 Medical Residents

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

1.1.2.12 McGill Staff as Graduate Students

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

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

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

In certain exceptional cases, professorial members of the academic staff may apply to a graduate program in academic units other than their own. Enrolment Services may grant permission if it is satisfied that the applicant's teaching unit and proposed unit for graduate study are sufficiently remote that conflict of interest situations will not arise. Permission must be granted before any courses are taken toward the proposed degree.

1.1.2.13 Quebec Inter-University Transfer Agreement

1.1.2.13.1 Quebec Inter-University Transfer Agreement: McGill Students

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

If you are a regular McGill undergraduate or graduate degree, diploma, or certificate student, you may register, with your faculty's permission, at any Quebec university for 3—or in some cases 6—credits per term in addition to your registration at McGill. You may also obtain permission to complete a full term (i.e., 12 to 15 credits) at another Quebec university. Your combined registration may not, however, exceed the total number of credits you are permitted to complete in a given term. These courses, subject to faculty regulations, will be recognized by McGill for the degree that you are registered for, up to the limit imposed by the residency requirements of the program. Normally, you must complete a minimum residency requirement of 60 credits at McGill in order to qualify for a McGill degree (you should check with your faculty). This privilege will be granted if there are valid academic reasons.

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

- The Quebec universities concerned may, at their discretion, refuse the registration of a student for any of their courses.
- You must complete your faculty and program requirements.
- You are responsible for ensuring that the McGill Class Schedule permits you to take these courses without conflict.
- The Quebec universities concerned are not responsible for special arrangements in cases of examination or class schedule conflicts.
- Grades earned at the host university will not be included in your McGill grade point averages (GPA) or show on your McGill transcripts.

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

If you are a scholarship holder, you should consult with your Student Affairs Office and the scholarships coordinator concerning 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 home university website for regulations on the number of credits allowed, as well as the policies for transferring the credits.



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



Note for Engineering: Courses administered by the Faculty of Engineering that are offered in the Summer term are open to McGill students only.



Note for Continuing Studies: If you are a Visiting IUT Student and your application has been approved, you must register in-person, by appointment only (see [University Regulations & Resources](#) > [Continuing Studies](#) > [Registration for Continuing Studies Students](#) > [Other Ways to Register](#) > [In-Person Registration](#)).

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

1.1.3 Registration

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

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.

Returning Students:

Returning students register via Minerva between May 25, 2022 and August 14, 2022.

Newly-Admitted Students:

New students entering in **September 2022** register via Minerva between July 5, 2022 and August 14, 2021.

New students entering in **January 2023** register via Minerva between December 1, 2022 and January 4, 2023.



Note: If you fail to register during the normal registration period, you can register within the period designated by the University for late registration. You will, however, be charged a late registration fee. **To avoid the late registration fee, students must access Minerva and register for REGN RCGR (the Registration Confirmation course) in both the Fall (CRN 180) and Winter (CRN 190) terms.** New and readmitted students entering in January 2023 only need to register for REGN RCGR in the Winter (CRN 190) term.

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

You must register (and pay fees) annually up to and including the term of graduation. Outstanding tuition fees must be paid **before** graduation. A graduate student registered in the Winter term who graduates in February will have their Winter registration and fees cancelled at the end of February.

1.1.3.2 Fee Policies Related to Registration

Refer to [University Regulations & Resources](#) > *Graduate* > [section 1.8: Fees](#); particular attention should be paid to [section 1.8.8: Fees and Withdrawal from the University](#).

1.1.3.3 Summer Registration

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

Course Registration

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

Summer Term of Residency

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

1.1.3.4 Courses Taken as an Admission Requirement

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

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

1.1.3.5 Courses Taken in the School of Continuing Studies

In the Fall and Winter terms, students may add credit courses (500 level or higher) offered through the School of Continuing Studies (SCS) directly on Minerva. Please see mcgill.ca/importantdates for deadlines.

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

1.1.3.6 Courses Taken as Extra to a Program

Courses that you choose to take outside your program may be classified as "extra" provided that you choose this option at the time of registration. The course will be designated as "extra" ("RX" at the time of registration, and "E" once the course is graded) on your transcript, and the grade earned in that course will not be included in your grade point average (GPA) calculation. This option cannot be added to your record after the course change add/drop deadline. With the exception of those who are eligible for a Graphos tuition sponsorship (see below), you will be responsible for any tuition fees associated with an "extra" course.

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 Review 1: Summary and Critique

CEAP 665 – Literature Review 2: Establishing Scholarly Niches

CEAP 671 – Selected Topics in Communication 1

CEAP 672 – Selected Topics in Communication 2

CEAP 676 – Thesis Writing Lab

CESL 631 – Strategies for Academic Communication in English

CESL 641 – Fundamentals of Academic Writing in English

CESL 651 – Pronunciation for Effective Communication

1.1.3.7 Registration for Two Degree Programs Concurrently

No student may register in two degree programs or in two departments or faculties or two institutions concurrently without special permission granted by the Graduate Admissions Committee (composed of the Dean and Associate Deans of Graduate and Postdoctoral Studies) and in consultation with the Graduate Admissions Unit of Enrolment Services, you are advised that permission is never granted to attempt two **full-time** programs concurrently. Letters of recommendation, including details of the proportions of time that the student intends to allot to each program, must be received from the Chair of each department concerned. Each year, a progress report must be submitted from the two departments concerned to the Graduate Admissions Committee c/o the Graduate Admissions Unit of Enrolment Services before a student in this category will be permitted to register.

1.1.3.8 Late Registration

If you fail to register during the normal registration period, you can register within the period designated by the University for late registration with the payment of a **late registration fee**. For late registration fees, see *Late Registration and Course Change Charges* on the [Student Accounts website](#).

Returning Students: You may register late via Minerva from August 15 until and including September 13, 2022.

New and Readmitted Students (Fall): You may register late via Minerva from August 15 until and including September 13, 2022.

New and Readmitted Students (Winter): You may register late via Minerva from January 5 until January 17, 2023.

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

1.1.3.9 Course Change Period

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

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

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

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.



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

If you are blocked from withdrawing from a required course on Minerva, and have permission to do so, you must contact the [Student Affairs Office](#), who will provide you with the proper forms.



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

1.1.3.11 Withdrawal from a Degree Program

You are withdrawn from the program if you have failed two courses for your program, or you failed the comprehensive examination. You may be withdrawn from the program if your progress is not satisfactory. Please see [section 1.2.2: Failure Policy](#).

Any student who withdraws from the University **must complete a Request for a University Withdrawal form** available at mcgill.ca/student-records/forms. Fees will then be refunded according to the conditions outlined in [section 1.1.3.9: Course Change Period](#) and in [section 1.1.3.10: Course Withdrawal](#).

1.1.4 Course Information and Regulations

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

At the time this publication was finalized, new courses and modifications to some existing courses were under consideration. Students preparing to register are advised to consult [Class Schedule](#) and refer to mcgill.ca/students/courses for the most up-to-date information on courses to be offered.

Not all courses listed are offered every year.



Note for Graduate Studies: You are advised to also refer to [University Regulations & Resources](#) > Graduate > Regulations > [section 1.1.3: Registration](#) and [section 1.1.8: Student Records](#).



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



Note for Summer Studies: Refer to : [Student Types and Registration Procedures](#) and : [Student Records](#) for further information.

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 unless the same section of all three components are successfully completed.



Note for the Faculties of Arts and Science (including B.A. & Sc.): If you select a multi-term course, you are making a commitment to that course for its entirety. *You must register in the same section in all terms of a multi-term course.* Credit will be jeopardized if you deliberately register in different sections of a multi-term course. In the case of Fall/Winter D1/D2 courses, attempting to change section in Winter may result in an inadvertent withdrawal (W) from the D1 course, and reinstatement in the D1/D2 course will result in you being charged administrative fees.

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

- Arts students – Associate Dean, Student Affairs
- Science and B.A. & Sc. students – Associate Dean, Student Affairs, Science

Important Conditions for Multi-term Courses

1. You must be registered for each component of the multi-term course. You must ensure that you are registered in the same section in each term of the multi-term course.
2. You must successfully complete each component in sequence as set out in the multi-term course. Credit is granted only at the end of the multi-term course; no partial credit is given, i.e., for completing only one component of a D1/D2 or N1/N2 course, or one to two components of a J1/J2/J3 course.

1.1.4.4 Course Terminology

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

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

Credits: The credit weight of each course is indicated in parentheses beside the course title. For D1 and D2 courses, the credit weight is indicated after the course number. For further information, refer to [University Regulations & Resources](#) > Undergraduate > Student Records > : [Credit System](#).

1.1.4.4.1 Course Nomenclature in Program Descriptions

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

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

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

1.1.4.5 Auditing of Courses

McGill does not permit auditing of courses.



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

1.1.5 University Withdrawal

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

1.1.5.1 Student's Responsibility

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



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



Note for Graduate and Postdoctoral Studies: If you are considering withdrawing from the University, you are strongly encouraged to consult with your academic unit before making a final decision. The date the request for withdrawal is submitted is the official date of withdrawal. Students who do not register in a given term are subject to University withdrawal. If you wish to return to complete your program in a later term, you must submit a [Request for Readmission](#).



Note for Physical and Occupational Therapy: If you are blocked from withdrawing from course(s) in Minerva, you must contact the Student Affairs Office, who will provide you with the proper forms.

1.1.5.2 Deadlines for University Withdrawal

If you decide not to attend the term(s) you are registered in, you must officially withdraw from the University within the deadlines indicated. See Withdrawal (W) deadline dates at mcgill.ca/importantdates. If you *drop* all of your courses between September 1 and the Fall add/drop deadline, or between January 1

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



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



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



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

1.1.5.3 Consequences of University Withdrawal

Any applicable fee refunds for the term of withdrawal will be according to [section 1.8.8: Fees and Withdrawal from the University](#).

Once you withdraw, you must return your ID card to the University as stated in [section 1.1.11.1: Identification \(ID\) Cards](#).

If you withdraw from the University in the Fall term, you are considered to be withdrawn from the entire academic year; i.e., Fall and Winter terms. If you plan on returning for the Winter term, you must follow the procedures for readmission.



Note: If you withdraw from the University and want to re-register in a later term, you must follow the procedures for readmission, except if you are in the following faculties (in which case you must contact your Student Affairs Office): Music, and Agricultural and Environmental Sciences. See [University Regulations & Resources > Undergraduate > Registration > : Readmission](#) for more information.



Note for the Faculty of Law: You must reapply for admission via the McGill online application process. For more information, see mcgill.ca/law/bcl-jd.

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 Registration/Course Changes* web form available at mcgill.ca/student-records/forms, and the course will be added by Enrolment Services if there is space available.

Please consult the Class Schedule for specific information on course dates and times, available at mcgill.ca/students/courses.

1.1.7 Program Requirements

1.1.7.1 Master's Degrees

Residency Requirements – Master's Degrees

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

- The following master's programs have a **minimum** residency requirement of **three full-time terms**: M.Arch., M.A., M.Eng., LL.M., M.Mus. (**except** M.Mus. in Sound Recording), M.Sc., M.S.W., M.Sc.A. (**except** M.Sc.A. in Communication Sciences and Disorders).
- The following master's programs have a **minimum** residency requirement of **four full-time terms**: M.I.St.; M.Mus. in Sound Recording; M.U.P.; M.A. (60 credits – Counselling Psychology – thesis; 78 credits – Educational Psychology); M.A. Teaching and Learning – Non-Thesis; M.Sc.A. in Communication Sciences and Disorders; S.T.M., Religious Studies.
- The residency requirement for the master's program in Education (M.Ed.); Information Studies (M.I.St.); Management (M.B.A.); Religious Studies (S.T.M.); M.A. Counselling Psychology – Non-Thesis; M.A. Teaching and Learning – Non-Thesis; M.Sc. in Public Health – Non-Thesis; M.Sc.A. Nursing; M.Sc.A. Occupational Therapy; M.Sc.A. Physical Therapy; and students in part-time programs, is determined on a per course basis. Residency requirements are fulfilled when students complete all course requirements in their respective programs.
- For master's programs structured as Course, Project, or Non-Thesis options where the program is pursued on a part-time basis, residency requirements are normally fulfilled when students complete all course requirements in their respective programs (minimum 45 credits or a minimum of three full-time terms) and pay the fees accordingly.

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

Coursework – Master's Degrees

Program requirements are outlined in the relevant departmental sections of the Graduate and Postdoctoral Studies *eCalendar*.

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

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

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

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

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

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

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

If the courses completed elsewhere or at McGill prior to admission were used to complete a degree, exemptions may be granted without credit, i.e., the exempted course(s) must be replaced by other graduate course(s) at McGill. Double counting is not allowed, unless the department offering the master's

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

Research and Thesis – Master's Degrees

All candidates for a research degree must present a thesis based on their own research. The total number of credits allotted to the thesis in any master's program must not be less than 24. The title of the thesis and the name of the examiner must be forwarded on a *Nomination of Examiners* form, available at mcgill.ca/gps/thesis/thesis-guidelines/initial-submission, 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 Ph.D. 1 level.

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

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

It is required that candidates spend the greater part of each summer working on their theses, and those who do not do so are unlikely to complete a satisfactory thesis in the prescribed minimum time (see [section 2.8.3: Vacation Policy for Postdocs](#)).

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

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

Comprehensive Examinations – Doctoral

Doctoral programs at McGill require candidates to pass a comprehensive examination or set of examinations or equivalent, such as qualifying examinations, preliminary examinations, candidacy papers, comprehensive evaluations, thesis proposals, etc. The results of this examination determine whether or not students will be permitted to continue in their program. The methods adopted for examination and evaluation and the areas to be examined are specified by departmental regulations and approved by Graduate and Postdoctoral Studies. It is your responsibility to inform yourself of these details. For more information, see [University Regulations & Resources > Graduate > Guidelines and Policies > section 1.2.10: Ph.D. Comprehensives Policy](#).

Language Requirements – Doctoral

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

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

All language requirements must be fulfilled and the grades reported **before** submission of the thesis to GPS (see [section 1.1.9: Regulations Concerning Theses](#)).

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

Thesis – Doctoral

The thesis for the Ph.D. degree must display original scholarship expressed in good literate style and must be a distinct contribution to knowledge. **Formal notice of a thesis title and names of examiners must be submitted to eGraduate and Postdoctoral Studies (GPS) on the Nomination of Examiners eform, available at mcgill.ca/gps/thesis/thesis-guidelines/initial-submission, in accordance with the dates on mcgill.ca/importantdates, at the same time as the thesis is submitted.** The list of examiners must be approved by the eGraduate Program Department Director, the supervisor and the student. The Thesis section of eGraduate and Postdoctoral Studies should be notified of any subsequent change of title as early as possible. Guidelines and deadlines are available at mcgill.ca/gps/thesis/thesis-guidelines.

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

eDoctoral Oral Defence

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

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), which is calculated by dividing the sum of the course credit, times the grade points by the total course GPA credits. The result is not rounded up to the nearest decimal point.

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

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

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

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



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

Other Course Grades:

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

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

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

J — unexcused absence (failed); the student is registered for a course but does not write the final examination or do other required work; calculated as a failure in the TGPA and CGPA.

K — incomplete; deadline extended for submission of work in a course or for the completion of a program requirement such as a Ph.D. language examination (maximum four months). (*Signed K contract required*)

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

KK — completion requirement waived. Not calculated in TGPA or CGPA. This is used in exceptional cases only, with the approval of the Assistant Registrar, Records. Not calculated in TGPA or CGPA.

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

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

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

NA or && — grade not yet available.

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

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

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 [University Regulations & Resources](#) > Undergraduate > Examinations: General Information > Final Examinations > : [Final Examinations: Deferred Examinations](#).

You must request option 3 by the faculty deadlines as indicated at mcgill.ca/exams.

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



Note for the Faculties of Arts and Science (including B.A. & Sc.): Requests are made at [Service Point](#) (3415 McTavish Street). However, it is important that you also see a Faculty adviser in [Arts OASIS](#) or [SOU SA](#) 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 Graduate and Postdoctoral Studies: Only options 2 and 3 above are applicable to graduate students. Students wishing to appeal a J grade should write to the Associate Registrar, Management of Academic Records.

1.1.8.2 Transcript of Academic Record

The proceeding sections contain information on transcripts and other details regarding academic records.

1.1.8.2.1 Policy Concerning Access to Records

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

Personal information is protected in the Province of Quebec by the *Act Respecting Access to Documents held by Public Bodies and the Protection of Personal Information* (the "Access Act"). The Access Act provides that McGill University can only release personal information contained in your file with your authorization or if specifically authorized by law.

For the purpose of consent and acknowledgement at the time of application, personal information includes, but is not limited to: name, address, telephone number, email address, date of birth, citizenship, McGill ID, program, student status, and academic record information.

Registered students may oppose the release of certain personal information by completing an [Opposition Form](#) at the Enrolment Services Office or at the Student Affairs Office (Macdonald Campus).

After having reviewed the information relating to access to personal information at the time of application, you would be asked to agree that the University may collect, use, disclose, or otherwise manage your personal information as described below, as necessary and as the case may be.

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

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

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

In addition to the above, **if you are a candidate for admission to the Faculty of Law, you would be asked to consent to** the release of personal information to the Committee for Law Admissions Statistics Services and Innovations (CLASSI) and the Native Law Centre Summer Program at the Native Law Centre, University of Saskatchewan.

In addition to the above, **if you are a candidate for admission to the Faculty of Medicine and Health Sciences or to the Faculty of Dental Medicine and Oral Health Sciences in undergraduate, graduate, or postgraduate studies, you 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 **acknowledge** that:

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

1.1.8.2.2 Transcript of Academic Record: General Information

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

The University issues official transcripts in electronic or paper format. Requests for both electronic official (**eTranscripts**) and paper transcripts are submitted in *Minerva*.

eTranscript PDFs are sent the same-day in as little as 15 minutes (providing there are no holds on your student account and no attachments to review) via the National Student Clearing House, a US-based non-profit organization and leading provider of trusted, educational data exchange and verification services. A minimal service fee applies.

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

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

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

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

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

1.1.8.2.3 Unofficial Transcripts

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

1.1.8.2.3.1 Verification of Student Records: Unofficial Transcripts

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

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



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 *Arts OASIS* or *SOUSA* to talk about your options and the effects that your request may have on your studies. For more information, see mcgill.ca/students/advising.



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.

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 government-issued Photo ID.



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

1.1.8.2.5 Course Numbering on the Transcript

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

107-200A = Philosophy (107) course (200) in Fall term (A);

301-202B = Architecture (301) course (202) in Winter term (B);

154-230D = Economics (154) course (230) extending for two terms, Fall and Winter (D).

A list of the former teaching unit codes and their subject code equivalents is available at mcgill.ca/student-records/transcripts/key.

For information on our current course numbering, see [University Regulations & Resources > Undergraduate > Registration > Course Information and Regulations > section 1.1.4.2: Course Numbering](#).



Note for Continuing Studies: Examples of course numbers displaying on transcripts prior to September 2002 are:

280-211X = Intro. to Financial Accounting in Fall term (X);

629-202Y = Micro Economics in Winter term (Y);

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

1.1.8.3 Tracking Student Progress: myProgress

1.1.8.3.1 myProgress

myProgress is a web-based tool that allows students to track their progress towards completion of their undergraduate degree. The tool offers an overview of the degree requirements a student has completed in relation to those remaining before being able to apply for graduation.

Students admitted to a McGill undergraduate program as of Fall 2019 will have access to myProgress. It is currently open to select faculties only; please refer to the following websites for more information.

- **Undergraduate students:** please refer to the [Undergraduate myProgress website](#).
- **Graduate students:** please refer to the [Graduate myProgress website](#).

1.1.8.3.2 Degree Evaluation Tool



Note: The Degree Evaluation tool is currently available only to students in certain faculties admitted *prior to Fall 2019*.

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

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

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

Degree Evaluation is an advising tool only. A Degree Evaluation Report that indicates program requirements have been satisfied does **not** constitute approval to graduate. For details regarding the Degree Evaluation tool, including *Reading a Degree Evaluation Report*, click [here](#).



Note for Medicine, Dentistry, and Nursing: The Degree Evaluation tool is not used in the Faculties of Medicine and Health Sciences, Dental Medicine and Oral Health Sciences, and the Ingram School of Nursing.

1.1.8.4 Changes to Student Records after Normal Deadlines

1.1.8.4.1 Student Record Changes

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

1.1.8.4.2 Registrar Deadlines

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

1.1.8.4.3 Before Registrar Deadlines

For record changes after the normal deadlines published in this publication, but before the [section 1.1.8.4.2: Registrar Deadlines](#), you must make a request in writing to your Associate Dean or Director, clearly explaining why you could not request the change before these dates. The Associate Dean or Director will review your request and make a decision. If your request is approved, the change is processed according to existing faculty and Enrolment Services student record procedures.



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

1.1.8.4.4 After Registrar Deadlines

The University does not normally consider a change requested after the [section 1.1.8.4.2: Registrar Deadlines](#) have passed. In situations where there are extraordinary personal or extraordinary academic circumstances that could not have been foreseen prior to these deadlines, you may formally request a student record change from your Associate Dean or Director. If your Associate Dean or Director approves the request, the change will be processed according to faculty and Enrolment Services student record procedures. You may be assessed a fee for a change requested after Registrar deadlines. For all changes other than grade changes, the faculty will file full documentation that supports the extraordinary circumstances with Enrolment Services.



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

1.1.8.4.5 Fee Assessment Consequences

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

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

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

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

1.1.9 Regulations Concerning Theses

1.1.9.1 Thesis Regulations

A thesis is a scholarly work requiring discussion of methodology, conclusions, and significance of the research beyond what might be expected for manuscripts for publication. A thesis must be written in English or French; exceptions are only allowed for specific language units. The University requires that all theses conform to the [general requirements](#) for master's and doctoral theses.

1.1.9.2 Thesis Submission (Initial and Final Thesis Submission)

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

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

1.1.9.3 Master's Thesis Examiner

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

1.1.9.4 Doctoral Thesis External Examiner

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

1.1.9.5 Doctoral Thesis Internal Examiner

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

1.1.9.6 Conflict of Interest

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

1.1.9.7 Thesis Examination

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

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

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

1.1.9.8 Doctoral Oral Defence

The objectives of the oral defence are to ensure that:

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

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

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

1.1.9.9 Oral Defence Outcomes

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

PASSED

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

NOT PASSED

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

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



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

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 TIFF 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 have a copy); the list of acceptable documents is listed in the [section 1.1.11.2.1: Legal Name](#) section above
3. Submit the completed form and copy of the legal document by email attachment (PDF or TIFF format) to legaldocumentation@mcgill.ca

1.1.11.3 Preferred First Name

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

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

The preferred first name 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 Nursing (B.N.I.) - Integrated Nursing (65 credits)***

Graduate Programs

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

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

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

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

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

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

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

section 5.12.2.38: Certificat d'études supérieures (Cert.ed.sup.) pédagogie de l'immersion française (15 crs)

: *Graduate Certificate (Gr. Cert.) Public Relations & Communication Management Practice (15 credits)*

*section 5.12.2.37: Graduate Certificate (Gr. Cert.) Teaching English as a Second Language (15 credits)***

Master of Management (M.M.) IMHL (Non-Thesis) (*as of the Winter 2023 term*)*

Continuing Studies Programs (Undergraduate and Graduate Levels)

: *Certificate (Cert.) Applied Cybersecurity (30 credits)*

: *Certificate (Cert.) Computers and Information Technology (30 credits)*

: *Certificate (Cert.) Indigenous Business Management (30 credits)*

: *Certificate (Cert.) Public Administration and Governance (30 credits)*

: *Diploma (Dip.) Public Administration and Governance (30 credits)*

: *Graduate Diploma (Gr. Dip.) Legal Translation (30 credits)*



*: This program is self-funded



** : This program may also have an on-campus equivalent. Only students in the online version of the program must use Minerva to submit a declaration of location for a registered term.

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

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

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

Online program students must self-declare their location while studying **for every term they are registered in the online program** via Minerva under *Student Menu > Location of Study - Online (distance) program*. Students are notified by email that the Minerva form *for the upcoming term* is open and can be accessed. The form opens to all registered students in the above programs on:

Fall term: July 16

Winter term: November 16

Summer term: March 16

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

- Students in a **Continuing Studies** program should call 514 398-6200 or email info.conted@mcgill.ca.
- All other students should contact Service Point at mcgill.ca/servicepoint/contact.

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

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

1.1.12 Submitting Legal Documents

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

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



Note 2: Your valid Canadian Permanent Resident status can be proved by a copy of your Canadian Confirmation of Permanent Residence (IMM 5292 or IMM 5688) document or with your Canadian Permanent Resident card (both sides). Alternatively, you may provide your Immigration Record of Landing (IMM 1000) document. Note that McGill reserves the right to ask you for copies of both your PR card and your IMM document.



Note 3: If you are a refugee, your Convention Refugee Status document is required instead of a Study Permit.



Note 4: Usually McGill needs your birth certificate to prove your place of birth in Quebec. If you already have a valid Quebec Permanent Code, McGill will accept a copy of your valid Canadian passport that indicates your birth place as being within the province of Quebec as proof that you are eligible for Quebec residency.



Note 5: You can find links to download and print the Permanent Code Data and Attestation of Quebec Residency forms at mcgill.ca/legaldocuments/forms.

1.1.12.2.1 Fee Exemptions

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

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

These exemptions lower your fees to the Quebec rate of tuition. More detailed information for the categories listed above are available at mcgill.ca/student-accounts/tuition-fees/general-tuition-and-fees-information/tuition-fee-exemptions as well as at mcgill.ca/legaldocuments/exemption.

Note that this information may be subject to change.

1.1.12.3 Has McGill Received Your Documents?

1.1.12.3.1 Quebec/Canadian/International Fees and Immigration Status

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

- Check your tuition status on the *Minerva* Student Accounts menu: *Student Menu > Student Accounts Menu > View Tuition Fee and Legal Status*.



Note: Ensure that you select the correct term when viewing your status.

- Check the phrase: *Fees currently calculated according to rules for...* This will tell you if your tuition status is currently being billed at the international rate, the Canadian rate, or at the Quebec rate. For information on fees, see mcgill.ca/student-accounts.

If you do not agree with your tuition status, notify McGill right away. Documentation provided to modify your legal and tuition status must be received within the given semester for changes to be applied for that semester. Retroactive tuition status updates are not permitted; requests and documents submitted after the semester has ended will be processed, with changes applied to the following semester.

1.1.12.3.2 Permanent Code

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

- Check your Permanent Code on Minerva: *Personal Menu > Name Change* or alternately via *Student Menu > Student Accounts Menu > View Tuition Fee and Legal Status*. If your 12-character Permanent Code appears there, your documents are in order. If not, you have not yet provided McGill with your documents listed in [section 1.1.12.2: What Documents Does McGill Need from You?](#) or the Government of Quebec has not yet confirmed that your documents are sufficient to create a Permanent Code.

1.1.12.4 What Are the Consequences of Not Providing Your Documents?

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

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

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

1.1.12.5 Where and How Do I Send My Documents?

You must send in all your documents after you have accepted your offer of admission but before the start of classes. **Do not send originals.** Email clear and legible copies of your documents. Write your McGill student ID in the filename of each document so that McGill can match them to your record. The sooner you submit your documents, the sooner the University can update your status and ensure that your record is in order.

Please refer to mcgill.ca/legaldocuments/how for detailed instructions on where/how to submit your documents.

If there is a problem with your documents, contact:

Telephone: 514-398-7878

Website: mcgill.ca/servicepoint/contact-us

1.1.12.5.1 For the School of Continuing Studies

By Email:

legaldocuments.conted@mcgill.ca

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

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

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

Telephone: 514-398-6200

Email: info.conted@mcgill.ca; legaldocuments.conted@mcgill.ca

1.1.13 Graduation

In order to graduate, you must complete faculty and program requirements in the program you were admitted to and registered in. **It is your responsibility to meet all faculty and program requirements before graduation.**

At the time of graduation from an undergraduate degree, you must be in Satisfactory Standing with a minimum CGPA of 2.00. Some faculties may require a higher CGPA in order to graduate.

You should contact your adviser (graduate students should contact their department) early in the graduating year to make sure you will meet your program requirements by graduation time. For contact information on advisers, see mcgill.ca/students/advising/advisordirectory.

Once your record has been approved for graduation, your unofficial and official transcripts will indicate the notation “Degree Granted” after approval by the University Senate.

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

For more information on applying to graduate, refer to the [Apply to Graduate](#)

Minimum Residency Requirement

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

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

Graduate students should refer to their faculty under [Faculties & Schools](#) > [Graduate](#) > [Program Requirements](#) for information on minimum residency requirements for graduate programs. This information is listed for each faculty, and you can also access it through your faculty's graduate pages.



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

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

1.1.13.1 Apply to Graduate

Most undergraduate students and non-thesis graduate students (master's, certificates, diplomas) must use [Minerva](#) to apply to graduate (go to [Student Records](#) > [Apply for Graduation for Your Primary Curriculum](#)). It is your responsibility to inform McGill of your intention to graduate. You need a minimum residency requirement of 60 credits at McGill to qualify for a McGill undergraduate degree. For more information, see [section 1.1.13: Graduation](#). The minimum CGPA required to graduate is 2.00, and you must be in Satisfactory Standing.

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

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

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

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

1.1.13.1.1 Deadlines

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

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



Note for the Faculties of Arts and Science (including B.A. & Sc.): Requests are made at [Service Point](#) (3415 McTavish Street). However, it is important that you also see a Faculty adviser [Arts OASIS](#) or [SOUASA](#) 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 Continuing Studies: The minimum residency requirement of 60 credits does not apply to the School of Continuing Studies certificates and diplomas.



Note for Graduate and Postdoctoral Studies: If you miss one of these deadlines, you must follow the procedures at mcgill.ca/gps/students/registration/graduating. The Application for Graduation is available on Minerva for students in non-thesis programs who have registered for their final year. To ensure that you have met the requirements for graduation, you should refer to *Program Requirements > Master's Degrees*, found under each faculty's *Graduate* section in the McGill *eCalendar*. Students in a doctoral program should refer to [Regulations Concerning Theses](#).



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

1.1.13.2 Graduation Approval Query

As a graduating student, you can view the status of your graduation record on *Minerva* during the Faculty review and approval process (go to *Student Records > Graduation Approval Query*). The Graduation Approval Query form becomes available to graduating students in early January for Fall term graduation, in early April for Winter term graduation and in early September for Summer term graduation.

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

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

See mcgill.ca/graduation/convocation for information regarding convocation ceremonies.



Note for Medicine and Dentistry: The *Application for Graduation* is available on Minerva when you register for your final year (e.g., U3 or U4), except if you are in the Faculty of Medicine and Health Sciences or Faculty of Dental Medicine and Oral Health Sciences, where you are automatically flagged for graduation in your final year.

1.1.13.3 Replacing a Diploma

1.1.13.3.1 Required Documents

Diplomas are normally distributed to new graduates at their Convocation ceremony, in either May or November. **Diplomas are not available prior to your Convocation date.**

Replacing a lost diploma

To replace a lost diploma, you must submit a request via [Service Point Checkout](#), provide the requested personal and program details, upload a government-issued photo ID and pay the replacement fee.

Requesting a diploma following your Convocation ceremony

If you didn't attend your Convocation ceremony and need to obtain your diploma, you can submit a request via [Service Point Checkout](#) and pay the requisite fees to have your diploma mailed or prepared for pick up.

Modifying the name on your diploma

If you have had a name change after graduation, and need to obtain a replacement diploma with your new name, you must first follow the steps to [request a name change](#) by completing and signing a *Personal Data Change Form* and submitting the *requisite supporting documentation*. Once you have received confirmation that the name on your McGill record has been updated, you can then submit a request for a replacement diploma via [Service Point Checkout](#), provide the requested personal and program details, upload a government-issued photo ID and pay the replacement fee.

1.1.13.3.2 Submitting your request

There are two ways to submit a request:

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. Come to [Service Point](#) in person with the required documents. You must pay the replacement fee of CAD\$120 per diploma copy (includes trackable mail delivery). Payment is accepted by **debit card only**. If you choose this option, please allow for appropriate delays in diploma printing and mailing time.



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

1.1.13.3.3 Certified Copies

Enrolment Services will certify copies of your diploma in the original language or issue certified translations in English (from the original Latin) or French (from the original in English or Latin).

Submitting your request for a certified copy

There are two ways to submit a request:

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 degree. An aegrotat indicator of 'Y' at graduation signifies that a student was awarded such a degree. An aegrotat degree is awarded only to students in Satisfactory Standing who have been unable to complete their degree due to special circumstances toward the end of their program. Information on this degree designation is only included in the convocation program, and not on the transcript.

A degree with Aegrotat Standing is rarely granted at McGill University. A formal request must be submitted to the Dean of the student's faculty and the Deputy Provost, Student Life and Learning, to approve granting a degree with Aegrotat Status.

1.1.14 Information Technology (IT) Policies and Regulations

McGill University students, faculty, staff, and other members of the McGill community benefit from a variety of Information Technology resources, which are used in accordance with University policies and directives. Visit the [IT policies](#) for further details.

Here are some key references for students :

- [section 1.1.14.1: Responsible Use of McGill Information Technology Resources](#)
- [section 1.1.14.2: Report Security Incidents](#)
- [section 1.1.14.3: Use of Cloud Services](#)
- [section 1.1.14.4: Two-factor Authentication \(2FA\)](#)
- [section 1.1.14.5: Email Communication](#)
- [section 1.1.14.6: Secure your Journey](#)

1.1.14.1 Responsible Use of McGill Information Technology Resources

Each of us has responsibilities when using McGill's IT resources. The *Policy on the Responsible Use of McGill Information Technology Resources* is a code of conduct that identifies what is acceptable when working with McGill technology resources.

For more information, view the [Policy on the Responsible Use of McGill Information Technology Resources](#) , available on the [Secretariat website](#).



Note for M.D.,C.M. and D.M.D. Programs: For guidelines regarding the use of social media by M.D.,C.M. and D.M.D. students, see mcgill.ca/ugme/policies-procedures/guidelines-social-media and mcgill.ca/thewelloffice.

1.1.14.2 Report Security Incidents

Please inform IT Services immediately if you experience or are aware of an IT security incident!

- Contact IT Service Desk through the [IT Support portal](#);
- Or by telephone at 514-398-3398.

For more information, please refer to the [IT Security Incident Response Protocol](#) .

1.1.14.3 Use of Cloud Services

McGill's *Cloud Directive* governs your usage of cloud services—programs and apps delivered over the Internet. McGill has approved cloud apps and solutions that are available for your use while at McGill. However, you'll need to choose your apps wisely as not all apps are safe, and they won't all adequately protect sensitive data (either your own or McGill's).

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 [Policy on E-mail Communication with Students](#), available on the [Secretariat website](#).

1.1.14.6 Secure your Journey

IT policies and directives identify measures required to ensure the security and integrity of data and systems you use throughout your student journey. Find out about best practices and cybersecurity steps you can take at mcgill.ca/cybersafe.

1.1.15 Student Health & Insurance

Learn more about health insurance, your requirements as a student, and services offered for special medical needs in the following sections.

1.1.15.1 Health Professions – Immunization Requirement

A compulsory immunization program exists at McGill for students in the health science fields (including Dietetics), as well as in the School of Social Work. If you are a new student in those programs, you must complete the immunization program well before classes begin. You can find further information at mcgill.ca/wellness-hub/access-care/vaccines-immunization-reviews or by calling the Student Wellness Hub at 514-398-6017.

1.1.15.2 Health Insurance – International Students

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

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

For details on the IHI plan and information concerning rates, consult the [ISS website](#).

Students covered by private health insurance are not exempt from the McGill plan. However, you may be eligible for an *exemption* by meeting certain criteria. **Exemption requests must be made on Minerva under the International Student Health Insurance Coverage Form.** Supporting documents for your exemption request should be scanned and emailed to [ISS](#) by [certain deadlines](#), indicating in the body of the email your name, McGill ID number, and exemption request.

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

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

International Health Insurance

Telephone: 514-398-4349

Email: international.health@mcgill.ca

Website: mcgill.ca/internationalstudents/health



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

1.1.15.3 Health Insurance – Canadian Citizens and Permanent Residents

Canadians residing in Canada

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

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

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

Canadians who have been residing outside of Canada

If you are a Canadian student who has been living abroad, you may not be eligible for provincial health insurance coverage. To verify your [eligibility](#) for the Quebec provincial health plan, contact:

Régie de l'assurance maladie du Québec (RAMQ)
425 Boulevard de Maisonneuve O., Suite 301
Montreal QC H3A 3G5
Telephone: 514-864-3411
Website: www.ramq.gouv.qc.ca/en/pages/home.aspx

Important: If you are not eligible, in order to ensure adequate health insurance coverage you may enrol in the [group plan](#) offered through International Student Services for international students. **Please note that this option is available only during the first month of each new semester at McGill.**



Note for Continuing Studies: Continuing Studies students also have access to a health and dental plan offered by MACES; please refer to http://studentcare.ca/rte/en/IHaveAPlan_MACES_Home for eligibility and other information.



Note for Graduate and Postdoctoral Studies: Graduate students classed as Canadian full-time or Additional Session, Thesis Evaluation, Non-Thesis Extension, as well as postdoctoral candidates are automatically covered by their society's extended Health and Dental Plan (PGSS). Eligible students not charged automatically for insurance fees can choose to enrol themselves during the appropriate Change-of-Coverage period. For more information on what is covered by this plan, as well as enrolment, opt-out procedures, and deadlines, please refer to the latest information at studentcare.ca/rte/en/McGillUniversitygraduatestudentsPGSS_Home. Students without valid Canadian medicare, please see [section 1.1.15.2: Health Insurance – International Students](#), or the **Canadians who have been residing outside of Canada** section above.

1.1.15.4 Special Medical Needs

If you have special medical needs, please book an appointment with the Student Wellness Hub to discuss how to manage your health while at McGill. Contact information for the **Downtown campus** is available at mcgill.ca/wellness-hub/access-care/meet-professional, and for the **Macdonald campus** at mcgill.ca/wellness-hub/access-care/macdonald-campus-care.

If you anticipate encountering ongoing barriers in the academic or physical environment due to disability, injury, or illness, please consult with the [Office for Student Accessibility & Achievement](#) to determine an appropriate individualized accommodation plan. Appropriate medical documentation may be required, and can be discussed with an Access adviser. Academic accommodation planning and support is available to students at the downtown campus as well as the MacDonal campus, and to students in Continuing Studies. Please refer to mcgill.ca/osd for more information, or to book an appointment.



Note for Medicine and Health Sciences: See the WELL Office at mcgill.ca/thewelloffice.

1.1.16 Facilities

Students are expected to treat facilities and services offered at McGill respectfully and responsibly, to benefit all present and future members of the McGill community.

1.1.16.1 Proper Use of Computing Facilities

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

1.1.16.2 Non-Smoking Policy

Quebec law prohibits smoking in public buildings. Smoking on University Property is permitted only within outdoor Designated Smoking Areas. Smoking is prohibited outside any Designated Smoking Area on University Property. For more information, see mcgill.ca/ehs/policies-and-safety-committees/policies/mcgill-smoking-policy and mcgill.ca/secretariat/policies-and-regulations.



Note: For the purposes of the Tobacco Control Act, "smoking" also covers the use of an electronic cigarette or of any other device of that nature; "tobacco" also includes the following accessories: cigarette tubes, rolling paper and filters, pipes, including their components, and cigarette holders. Please consult [Chapter L-6.2 - Tobacco Control Act](#), for further information.

1.1.16.3 Policy Concerning Cannabis

McGill University has adopted a *Policy Concerning Alcohol, Cannabis and Other Drugs*. This policy applies to all McGill students, faculty, staff and visitors on the Downtown and Macdonald campuses, the Gault Nature Reserve, and spaces leased by the University. The policy only permits the consumption of cannabis for medical reasons, accompanied by a valid medical certificate, under certain conditions. However, all consumption of cannabis for recreational use is prohibited on University property.

For further details on this policy please refer to the [Policy Concerning Alcohol, Cannabis and Other Drugs](#).

1.2 Guidelines and Policies

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

1.2.1 Academic Accommodation of Pregnant Students and Students Caring for Dependents

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

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

Wishing to provide an environment in which you may be able to continue in your program of study and fulfil your university commitments, [these guidelines](#) aim to set out how, and in what exceptional circumstances, you may request academic accommodation.

1.2.2 Failure Policy

Purpose

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

Scope

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

For a failed thesis examination or doctoral oral defence, the policy on [Thesis examination failures](#) applies; for a failed comprehensive examination, the [section 1.2.10: Ph.D. Comprehensives Policy](#) applies.

Definitions

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

Failure Policy

A student will be withdrawn from the University, if he or she:

- 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); **or**
- obtains two unsatisfactory Graduate Student Research Progress Tracking Reports and the academic unit in which the student is registered recommends that he or she be withdrawn; **or**
- fails one course, obtains one unsatisfactory Graduate Student Research Progress Tracking Report and the academic unit in which the student is registered recommends that he or she be withdrawn.

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

Students in a Qualifying Year

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

Readmission

A student withdrawn according to this policy cannot apply for readmission to the program from which 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. A student may not claim medical reasons for a course failure after the fact. In the case of an examination, a dated medical certificate or appropriate document recommending a deferral (see "Other Grades" in [section 1.1.8.1: Grading and Grade Point Averages \(GPA\)](#)) > "L - deferred" and "LE or L* - further deferral") must be submitted to Graduate and Postdoctoral Studies with a recommendation from the academic unit (department) for a deferral **before or immediately after** the examination. In particular, such recommendation will not be considered if medical reasons are brought forth after a grade is submitted. Medical reasons declared after the fact will not be considered acceptable grounds of appeal of withdrawal under the [Failure Policy](#).

1.2.3 Graduate Student Research Progress Tracking

1. Research Progress Reporting for Doctoral Students

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

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

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

2. Procedures

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

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

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

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

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

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

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

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

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

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.

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

Senate, March 23, 2016.

1.2.5 Graduate Studies Reread Policy

This policy applies only in the case of marks given for written work in 600- and 700-level courses. For 500-level courses and below, the reread policy of the appropriate undergraduate faculty applies. This policy covers exams and other written work (essays/papers, assignments, and lab reports). This policy does not apply to Ph.D. comprehensive examinations. See [section 1.2.10: Ph.D. Comprehensives Policy](#) for more information.

I. Consultation

In accordance with the [Charter of Students' Rights](#) (available at www.mcgill.ca/students/srr/policies-student-rights-and-responsibilities), and subject to the conditions stated therein, graduate students have the right, subject to reasonable administrative arrangements, "to consult any written submission for which they have received a mark and to discuss this submission with the examiner." Upon request by the student, the instructor of the course is obliged to conduct this consultation with the student.



Note: Where materials have been graded by a TA and the student wants a reconsideration of the grade, the faculty member responsible for the course is expected to review the materials and the appropriateness of the grade. This is true even if the materials in question have already been discussed by the TA with the student.

II. Verification

In a case where a student feels that totalling errors have been made in arriving at the final grade, the student can request the instructor to carry out a detailed check that all questions have been marked and that the final grade has correctly been computed on the basis of the term work, final examination, etc.

III. Rereads

According to the Charter, students have the right, subject to reasonable administrative arrangements, "to an impartial and competent review of any mark" (hereafter "reread").

At the time the request for a reread is made, the student should have already met with the faculty member responsible for the course to review the mark, or made a reasonable attempt to do so.

Rereads can only be requested if a change upwards in the letter grade for the course is possible as a result of the reread. An essay/paper, assignment, or lab report must account for more than 20% of the course grade to be eligible for a reread.

The reread by a second reader is a review of the mark, not the work assigned. It is the second reader's task to determine whether the original mark is fair and reasonable, not to give the work a totally new assessment.

1. The time limit for requesting a reread is within 30 days after posting of the final marks for the course. However, in the case of work which has been graded during the course and returned to the student, students must indicate their intention to request a reread by writing to [Graduate and Postdoctoral Studies](#) within 5 working days of receiving the graded work. This intention must be confirmed within 30 days of the posting of the final marks for the course.



Note: Material that has been returned to a student **cannot be reread** unless arrangements have been made to ensure that the material has not been changed subsequent to the original grading; for example, the student can make a copy for the professor to retain either before handing the material in or immediately upon receiving it back from the instructor or at the point where the professor and student review the work together. Instructors are strongly advised to write their corrections in red pen and to write comments which help the student to understand the mark assigned.

2. The request for a formal reread must be made by the student in writing to [Graduate and Postdoctoral Studies](#) and should specify the reasons for the request. It should include a statement indicating that the student has already met with the faculty member responsible for the course to review the mark or indicating why this has not been possible. The reread fee will be charged directly to the student's fee account after the result of the reread is received; this will be reimbursed if there is an upwards change in the letter grade for the course. The reread fee amount and other details can be found on the [Student Accounts website](#).
3. a) Administration of the reread is handled by Graduate and Postdoctoral Studies, not by the department. Graduate and Postdoctoral Studies will contact the department to obtain the course syllabus, the work to be reread, a list of potential readers, and details of the marking. **The list of potential readers must be approved by the Department Chair or Graduate Program Director. The Chair or Graduate Program Director must, as well, vouch for the impartiality of these readers.** All communication with the second reader is conducted by Graduate and Postdoctoral Studies.
 - b) The second reader is given the course syllabus, the original assignment with marginalia, corrections, summary comments, and mark intact, as well as any notes from the instructor pertinent to the general nature of the course or the assignment and grading schemes, etc.

4. The student's and the instructor's names are blanked out to reduce the possibility of prejudice and to help meet the requirements of the [Charter of Students' Rights](#) (available at www.mcgill.ca/students/srr/policies-student-rights-and-responsibilities) that the review be impartial. The rereader's name will not be made known to the student or instructor at any time; the student's name will not be made known to the rereader at any time.
5. a) The second reader should support his or her assessment with a brief memorandum to Graduate and Postdoctoral Studies. As a result of the reread process, the grade may become **higher or lower or remain unchanged**. The grade submitted by the second reader shall replace the original grade. The reread grade cannot be challenged.
 b) In the case of requests for rereads of group work, all members of the group must sign the request, indicating that they agree to the reread. In the event that members of the group are not in agreement, the written request should indicate which students are requesting the reread and which students do not wish for a reread. In such cases, the outcome of the reread (whether positive or negative) will affect only the students who had previously agreed to the reread. Neither the reread grade nor the decision to opt in or out of the reread can be challenged.
6. The new grade resulting from the review will be communicated to the student in a letter from Graduate and Postdoctoral Studies, with a copy to the academic unit.

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

Approved by Council of FGSR, May 12, 1995.

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

1.2.6 Guideline on Hours of Work

In order to maintain full-time status, a graduate student should not work more than 180 hours per term over 15 weeks with 12 hours per week.

1.2.7 Language Policy

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

If you need to improve your English skills, you should take an intensive course in English as a second language before or at the start of your studies. Information concerning second language course offerings can be found through the School of Continuing Studies at mcgill.ca/continuingstudies/area-of-study/languages and the *French Language Centre* at mcgill.ca/flc, and in *Summer Studies* and *Continuing Studies*. There are special language requirements for Faculty of Education students; see [Faculty of Education](#).



Note for Continuing Studies: For English language programs, see [Continuing Studies > Areas of Study > Languages > : English Language Programs](#).



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



Note for Graduate and Postdoctoral Studies: You should refer to [University Regulations & Resources > Graduate > Regulations > Registration > section 1.1.3.6: Courses Taken as Extra to a Program](#).



Note for Health Sciences: Students studying in the Faculties of Dental Medicine and Oral Health Sciences or Medicine and Health Sciences or in the Schools of Human Nutrition, Nursing, or Physical and Occupational Therapy should consult the Health Sciences [language requirements](#) and any language policies pertaining to their specific program. Programs with a clinical component require that students have a working knowledge of both English and French.

1.2.8 Leave of Absence Status

1.2.8.1 Graduate and Postdoctoral Leave of Absence Policy

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

- maternity or parenting
- personal or family health
- professional development (graduate students only)
- required military service (graduate students only)
- employment that precludes progress toward the degree (graduate students only)

A leave must be requested on a term by term basis and may be granted for a period of up to 52 weeks.

Students and postdocs must submit a request, by completing the appropriate [web form](#), to their department along with supporting documentation justifying the leave. The department shall forward the request for approval to Enrolment Services, Management of Academic Records.

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

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

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

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

**NOTES:**

- Requests for a leave of absence due to health, familial, or parental reasons must be supported by a medical certificate.
- Requests for a leave of absence due to professional development are for activities that preclude progress toward the degree.
- A request for leave without proper justification and supporting documents will **not** be considered.
- A request for retroactive leave of absence will **not** be considered.
- No tuition fees will be charged for the duration of the authorized leave.
- A Leave of Absence may have an impact on a student's fee status once they re-enroll after their approved Leave. For more information, refer to the [Break in Enrolment](#) section on the Student Accounts webpage.
- Research supervisors are not obligated to remunerate students and postdocs on leave.
- In order to be covered by the graduate supplemental health insurance and/or international health insurance during a leave, The [Post Graduate Student Society](#) (PGSS) and/or [International Student Services](#) must be contacted to make arrangements. Additional student society fees must be paid in order to be considered as a member and to be eligible for the insurance plans. For information about the PGSS supplemental health and dental coverage, click [here](#) . For information about international health insurance, click [here](#) .
- A postdoc requesting a personal health or parental leave will extend their five-year eligibility term for registration. If granted, the leave must not exceed an eligibility window of 10 years from the date the Ph.D. degree was awarded.
- If you have concerns about disclosing your medical condition, you may contact the Associate Dean of Graduate and Postdoctoral Studies for advice before submitting your request for leave.
- For a maternity or parental leave, the eligibility period of a maximum of 52 consecutive weeks is determined based on when the child is born; if the leave is interrupted for one or two terms, the eligibility period cannot be extended.

Leave vs. Residency Requirements

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

For more information on residency requirements refer to the [section 2.5: Program Requirements](#) page, which appears under each faculty or school's graduate section.

Applying to Graduate Following a Leave

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

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

Funding Council Leave Policies for Graduate and Postdoctoral Fellowships

A summary table of various leave policies (paid or unpaid) for students and postdocs paid from the Federal and Quebec Councils through fellowships or research grants is available at [mcgill.ca/gps/funding/getting-paid](#); see information on the "Funding Council Leave Policies for Graduate Students and Postdoctoral Fellows."

Procedure for Requesting a Leave

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

- complete the *Request for a Leave* web form available at: [mcgill.ca/student-records/forms](#); and
- submit the necessary supporting documents (e.g., a medical certificate, proof of employment, proof of mandatory military service) to the graduate department.

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

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

**NOTES:**

- A medical certificate must contain at least the following items:
 - the student or postdoc's name, as well as complete contact information for the physician;
 - a clear statement by the physician justifying the student or postdoc's inability to perform their academic duties, with start and end dates; and
 - if the request is submitted during a term for which the leave is requested, a clear explanation as to why the health condition(s) in question did not prevent the normal performance of academic duties at the beginning of the term.

- Requests without supporting documentation will **not** be considered.

1.2.9 Vacation Policy for Graduate Students and Postdocs

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

Council of FGSR April 23, 1999

1.2.10 Ph.D. Comprehensives Policy

Preamble

All doctoral programs at McGill require candidates to pass a comprehensive examination, such as a qualifying examination, a preliminary examination, a candidacy paper, a comprehensive evaluation, a thesis proposal, etc. The results of this examination determine whether or not students will be permitted to continue in their programs. The methods adopted for examination and evaluation and the areas to be examined must be specified by departmental regulations and approved by Graduate and Postdoctoral Studies. It is the responsibility of the Unit to make this information widely available and for students to inform themselves of these details.

Objectives and Content

The purpose of comprehensive examinations is to determine whether the student demonstrates the necessary research skills and academic achievements to continue in the Ph.D. program. Permissible objectives may only include assessing foundational knowledge of the discipline (retrospective comprehensive) and/or ability to conduct independent and original research (prospective comprehensive). As such, comprehensive examinations must not reexamine graduate course content completed at McGill. Units must consult [GPS guidelines](#) for retrospective and prospective exams when establishing their comprehensives.

The content of the comprehensive must be consistent with the stated objectives and should be appropriately circumscribed. At least 3 months prior to the examination, students must be given an indication of the range of material that may be covered in the examination and suggestions as to how to cover this material (e.g., via reading lists, courses, etc.).

Format

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

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

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

Timing

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

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

Assessment

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

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

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

Feedback

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

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

Failures

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

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

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

Appeals

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

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](#).

1.3 Graduate Studies at a Glance

1.3.1 Graduate and Postdoctoral Degrees Offered by Faculty

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

Faculty of Agricultural and Environmental Sciences	Degrees Available
<i>section 2.12.1: Agricultural Economics</i>	M.Sc.
<i>section 2.12.2: Animal Science</i>	M.Sc., M.Sc.A., Ph.D.
<i>section 2.12.3: Bioresource Engineering</i>	M.Sc., M.Sc.A., Ph.D.
<i>section 2.12.4: Biotechnology</i>	M.Sc.A., Graduate Certificate
<i>section 2.12.5: Food Science and Agricultural Chemistry</i>	M.Sc., Ph.D.
<i>section 2.12.6: Human Nutrition</i>	M.Sc., M.Sc.A., Ph.D., Graduate Diploma
<i>section 2.12.7: Natural Resource Sciences</i>	M.Sc., Ph.D.
<i>section 2.12.8: Parasitology</i>	M.Sc., Ph.D.
<i>section 2.12.9: Plant Science</i>	M.Sc., M.Sc.A., Ph.D., Graduate Certificate
Faculty of Arts	Degrees Available
<i>section 3.12.1: Anthropology</i>	M.A., Ph.D.
<i>section 3.12.2: Art History</i>	M.A., Ph.D.
Classics – see <i>section 3.12.10: History and Classical Studies</i>	N/A
<i>section 3.12.4: Communication Studies</i>	M.A., Ph.D.
<i>section 3.12.5: East Asian Studies</i>	M.A. (<i>Ad Hoc</i>), Ph.D. (<i>Ad Hoc</i>)
<i>section 3.12.6: Economics</i>	M.A., Ph.D.
<i>section 3.12.7: English</i>	M.A., Ph.D.
<i>section 3.12.8: French Language and Literature</i>	M.A., Ph.D.
<i>section 3.12.9: Geography</i>	M.A., Ph.D.
<i>section 3.12.10: History and Classical Studies</i>	M.A., Ph.D.
<i>section 3.12.11: Information Studies</i>	M.I.St., Ph.D., Graduate Certificate
<i>section 3.12.12: International Development</i>	N/A
<i>section 3.12.13: Islamic Studies</i>	M.A., Ph.D.
<i>section 3.12.14: Jewish Studies</i>	M.A., Ph.D. (<i>Ad Hoc</i>)
<i>section 3.12.15: Languages, Literatures, and Cultures</i>	M.A., M.A. (<i>Ad Hoc</i>), Ph.D., Ph.D. (<i>Ad Hoc</i>)
<i>section 3.12.16: Linguistics</i>	M.A., Ph.D.
<i>section 3.12.17: Mathematics and Statistics</i>	M.A., Ph.D.
<i>section 3.12.18: Philosophy</i>	M.A., Ph.D.
<i>section 3.12.19: Political Science</i>	M.A., Ph.D.
<i>section 3.12.21: Public Policy</i>	M.P.P.
<i>section 3.12.20: Psychology</i>	M.A., Ph.D.
<i>section 3.12.22: Quebec Studies / Études sur le Québec</i>	N/A
<i>section 3.12.23: Religious Studies</i>	M.A., S.T.M., Ph.D.
<i>section 3.12.24: Social Studies of Medicine</i>	N/A
<i>section 3.12.25: Social Work</i>	M.Sc.A., M.S.W., M.S.W. & B.C.L./J.D., Ph.D.
<i>section 3.12.26: Sociology</i>	M.A., Ph.D.

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.
Master of Business Administration M.B.A.	An undergraduate degree from an approved university. See section 10.13: M.B.A. Program .
Master of Education M.Ed.	Bachelor's degree with specialization related to the subject chosen for graduate work, plus a Permanent Quebec Teaching Diploma or its equivalent for some of the above degrees. See appropriate department.
Master of Engineering M.Eng.	Bachelor of Engineering or equivalent, with specialization appropriate for the subject selected for graduate study. See appropriate department.
Master of Information Studies M.I.St.	At least a bachelor's degree from a recognized university. See section 3.12.11.3: Information Studies Admission Requirements and Application Procedures .
Master of Laws LL.M.	An acceptable degree in Law or equivalent qualifications. See section 9.12.1.3: Law Admission Requirements and Application Procedures .
Master of Management M.M.	See section 10.14: Master of Management Programs Admission Requirements and Application Procedures .

Degree		Prerequisites
Master of Music	M.Mus.	Bachelor of Music or Bachelor of Arts with concentration in the area selected for graduate study. Applicants to the Performance program are required to pass auditions in their speciality. See section 12.12.1: Schulich School of Music .
Master of Sacred Theology	S.T.M.	B.A. with specialization in religious studies or theology. See section 3.12.23.3: Religious Studies Admission Requirements and Application Procedures .
Master of Science	M.Sc.	Bachelor of Science in the subject selected for graduate work. See appropriate unit.
Master of Science, Applied	M.Sc.A.	A bachelor's degree in the subject selected for graduate work. See appropriate unit.
Master of Social Work	M.S.W.	Bachelor's degree in Social Work including courses in statistics and social science research methods. See section 3.12.25.3: Social Work Admission Requirements and Application Procedures .
Master of Social Work with Bachelor of Civil Law and Bachelor of Laws	M.S.W. with B.C.L./LL.B.	See section 3.12.25.3: Social Work Admission Requirements and Application Procedures .
Master of Urban Planning	M.U.P.	Bachelor's degree in any one of the following: Anthropology, Architecture, Economics, Civil Engineering, Geography, Law, Management, Political Science, Social Work, Sociology, or Urban Planning, with adequate knowledge of quantitative techniques. See section 6.12.8.3: Urban Planning Admission Requirements and Application Procedures .

1.3.2.1 Master's Degree Programs and Specializations

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

Program	Thesis/Non-Thesis	Options
Master of Architecture (M.Arch.)		
Professional	Non-Thesis	Design Studio, Design Studio – Directed Research
Post-professional	Non-Thesis	Architectural History and Theory, Urban Design and Housing
Master of Arts (M.A.)		
Anthropology	Thesis	Development Studies, Environment, Gender and Women's Studies
Art History	Thesis	Gender and Women's Studies
Classics	Thesis, Non-Thesis	N/A
Communication Studies	Thesis, Non-Thesis	Gender and Women's Studies (Thesis)
Counselling Psychology	Non-Thesis (Professional Internship), Non-Thesis (Project)	N/A
East Asian Studies	Thesis (<i>Ad Hoc</i>)	N/A
Economics	Thesis, Non-Thesis	Development Studies, Population Dynamics, Social Statistics (Non-Thesis)
Educational Psychology	Thesis	Health Professions Education, Human Development, Learning Sciences, School/Applied Child Psychology
Education and Society	Thesis, Non-Thesis	Gender and Women's Studies, Mathematics and Science Education (Thesis) Course Work, Course Work Math & Science Education, Gender and Women's Studies, Jewish Education, Project Math & Science Education (Non-Thesis)
Educational Leadership	Thesis, Non-Thesis (Coursework), Non-Thesis (Project)	Gender and Women's Studies (Thesis) Gender and Women's Studies (Non-Thesis (Project))
English	Thesis, Non-Thesis	N/A

Master of Arts (M.A.)

French Language and Literature	Thesis, Non-Thesis	Gender and Women's Studies (Thesis)
Geography	Thesis	Development Studies, Environment, Gender and Women's Studies, Neotropical Environment
German	Thesis, Non-Thesis	N/A
Hispanic Studies	Thesis, Non-Thesis	N/A
History	Thesis, Non-Thesis	Development Studies, European Studies, Gender and Women's Studies (Thesis) Development Studies, European Studies, Gender and Women's Studies
Islamic Studies	Thesis	Gender and Women's Studies
Italian	Thesis, Non-Thesis	N/A
Jewish Studies	Thesis, Non-Thesis	N/A
Kinesiology and Physical Education	Thesis, Non-Thesis	N/A
Languages, Literatures and Cultures	Thesis (<i>Ad Hoc</i>)	Digital Humanities
Linguistics	Non-Thesis	N/A
Mathematics and Statistics	Thesis, Non-Thesis	N/A
Medical Anthropology	Thesis	N/A
Music – Music Education	Thesis, Non-Thesis	N/A
Music – Music Technology	Thesis	N/A
Music – Musicology	Thesis, Non-Thesis	Gender and Women's Studies (Thesis)
Music – Theory	Thesis, Non-Thesis	Gender and Women's Studies (Thesis)
Philosophy	Thesis	Bioethics
Political Science	Thesis, Non-Thesis	Development Studies, European Studies (Thesis) Development Studies, European Studies, Gender and Women's Studies, Social Statistics (Non-Thesis)
Psychology	Thesis	N/A
Religious Studies	Thesis, Non-Thesis	Bioethics, Gender and Women's Studies (Thesis)
Russian	Thesis	N/A
Second Language Education	Thesis, Non-Thesis	Gender and Women's Studies (Thesis)
School/Applied Child Psychology	Non-Thesis	N/A
Sociology	Thesis, Non-Thesis	Development Studies, Gender and Women's Studies, Medical Sociology (Thesis) Development Studies, Gender and Women's Studies, Medical Sociology, Population Dynamics (Non-Thesis)
Teaching and Learning	Non-Thesis	English or French Second Language, English Language Arts, Mathematics, Science and Technology, Social Sciences

Master of Business Administration and Management Degrees (M.B.A., M.M.)

M.B.A.	Non-Thesis	General Management
M.B.A./Japan	Non-Thesis	Finance, General Management, Global Strategy and Leadership, Marketing, Technology and Innovation
E.M.B.A.	Non-Thesis	N/A
M.M.	Non-Thesis	Analytics, Finance, Manufacturing Management
M.M./IMHL	Non-Thesis	N/A
M.M./IMPM	Non-Thesis	N/A

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
Bioresource Engineering	Thesis, Non-Thesis	Environment (Thesis) Integrated Water Resource Management (Non-Thesis)
Biostatistics	Thesis, Non-Thesis	N/A
Cell Biology	Thesis	N/A
Chemistry	Thesis	N/A
Civil Engineering	Thesis	N/A
Communication Sciences and Disorders	Thesis	N/A
Computer Science	Thesis, Non-Thesis	Bioinformatics
Dental Sciences	Thesis, Non-Thesis	N/A
Earth and Planetary Sciences	Thesis	Environment
Electrical Engineering	Thesis	N/A
Entomology	Thesis	Environment, Neotropical Environment
Epidemiology	Thesis, Non-Thesis	Environmental & Occupational Health (Non-Thesis), Pharmacoepidemiology (Non-Thesis)
Experimental Medicine	Thesis	Bioethics, Environment
Experimental Surgery	Thesis, Non-Thesis	Global Surgery, Surgical Education, Surgical Innovation (Thesis)
Family Medicine	Thesis	Bioethics, Medical Education
Food Science and Agricultural Chemistry	Thesis, Non-Thesis	Food Safety (Non-Thesis)
Genetic Counselling	Non-Thesis	N/A
Geography	Thesis	Environment, Neotropical Environment
Human Genetics	Thesis	Bioethics, Bioinformatics
Human Nutrition	Thesis	N/A
Kinesiology and Physical Education	Thesis, Non-Thesis	N/A
Materials Engineering	Thesis	N/A
Mathematics and Statistics	Thesis, Non-Thesis	N/A
Mechanical Engineering	Thesis	N/A
Medical Radiation Physics	Thesis	N/A
Microbiology	Thesis	N/A
Microbiology and Immunology	Thesis	N/A
Mining Engineering	Thesis	N/A
Neuroscience	Thesis	N/A
Otolaryngology	Thesis	N/A
Parasitology	Thesis	N/A
Pathology	Thesis	N/A
Pharmacology	Thesis	Environmental Health Sciences
Physics	Thesis	N/A
Physiology	Thesis	Bioinformatics, Chemical Biology
Plant Science	Thesis	Bioinformatics, Environment, Neotropical Environment
Psychiatry	Thesis	N/A
Psychology	Thesis	N/A

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.)

Computer Science	Bioinformatics	Faculty of Science
Counselling Psychology	N/A	Faculty of Education
Earth and Planetary Sciences	Environment	Faculty of Science
Economics	N/A	Faculty of Arts
Educational Psychology	Human Development, Learning Sciences	Faculty of Education
Educational Studies	Gender and Women's Studies, Language Acquisition, Mathematics and Science Education	Faculty of Education
Electrical Engineering	N/A	Faculty of Engineering
English	N/A	Faculty of Arts
Entomology	Environment, Neotropical Environment	Faculty of Agricultural and Environmental Sciences
Epidemiology	Global Health, Pharmacoepidemiology, Population Dynamics	Faculty of Medicine and Health Sciences
Experimental Medicine	Environment	Faculty of Medicine and Health Sciences
Experimental Surgery	N/A	Faculty of Medicine and Health Sciences
Family Medicine	N/A	Faculty of Medicine and Health Sciences
Food Science and Agricultural Chemistry	N/A	Faculty of Agricultural and Environmental Sciences
French Language and Literature	Gender and Women's Studies	Faculty of Arts
Geography	Environment, Gender and Women's Studies, Neotropical Environment	Faculty of Arts, Faculty of Science
German	N/A	Faculty of Arts
Hispanic Studies	N/A	Faculty of Arts
History	N/A	Faculty of Arts
Human Genetics	Bioinformatics	Faculty of Medicine
Human Nutrition	N/A	Faculty of Agricultural and Environmental Sciences
Information Studies	N/A	Faculty of Arts
Islamic Studies	Gender and Women's Studies	Faculty of Arts
Kinesiology	N/A	Faculty of Education
Linguistics	Language Acquisition	Faculty of Arts
Management	Environment	Desautels Faculty of Management
Materials Engineering	N/A	Faculty of Engineering
Mathematics and Statistics	N/A	Faculty of Science
Mechanical Engineering	N/A	Faculty of Engineering
Microbiology	Bioinformatics	Faculty of Agricultural and Environmental Sciences
Microbiology and Immunology	N/A	Faculty of Medicine and Health Sciences
Mining Engineering	N/A	Faculty of Engineering
Music	Composition, Music Education, Musicology, Music Technology, Sound Recording, Theory, Gender and Women's Studies	Schulich School of Music
Neuroscience	N/A	Faculty of Medicine and Health Sciences
Nursing	N/A	Ingram School of Nursing
Occupational Health	N/A	Faculty of Medicine and Health Sciences
Parasitology	Bioinformatics	Faculty of Agricultural and Environmental Sciences
Pathology	N/A	Faculty of Medicine and Health Sciences

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	Performance Choral Conducting
Biotechnology	Post-M.B.A.
Chronic Pain Management	Post-M.B.A. Japan
Comparative Law	Professional Accounting
Digital Archives Management	Regenerative Medicine
Driving Rehabilitation	Surgical Innovation
Educational Leadership 1	Teaching English as a Second Language
Educational Leadership 2	Theory in Mental Health
Educational Leadership 3	Theory in Pediatrics
Information Architecture and Design	Theory in Primary Care
Information and Knowledge Management	Theory in Neonatology
International Leadership in Educational and Administrative Development	Translational Biomedical Engineering
Library and Information Studies	

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



Note: The School of Continuing Studies also offers graduate diplomas and graduate certificates that are not under the academic supervision of Graduate and Postdoctoral Studies. To see a list of programs offered, refer to [Continuing Studies > Getting Started > Admission Requirements > Programs of Study](#).

1.4 Graduate Admissions and Application Procedures

Website: mcgill.ca/gradapplicants

Contact: mcgill.ca/gradapplicants/contact-us



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

1.4.1 Application for Admission

Application information and the online application form are available at mcgill.ca/gradapplicants/how-apply. A **non-refundable** fee paid by credit card in Canadian funds **must** accompany the online application. The fee covers up to two program choices per term. Candidates for Special, Visiting, and Qualifying status must also apply online and pay the application fee. Please note that application fees and other charges are listed on the [Student Accounts website](#).

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

Transcripts. Applicants must themselves upload an unofficial copy of their complete academic record from each university-level institution attended to date. **Transcripts written in a language other than English or French must be accompanied by a translation prepared by a licensed translator or by their institution.** An explanation of the grading system used by the applicant's university is essential. Admitted applicants will be required to send, or ask the appropriate university authorities to send, an official or certified copy of their complete, final academic record from each university-level institution attended to date. McGill graduates are not required to submit McGill transcripts. See mcgill.ca/gradapplicants/how-apply/submit-your-application/submit for instructions on uploading or mailing official documents to McGill. Please note that all documents submitted to McGill University in support of an application to be admitted, including, but not limited to, transcripts, diplomas, letters of reference, and test scores, become the property of McGill University and will not be returned to the applicant or issuing institution under any circumstance.

Applications and uploaded supporting documents must be submitted according to individual academic unit specifications and deadlines; see mcgill.ca/gradapplicants/programs. Many programs have rolling admissions, evaluating applications as they are submitted and making early admissions offers. International students are advised to apply well in advance of the application deadlines as immigration procedures may be lengthy.

The admission decision is based on the recommendation of the graduate academic unit. Depending on the academic level and strength of the application, and any special circumstances, the application may be verified by the Graduate Admissions Unit in Enrolment Services and/or reviewed by the Graduate Admissions Committee. All offers of admission have the approval of Graduate and Postdoctoral Studies, and are sent to applicants electronically by Enrolment Services.

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

See mcgill.ca/gradapplicants/how-apply/application-steps/equivalency for information on grade equivalencies and degree requirements from countries around the world. These equivalencies and requirements are provided for information only and are subject to change without notice.

1.4.3 Application Procedures

Application Checklist

All application documents and required supplemental materials must be uploaded directly to the online application system, uApply. See mcgill.ca/gradapplicants/how-apply/submit-your-application for information and instructions.

- 1. Online Application for Admission form:** mcgill.ca/gradapplicants/apply-now.
- 2. Application fee:** non-refundable Canadian funds payable by credit card cover up to two program choices per term. Some programs may charge additional fees. If applicable, these will be automatically charged when you submit the application form. Please note that application fees and other charges are listed on the [Student Accounts website](#).
- 3. Transcripts:** a complete record of study from each university-level institution attended to date. Uploaded copies are considered unofficial; final, official copies will be required of admitted applicants.
- 4. Reference letters:** on the application form you must provide the names and email addresses of at least two professors who are familiar with your academic work. McGill will contact these referees by email, and invite them to upload references on your behalf. N.B. some academic units require more than two referees.
- 5. TOEFL, IELTS, GRE, GMAT, CASPer or other test results:** when registering for the test, please ensure that you request that results be sent directly to McGill University. McGill will then receive the results electronically, directly from the testing agency.

For detailed information regarding additional documents that may be required by certain academic units, please consult *Admission Requirements and Application Procedures* for each unit at mcgill.ca/gradapplicants/programs.

1.4.3.1 Document Checklist Terms

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

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

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

GMAT: Graduate Management Aptitude Test (see [section 1.4.4: Admission Tests](#) below)

GRE: Graduate Records Examination (see [section 1.4.4: Admission Tests](#) below)

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

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

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

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

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

TOEFL: Test of English as a Foreign Language (see [section 1.4.5: Competency in English](#) below).

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

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

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 degree from a recognised foreign institution where English is the language of instruction.
4. Has lived and attended university, or been employed, for at least four consecutive years, in a country where English is the acknowledged primary language.

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

1. **TOEFL** (Test of English as a Foreign Language): minimum acceptable scores are: **iBT (Internet-based test)**: 86 overall, and no less than 20 in each of the four component scores.



Note: an institutional version of the TOEFL is not acceptable.

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

In each case, applicants must ensure that official test results are sent to McGill directly by the testing service. Applications cannot be considered if test results are not available. These scores are general minima; some academic units may set higher requirements.

Revised – March 2021

1.4.6 Admission to a Qualifying Program

Some applicants whose degree and academic standing make them very good candidates for admission to graduate studies, but who are considered inadequately prepared in the subject selected, may be admitted to a Qualifying program for a master's. The undergraduate-level courses to be taken in a Qualifying program will be prescribed by the academic unit concerned.

Qualifying students are registered in graduate studies, **but not as candidates for a degree**. Only one Qualifying year (i.e., two full-time terms) is permitted.

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

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

Students who are ineligible for a Qualifying program may apply to the appropriate undergraduate faculty for admission as regular or Special Students, and seek admission to graduate studies at a later date. The normal admission requirements must be met and the usual procedures followed.

1.4.7 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. Under no circumstances are Special students eligible to obtain a degree.

1.4.7.1 Admission to a Second Degree Program

A candidate with a given higher degree may apply for admission to a second degree program at the same level but **in a different subject**. The normal admission requirements must be met and all the usual procedures followed.

1.4.8 Admission to Two Degree Programs

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

1.4.9 Admission of Former Students

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

1.4.10 Deferral of Admission

Under exceptional circumstances, an admission for a particular semester can be considered for a deferral. Normally, the deferral period granted will not exceed one academic year (two terms). This can be considered only if the student has not registered. If the student has already registered, no deferral can be granted. The student must withdraw from the University and apply for admission to a later term.

Requests for deferral of admission are submitted on uApply. Any inquiries should be addressed directly to the academic unit.

1.5 Fellowships, Awards, and Assistantships

Graduate and Postdoctoral Studies
 Graduate Funding
 James Administration Building, Room 400
 845 Sherbrooke Street West
 Montreal QC H3A 0G4
 Email: graduatefunding.gps@mcgill.ca
 Website: mcgill.ca/gps/funding

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

Funding packages for graduate students can include different sources of funding, such as internal fellowships/awards and stipends from professors' research grants. Most internal fellowships/awards are awarded on the basis of the application for admission, upon nomination by academic units. Stipends from professors' research grants are handled by individual academic units at McGill. Please contact the proposed academic units directly for further information. Internal Fellowships that are awarded by competition (Tomlinson Doctoral Fellowships, Stavros Niarchos, etc.) can be found on the [Graduate Funding website](#).

Graduate Funding also provides support and runs certain competitions for funding from external agencies. Refer to the [Graduate Funding website](#) for more information.

Research assistantships and teaching assistantships are considered employment and are also handled by individual academic units at McGill. All assistantship inquiries should be directed to units.

Graduate and Postdoctoral Studies holds funding agreements with some international agencies to fund graduate degrees at McGill for eligible international students. These sponsorships opportunities can be found on the Graduate Funding website: mcgill.ca/gps/funding/international. A small number of citizens from countries whose governments have entered into agreements on tuition fees with Quebec may be exempted from the supplemental tuition fees normally required of international students. Availability varies for such exemptions from year to year; refer to www.quebec.ca/en/education/study-quebec/financial-assistance-international-students/exemptions-tuition-fees-under-international-agreements, and contact

your local government to find out if an agreement with Quebec is in effect. The list of organisations in charge of applications can be accessed from this website.

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

1.6 Research Policy and Guidelines

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

1.6.1 Regulation on the Conduct of Research

Please refer to the Regulation on the Conduct of Research available at mcgill.ca/secretariat/policies-and-regulations.

1.6.2 Regulations Concerning the Investigation of Research Misconduct

Please refer to the Regulations Concerning the Investigation of Research Misconduct available at mcgill.ca/secretariat/policies-and-regulations. Consult also mcgill.ca/research/about/integrity for more information about research integrity.

1.6.3 Requirements for Research Involving Human Subjects

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

1.6.4 Guidelines for Research with Animal Subjects

Please refer to the Policy on the Study and Care of Animals available at mcgill.ca/secretariat/policies-and-regulations. For more information on research with animal subjects, consult also mcgill.ca/research/animal.

1.6.5 Policy on Intellectual Property

Please refer to the Policy on Intellectual Property available at mcgill.ca/research/researchers/ip.

1.6.6 Regulations Governing Conflicts of Interest

Please refer to the regulations governing conflicts of interest available at mcgill.ca/secretariat/policies-and-regulations.

Also consult mcgill.ca/gps/students/policies-and-guidelines/guidelines-disclosing-conflict-interest regarding Guidelines for disclosing a Conflict of Interest when graduate students or postdoctoral trainees are involved.

1.6.7 Safety in Field Work

Please refer to the policies on safety in field work available at mcgill.ca/ehs/policies-and-safety-committees/policies/field-work-safety.

1.6.8 Office of Sponsored Research

Please refer to the Office of Sponsored Research, available at mcgill.ca/research/researchers.

1.6.9 Postdoctoral Fellows

Please see mcgill.ca/gps/postdocs.

1.7 Student Services and Information

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

1.7.1 Service Point

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

Some of the many services offered at Service Point for undergraduate and graduate students:

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

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

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

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

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

1.7.1.1 Location

3415 McTavish Street (corner Sherbrooke)
 Montreal QC H3A 0C8
 Telephone: 514-398-7878
 Opening hours: please refer to mcgill.ca/servicepoint
 Email: please refer to mcgill.ca/servicepoint/contact-us

1.7.2 Student Rights and Responsibilities

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

Further details regarding your rights and responsibilities are also available at mcgill.ca/secretariat/policies-and-regulations.

1.7.2.1 Support for Students: Office of the Dean of Students

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

William and Mary Brown Student Services Building
 3600 McTavish Street, Suite 2100
 Montreal QC H3A 0G3

For information, contact (Dean/Associate Dean):

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

1.7.2.2 Office of the Executive Director, Services for Students

William and Mary Brown Student Services Building

3600 McTavish Street, Suite 4100
Montreal QC H3A 0G3

For information, contact:

Telephone: 514-398-8238

Website: mcgill.ca/student-services

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

1.7.3 Student Services – Downtown Campus

Unless otherwise indicated, all **Student Services** on the Downtown campus are located in the William and Mary Brown Student Services Building:

Brown Student Services Building, Suite 4100

3600 McTavish Street

Montreal QC H3A 0G3

Email: student.services@mcgill.ca

General Information: 514-398-8238

Website: mcgill.ca/student-services

A list of services available is given below. For further information, see the [Student Services website](#). This list also includes services offered by McGill offices external to the Student Services office.

- [section 1.7.3.1: Campus Life & Engagement \(CL&E\)](#)
- [section 1.7.3.2: Career Planning Service \(CaPS\)](#)
- [section 1.7.3.3: First Peoples' House](#)
- [section 1.7.3.4: International Student Services \(ISS\)](#)
- [section 1.7.3.5: Office of Religious and Spiritual Life \(MORSL\)](#)
- [section 1.7.3.6: Office for Sexual Violence Response, Support, and Education](#)
- [section 1.7.3.7: Office for Student Accessibility & Achievement](#)
- [section 1.7.3.8: Office of Sustainability](#)
- [section 1.7.3.9: Scholarships and Student Aid Office](#)
- [section 1.7.3.10: Student Wellness Hub](#)
- [section 1.7.3.11: Tutorial Services](#)

1.7.3.1 Campus Life & Engagement (CL&E)

Supports all students, new and returning, and connects them to resources and opportunities that will enhance their student experience.

Brown Student Services Building

3600 McTavish Street, Suite 4100

Telephone: 514-398-6913

Email: cle@mcgill.ca

Website: mcgill.ca/cle

First-year students:

Email: firstyear@mcgill.ca

Website: mcgill.ca/firstyear

1.7.3.2 Career Planning Service (CaPS)

Provides career education, industry events, advising, mentoring, workshops and a comprehensive job posting system (myFuture) to help you find permanent/part-time/summer jobs and internships, explore your career or graduate education options, and build your network.

Brown Student Services Building, East Wing, Suite 2200

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

Telephone: 514-398-3304

Email: careers.caps@mcgill.ca

Website: mcgill.ca/caps

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
 Service also available at Macdonald Campus, in Centennial Centre, Room 124. Please mention campus location when booking your appointment.
 Telephone: 514-398-4349
 Email: international.students@mcgill.ca
 International Health Insurance Email: international.health@mcgill.ca
 Website: mcgill.ca/internationalstudents

1.7.3.5 Office of Religious and Spiritual Life (MORSL)

Connects students from various religious backgrounds with their on-campus communities and faith liaisons. Provides students with space and resources to explore spirituality, and educates students on how to thrive in a pluralistic society.

3610 McTavish Street, 3rd floor, Room 36-2
 Telephone: 514-398-4104
 Email: morsl@mcgill.ca
 Website: mcgill.ca/morsl

1.7.3.6 Office for Sexual Violence Response, Support, and Education

Confidential, non-judgmental, and non-directional support for students, faculty, and staff of all genders impacted by sexual and gender-based violence. Services offered in both French and English.

550 Sherbrooke W., Suite 585 (West Tower)
 Telephone: 514-398-3786; 514-398-4486
 Email: svoffice@mcgill.ca
 Website: mcgill.ca/osvrse

1.7.3.7 Office for Student Accessibility & Achievement

The Office for Student Accessibility & Achievement provides learning assessment, support services, and reasonable accommodations to **undergraduate, graduate, and postdoctoral** students with documented disabilities, mental health issues, chronic illnesses, or other impairments, whether they be temporary, permanent, or episodic.

Main Office - Downtown
 1010 Sherbrooke St. W., Suite 410
 Service also available at Macdonald Campus, in Centennial Centre, Room 124. Please mention campus location when booking your appointment.
 Telephone: 514-398-6009
 Email: disabilities.students@mcgill.ca

Exam Centre
 Redpath Library Building, 3459 McTavish St., Suite RS-56
 Telephone: 514-398-2480
 Email: exams.osd@mcgill.ca
 Website: mcgill.ca/osd

Macdonald Campus
 Centennial Centre, Room 124
 Telephone: 514-398-7992

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)

Offers support to international students; orientation and transition programs, and immigration and health insurance information. Appointments can be arranged with an Immigration Advisor at Macdonald Campus.

Telephone: 514-398-4349
 Website: mcgill.ca/internationalstudents

1.7.4.3 Office for Student Accessibility & Achievement

The Office for Student Accessibility & Achievement provides learning assessment, support services, and reasonable accommodations to undergraduate, graduate, and postdoctoral students with documented disabilities, mental health issues, chronic illnesses, or other impairments, whether they be temporary, permanent, or episodic.

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

Macdonald Campus
 Telephone: 514-398-7992 (Mac)
 Website: mcgill.ca/osd

Main Office - Downtown
 1010 Sherbrooke St. W., Suite 410
 Telephone: 514-398-6009
 Email: disabilities.students@mcgill.ca

1.7.4.4 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, local wellness advisors, dietitians, psychiatrists (by referral only), sexologists, and lab technicians, as well as information, support, and programming through the Healthy Living Annex.

Macdonald Campus Clinic
 Centennial Centre, room 124
 Telephone: 514-398-6017
 Website: mcgill.ca/wellness-hub

Downtown Campus
 Brown Student Services Building, 3rd floor
 Telephone: 514-398-6017
 Email: hub.clinic@mcgill.ca
 Website: mcgill.ca/wellness-hub/

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
- Honouring our rich history and strong residence tradition

1.7.5.1 Graduate Housing – Downtown

Student Housing and Dining Service Centre

University Hall

3473 University Street

Montreal QC H3A 2A8

Telephone: 514-398-6368

Email: housing.residences@mcgill.ca

Website: mcgill.ca/shhs

McGill University offers two main types of housing for graduate students: single-occupancy apartments and single bedrooms in houses with shared facilities. No family housing is available. Only a limited number of graduate spaces are available. Out of 160 spaces, approximately 70 become vacant annually. Availability is on a first-come, first-served basis, and you must be admitted or recommended for admission to be considered. To apply, indicate “Yes” in the housing request area of your McGill application and check Minerva for updates in your housing status. For more information, consult the Student Housing and Dining Service Centre's [website](#).

Move-in weekend is **August 20 and 21, 2022**, and the lease term is from **September 1, 2022 to July 31, 2023**.

1.7.5.1.1 Single-Occupancy Apartments

Graduate housing includes a seven-story apartment block and three small apartment buildings. All are located within a short walking distance of the main campus.

Each apartment has its own bathroom and kitchen with refrigerator, stove, dining table, and chairs. Other furnishings include: a single-sized bed and mattress, desk and study chair, dresser, bookshelf, night table, and vertical blinds (furnishings may vary depending on room size). Electricity, hot water, heating, and Internet are included in the rent.

1.7.5.1.2 Shared-Facilities Housing

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

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

1.7.5.2 University Residences – Macdonald Campus

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

Residence life is an integral part of Macdonald Campus activities.

- **Laird Hall**, with a capacity of 250 students, is a co-ed residence that provides accommodation for undergraduate, graduate, and Farm Management Technology students. Residents enjoy comfortable rooms, modern kitchens, cozy lounge facilities, and other amenities that help make their residence life a complete and meaningful part of their university experience. Included in the room rent is high-speed Internet service.
- The **EcoResidence** accommodates 100 students. This residence will appeal to students who enjoy independent living in self-contained fully furnished apartments of two or six single-bedroom units. Units are split-level with large, airy, common living areas.

1.7.5.2.1 Residence Fees – Macdonald Campus

Residence fees are paid separately from tuition, in accordance with regulations of the Fee Payment Option selected at the time of signing a Residence Lease.

At time of publishing, all fees for the new academic year were not available. Prices for the previous year are displayed below for your guidance, however, we recommend consulting the fee sheet will be available on the Macdonald residence website at <http://www.mcgill.ca/students/housing/fees-applying/mac-fees/mcgill.ca/students/housing/fees-applying/mac-fees> for the most up to date pricing.

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

1.7.5.2.1.1 Laird Hall

A co-ed residence that provides accommodation for undergraduate, graduate, and Farm Management Technology students.

Laird Hall	Rent will be charged in 8 equal monthly installments of:	oneCard Fees	Activity Fees	Annual Fees (2021-2022 amounts)
Single Room	\$557	\$150	\$30	\$4,636
Double Room	\$507	\$150	\$30	\$4,236
Renovated Single Room	\$580	\$150	\$30	\$4,820
Renovated Double Room	\$528	\$150	\$30	\$4,332
Single with Bathroom	\$590	\$150	\$30	\$4,900
Double with Bathroom	\$539	\$150	\$30	\$4,492
Graduate Room	\$590	\$150	\$30	\$4,900

1.7.5.2.1.2 EcoResidence

Each EcoResidence unit is a self-contained, fully furnished apartment with two or six single-bedrooms, and large, open common living areas.

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 - 12 month	\$591	\$150	\$30	\$7,272

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 available for loan or rent.

McGill Sports Complex

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 volleyball court
- large expanses of green space
- Mac Paddle Shack

Students can participate in instructional, recreational, intramural, and intercollegiate activities. There are nominal fees for intramurals and fitness courses. Sporting equipment (x-country skis, snowshoes, stand up paddle boards, kayaks, canoes, Frisbees, balls, etc.) is available for loan or rent.

Athletics offices are located in the Stewart Athletic Complex, just west of the Centennial Centre.

Stewart Athletic Complex
 Telephone: 514-398-7789
 Website: macdonaldcampusathletics.ca
 Facebook: www.facebook.com/Mac-Athletics-and-Recreation-559732057427796/?fref=ts

1.7.7 Ombudsperson for Students

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

The mandate of the Ombudsperson for Students at McGill University is to intervene at any point and attempt to resolve issues informally before proceeding to more formal processes. To consult the mandate, visit the website of the Office of the Ombudsperson for Students.

Office of the Ombudsperson
 3610 McTavish
 Main Floor, Suite 14
 Email: ombudsperson@mcgill.ca
 Website: mcgill.ca/ombudsperson

1.7.8 Extra-Curricular and Co-Curricular Activities

Student associations and University units at McGill host over **300** activities, clubs, and services that students may join. These include:

- Athletics and recreation sports clubs
- Charity and Environmental clubs
- Community Outreach and Colunteering clubs
- Fine Art, Dance, and Performance clubs
- Health and Wellness clubs
- Languages and Publications clubs
- Leisure Activity and Hobby clubs
- Networking and Leadership Development clubs
- Political and Social Activism clubs
- Religion and Cultural clubs

An overview of extra-curricular activities at McGill is available on Campus Life & 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 varies seasonally and depending on university and public health guidelines; please refer to each building's website for more information.

1.7.9 Bookstore

1.7.9.1 Downtown Campus

The *Le James* – McGill Bookstore sells a full range of books for the academic and professional community, stationery supplies, McGill clothing, and gift items. Visit the *Le James* website to sign up for the newsletter so you are the first to know about services, promotions, store hours, and so much more. The *Le James* [online store](#) is open year-round, and you can shop 24/7 from the comfort of your home.

Main Store:

680 Sherbrooke Street West

Website: [lejames.ca](#)

1.7.9.2 Macdonald Campus

Located on the main floor of the Centennial Centre, the Mac Campus Bookstore carries textbooks and course materials for Macdonald Campus classes. McGill and Macdonald clothing and insignia items are also available. Shop online 24/7 at [lejames.ca](#).

Mac Campus Bookstore

Macdonald Campus Centennial Centre

2111 Lakeshore Road, Sainte-Anne-de-Bellevue

Website: [lejames.ca](#)

1.7.9.3 Institutional Sales Department

The Institutional Sales Department (formerly the McGill Computer Store; MCS) is dedicated to the support and success of the McGill community. We are committed to the mission of Ancillary Services to provide efficient and quality assistance to McGill staff and departments, as well as the affiliated teaching hospitals of the MUHC.

Contact the Sales Team at is.bookstore@mcgill.ca with your enquiry or list of products.

Institutional Sales

Website: [lejames.ca/institutional](#)

1.7.10 Day Care

The McGill Childcare Centre (CPE McGill) is an independently run centre that can accommodate 110 children, ranging in age from four months to five years. Applications are to be submitted at www.laplace0-5.com; early application is required as placement is limited.

The Centre is located at:

3491 Peel Street

Montreal QC H3A 1W7

Telephone: 514-398-6943

Website: mcgill.ca/daycare

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

The Centre is located at:

1 Maple Avenue

Ste.-Anne-de-Bellevue QC H9X 2E3
Telephone: 514-398-7951

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 or contact *Service Point*.

1.8.3.3 Tuition Assistance for McGill Staff

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

1.8.3.4 Staff Dependent Waivers

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

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

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

1.8.4 Documentation

For more information on documentation, see [University Regulations & Resources > Graduate > Regulations > section 1.1.12.1: Why Does McGill Collect Legal Documents from You?](#).

1.8.5 Compulsory Fees

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

1.8.5.1 Student Services Fees

Student Services fees are governed by the Senate Committee on the Coordination of Student Services, a parity committee composed equally of students and University staff. Through the Office of the Executive Director, Services for Students, services, promoting student success and well-being, are available on the Downtown and Macdonald campuses to help students achieve greater academic, physical, and social well-being.

These fees are complemented by revenue from the Quebec government, the University, and the generosity of donors. They support: the Student Wellness Hub, Counselling and Tutorial Services; the Office of Religious and Spiritual Life; Career Planning Service (CaPS); Scholarships and Student Aid; International

Student Services; the Office for Student Accessibility & Achievement; Campus Life & 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.

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

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

For further information about administrative charges, see mcgill.ca/student-accounts/tuition-fees/non-tuition-charges/society-services-and-administrative-fees.

1.8.7 Other Fees

For the current year's non-tuition charges, please refer to mcgill.ca/student-accounts/tuition-fees/non-tuition-charges.

1.8.8 Fees and Withdrawal from the University

If you decide not to attend the term(s) in which you are registered, you must officially withdraw from the University in accordance with [section 1.1.5: University Withdrawal](#). **Otherwise, you are liable for all applicable tuition and other fees.**

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

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

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

1.8.8.1 Fee Refund Deadlines

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



Note for Graduate and Postdoctoral Studies: Generally, there are no refunds for tuition and fees charged for a Summer term course from which you have withdrawn. For newly admitted graduate students who have withdrawn from a Summer Term of Residence, see [University Regulations & Resources](#) > Graduate > Regulations > Registration > [section 1.1.3.3: Summer Registration](#) for information about a potential fee refund.

1.8.8.1.1 Fall Term – up to and including September 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).

1.8.8.2 Refund Procedures

You are not automatically refunded your credit balance as many students choose to keep the balance on account for use for a future term. You may request a refund if you have a credit balance of over \$2.00. Students with awards may be subject to a waiting period for their refund until the end of course add/drop, as most awards require full-time registration. For directions on requesting your refund online in Minerva, see mcgill.ca/student-accounts/your-account/requesting-refund.



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

1.8.9 Other Policies Related to Fees

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

1.8.9.1 Overdue Accounts

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

Students' accounts are considered delinquent if they are not paid in full within 60 days after the bill is issued. McGill places a financial hold on these accounts, preventing students from obtaining official academic transcripts and from accessing Minerva for any registration functions. In the event that a student's account has a hold preventing registration or the release of transcripts, the University may require a guaranteed form of payment, for instance, a certified cheque or money order. Certain financial holds prevent the release of diplomas.

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



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

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

1.8.9.1.1 Information for Registered Students

If you register for a term but still owe amounts from previous terms, you must either pay your previous term account balance or make payment arrangements with the Student Accounts Office before the end of the course add/drop period. If you have financial difficulty, first contact the **Student Aid Office** to discuss the possibility of obtaining financial aid:

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

Telephone: 514-398-6013
Email: student.aid@mcgill.ca
Website: mcgill.ca/studentaid

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

1.8.9.1.2 Information for Students Who Are No Longer Registered

When students fail to settle their debt or reach a suitable payment arrangement, or fail to provide the Student Accounts Office with up-to-date contact information, the University refers these delinquent accounts to a collection agency. **If neither the University nor the collection agency is able to collect on the account, the University reserves the right to have the student reported to a credit 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 academic permission to pursue their studies. If it is subsequently determined that your academic standing does not permit you to continue, all fees paid in advance will be refunded.

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

1.8.9.3 Deferred Admission

Students who defer their admission to the University will be subject to the tuition rates that are in effect for the term in which they are starting and not the term in which they were originally admitted. This is of interest to International students in particular programs where tuition rates have been guaranteed for the duration of their program as long as there is no break in enrolment.

1.8.9.4 Fees for Students in Two Programs

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

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

1.8.9.5 Students Taking Courses Extra to Their Program

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

Please refer to the “Extra Courses” policy found at mcgill.ca/student-accounts/tuition-fees/general-tuition-and-fees-information/grad-studies-information.

1.8.9.6 Senior Citizens

Financial aid is available for students in need who are aged 65 or over and who are enrolled in full-time degree programs. Contact the [Scholarships and Student Aid Office](#) for more information at 514-398-6013.

1.8.9.7 Quebec Inter-University Transfer Agreements

If you are taking courses as part of the Quebec Inter-University Transfer (IUT) agreement, you are required to pay the fees at your home university; see [section 1.1.2.13: Quebec Inter-University Transfer Agreement](#). The agreement covers only the transfer of academic credits.

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

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

1.8.10 Sponsorships/Funding/Fee Deferrals

1.8.10.1 Students with Sponsors

If your fees will be paid by an outside agency such as the Department of Veterans Affairs, CIDA, or a foreign government, you must have written proof of this sponsorship. Your sponsor must confirm the conditions of their sponsorship in writing on company letterhead to the University. This allows the University to initiate a contract with your sponsor and effect the payment to your fee account. You need to notify the University at least one month before the beginning

of the term in which the contract takes effect. For more information and the required forms, see mcgill.ca/student-accounts/parents-and-sponsors/third-party-sponsorship.

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

1.8.10.2 Students Receiving McGill Funding

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

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

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

1.8.10.3 External Scholarships

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

Students may need an anticipated scholarship to reduce their balance owing for a given term. If so, email student.accounts@mcgill.ca with "**External Scholarships**" in the subject line, at least one week before the fee deadline as stated on the e-bill, and indicate the amount, currency (Canadian or US dollars) and agency or company issuing the scholarship. A fee deferral for the expected amount will reduce the amount owed. The deferral will expire by the end of September for the Fall term or January for the Winter term. Interest will be assessed at the prevailing rate on outstanding amounts beyond the deferral deadline.

1.8.10.4 Tuition and Fees – Payment Deferral

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

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

The *Minerva* application for deferral of tuition fees form is available in mid-July for the Fall term (mid-December for the Winter and early April for the Summer). Students who apply up to the fee deadline can be assured that the deferral will be in effect prior to interest being charged on their account.



Note: Students who apply late may not request cancellation of interest.

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

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

1.8.11 Tax Slips/Receipts

T4A, Relevé 1, T2202, and Relevé 8 slips are issued on *minerva* under the *Student Accounts Menu* by the end of February each year. Note that a Quebec permanent code, a social insurance number, and a valid mailing address are required to be transmitted to *Revenu Québec* by the University as part of its tax reporting for both the Relevé 1 and the Relevé 8 slips; therefore, it is highly recommended that if you expect to be completing a Quebec income tax return, you provide this information to the University upon registration. More information on these slips is available at mcgill.ca/student-accounts/your-account/tax-information.

1.8.12 Yearly Fees and Charges

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

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

Students who have completed the residency requirements for their program but have not yet completed the program requirements are required to be registered in a supplementary term until graduation. Where a student is in a thesis program, this is called “Additional Session” and fees will be charged each term that they are registered, including the Summer. Students required to register in a Thesis Evaluation term upon initial submission of the thesis will be charged only society and administrative fees in each term that they must be registered. Where a student is in a non-thesis program, this is called “Non-Thesis Extension” and fees will be charged in each term that they are registered. Please refer to *Program Requirements* > [section 1.1.7.1: Master's Degrees](#) and [section 1.1.7.2: Doctoral Degrees](#), found in the *Graduate* section of each faculty and school.

In the Summer term, students with a status of “Continuing” in a thesis program are not charged tuition fees, unless they are enrolled in courses which are considered extra to their program. Students in a non-thesis program taking courses in the Summer will be charged tuition and ancillary fees on a per credit basis.

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



Note: Please consult the [Student Accounts website](#) for the current fees payable by graduate-level students.

1.9 Information Technology (IT) Services

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

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

1.9.1 IT Support

McGill's IT Support site at mcgill.ca/itsupport is your one-stop shop for information and support on using IT services including email, Microsoft 365 tools, Wi-Fi, VPN, and more. Search the IT Knowledge Base for instructional articles, report issues, make requests for services, text with support agents, view announcements and system status, and follow up on your support tickets all from one convenient location.

1.9.2 Communication and Collaboration

McGill offers communication and collaboration tools that work together to support and enhance your educational experience.

Email

All students are assigned a McGill email address (usually in the form of *firstname.lastname@mail.mcgill.ca*) and given a McGill email mailbox. Please refer to [section 1.1.14.5: Email Communication](#) for further information on email services.

MS Teams

[Microsoft Teams](#) is the recommended application for conducting virtual meetings, audio and video calls, text messaging, and filesharing among McGill students, faculty, and staff members.

OneDrive

Students are given 1 Terabyte of free [file storage space](#) on the Microsoft 365 cloud where you can store and share documents.

Microsoft Office and 365 apps

As a student you can download and install the entire [Microsoft Office ProPlus](#) suite (Word, Excel, PowerPoint, OneNote etc.) to your personal devices, and sync your files with the online versions in OneDrive.

Other Microsoft 365 apps include Forms (surveys and data collection), Sway (interactive online presentations), Stream (video streaming platform), SharePoint Online, and more. Find out about all the Microsoft 365 apps at mcgill.ca/it/explore-services/o365.



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

1.9.3 Online Course Materials and Lecture Recordings

Sign in to [myCourses](#) for your online assignments, reading materials & syllabus. Many course lectures are recorded for streaming playback on demand.

[Zoom](#) is the cloud-based tool used for attending remote classes when on-campus classes are not available.

See the [Teaching & Learning Services website](#) for more information.

1.9.4 Minerva

Minerva is McGill's web-based information system serving applicants, students, staff, and faculty. To access Minerva, go to mcgill.ca/minerva and log in with your McGill username and password or with your McGill ID and Minerva PIN. Once logged in, you can:

- Apply to McGill and view your application status
- View class schedules, including course descriptions and spaces available in course sections
- Register and make course changes
- Change your major or minor program (not all faculties)
- View your unofficial transcript and degree evaluation reports
- View your McGill Username, used to access computers on campus, WiFi, Email, Office 365, campus printing, and more
- View your Permanent Code, citizenship, and Quebec residency status and fee information
- Update personal information such as address, telephone number, and emergency contacts
- Update your preferred first name
- Submit an online course evaluation
- Submit an application to participate in an exchange program (not all faculties)
- Apply to graduate
- View graduation status and convocation details
- Order official transcripts
- Retrieve tax receipts
- Official documentation to order a reduced-fare STM Opus card

For information on accessing Minerva, visit mcgill.ca/itsupport/minerva-students.

1.9.5 Secure Your Journey

McGill IT Services wants to ensure students have a safe and secure journey from the moment you apply to the university to graduation, and beyond. Our new Secure Your Journey website contains tips on:

- Starting your McGill journey safely with strong passwords and 2-factor authentication (2FA);
- Learning securely;
- Staying vigilant against cyber threats such as phishing.

Visit mcgill.ca/cybersafe for tools and resources to secure your student journey at McGill.

1.10 Resources for Study and Research

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

1.10.1 Libraries

The McGill Library system provides access to [over 9 million items](#), both in print and electronic formats, and consists of multiple branches, the McGill University Archives, and the McGill University Visual Arts Collection. Visit mcgill.ca/library/branches for a map of all our locations, and bring your McGill ID card if you wish to borrow physical items from Library collections. Access to our electronic resources (e-books, e-journals, databases, etc.) is possible anytime and anywhere. You will be prompted to enter your McGill username and password when accessing our e-resources from off campus.

The Library's website (mcgill.ca/library) is the portal to all our resources and services for your learning and research needs. There are thousands of [databases available](#) that you can choose from when doing a search on any topic. Librarians have created subject guides for each area of study at McGill. Each guide pulls together all the relevant resources for doing research in that field. Find your [subject guide](#) to get started. In addition, unique scholarly materials from the [Rare Books and Special Collections have been digitized](#) and are accessible through the library's website. Our website also provides access to items such as [newspapers](#) and [McGill theses](#).

Friendly staff in each branch library can help you locate the information you need. Students have [liaison librarians](#) for their departments. Liaison librarians provide [workshops](#) on finding, organizing, and citing information, visit your classes to provide instruction on doing research for course assignments, and are available to assist you with your questions, whether in person, on the phone, by email, or via online chat.

Most libraries are open up to 90 hours per week, and several branch libraries extend [opening hours](#) during exam periods. The Library offers a variety of comfortable and attractive spaces, such as individual quiet study areas and group study rooms that can be [booked](#) for use. Wireless access is available

throughout the library, as are hundreds of computers, and all libraries have printing, scanning, and copying machines. 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.

The McGill Writing Centre (MWC) offers credit courses in academic, creative and professional writing that may be taken as electives or to fulfil language requirements in some degree programs. In some Faculties, you need to obtain approval from your Student Affairs Office as well as from your academic adviser before you take courses outside of your Faculty, especially if the courses do not form part of your program requirements. In addition to its credit course offerings, the MWC offers non-credit courses, workshops, and individualized tutoring. For further information, please visit the MWC website: mcgill.ca/mwc.

Undergraduate Courses:

Course Number	Course Title	Credits	Notes
CEAP 150	Critical Analysis and Composition	3	Instructor permission required
CEAP 250	Research Essay and Rhetoric	3	
CESL 299	ESL: Academic English Seminar	3	
CESL 300	ESL: Academic English 2	3	Placement test required (see mcgill.ca/mwc for details)
CESL 400	ESL: Essay & Critical Thinking	3	Placement test required (see mcgill.ca/mwc for details)
CESL 500	ESL: Research Essay and Rhetoric	3	Placement test required (see mcgill.ca/mwc for details)
CCOM 200	Introduction to Creative Writing	3	
CCOM 206	Communication in Engineering	3	Restricted to and required for students pursuing a B.Sc. in Engineering
CCOM 301	Selected Communication Topic 1	3	
CCOM 302	Selected Communication Topic 2	3	
CCOM 314	Communicating Science	3	
CCOM 315	Writing the Internet	3	
CCOM 414	Advanced Communicating Science	3	



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

Graduate Courses:

Course Number	Course Title	Credits
CEAP 642	Cornerstones of Academic Writing	1
CEAP 652	Fundamentals of Academic Presentations	1
CEAP 661	Literature Review 1: Summary and Critique	1
CEAP 665	Literature Review 2: Establishing Scholarly Niches	1
CEAP 671	Selected Topics in Communication 1	1
CEAP 672	Selected Topics in Communication 2	1
CEAP 676	Thesis Writing Lab	1
CESL 631	Strategies for Academic Communication in English	1
CESL 641	Fundamentals of Academic Writing in English	1
CESL 651	Pronunciation for Effective Communication	1
CCOM 614	Communicating Science to the Public	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

In addition to the McGill museums, there are other collections and exhibits of a specialised nature curated by McGill's **Heritage Advisory Committee**.

McGill began accumulating cultural property by virtue of acquisition or donation even before the university itself was established. At the Montreal Medical Institute, which became McGill's Faculty of Medicine and Health Sciences, specimens were collected and used as teaching tools as early as 1822. Articles published about early collections gained international recognition for faculty members such as Andrew Fernando Holmes and Sir William Dawson. Their collections and others had a major influence on building McGill's reputation as a learned institution.

For more information, and to view the full list of historical collections at McGill, please visit mcgill.ca/historicalcollections.

1.11 The University

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

1.11.1 History

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

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

Progress, however, was slow until the 1821 Charter was amended in 1852 to constitute the members of the Royal Institution as the Governors of McGill College. Since that time the two bodies have been one. It was first called "The University of McGill College" but in 1885 the Governors adopted the name "McGill University." Even after the amended charter was granted, little advance was made until 1855 when William Dawson was appointed Principal. When

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

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

In 1905, Sir William Macdonald established Macdonald College at Sainte-Anne-de-Bellevue as a residential college for Agriculture, Household Science, and the School for Teachers. Those components have since become the Faculty of Agricultural and Environmental Sciences, which includes the School of 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.

1.11.2 Incorporated and Affiliated Colleges

1.11.2.1 Incorporated College

Royal Victoria College

3425 University Street, Montreal QC H3A 2A8

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

1.11.2.2 Affiliated Theological Colleges

Montreal Diocesan Theological College

3473 University Street, Montreal QC H3A 2A8

Principal: Rev. Dr. Jesse Zink; B.A.(Acad.), M.A.(Chic.), M.Div.(Yale), Ph.D.(Camb.)

Presbyterian College of Montreal

3495 University Street, Montreal QC H3A 2A8

Principal: Rev. Dr. Roland de Vries; B.A.(Guelph), M.Div.(The Presbyterian College), S.T.M., Ph.D.(McG.)

United Theological College of Montreal

3475 University Street, Montreal QC H3A 2A8

Principal: Rev. Maylaine Maybee; B.A.(Tor.), Dip.Theol., Cert.Ed.(Oxon), M.Div.(Trin. Coll., Tor.)

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

1.11.3 University Government

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

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

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

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

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

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

1.11.4 Recognition of Degrees

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

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

All of McGill's degree programs are approved by the Government of Quebec.

1.11.5 Governance: Board of Governors

1.11.5.1 The Visitor

The Visitor

Her Excellency the Right Honourable Mary Simon; C.C., C.M.M., C.O.M., O.Q., C.D., Governor General and Commander-in-Chief of Canada **Administrator of the Government of Canada**

1.11.5.2 Board of Governors

Board of Governors

Ram Panda; M.Eng., M.B.A.(McG.)	Chair
Suzanne Fortier; B.Sc., Ph.D.(McG.)	Principal and Vice-Chancellor
John McCall MacBain; OC, McGill University (BA), Wadham College, Oxford (MA), Harvard University (MBA)	Chancellor

1.11.5.2.1 Members

Members

Bob Babinski; B.A.(McG.)

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

Michael T. Boychuk; B.Com.(McG.)

Peter Coughlin; B.Com.(Car.), M.B.A.(W. Ont.)

Alan Desnoyers; B.Com.(McG.)

Claude G n reux; B.Eng.(McG.), M.A.(Oxf.)

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

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

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

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

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

Samuel Minzberg; LL.B.(McG.)

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

Adrienne Piggott

Louise Pilote; M.P.H.(Harv.), Ph.D.(Calif., Berk.)

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

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 (<i>Interim</i>)	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****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)

Administrative Officers

Russell Steele; B.S., M.S. (Carn. Mell), Ph.D. (Wash.)

Associate Dean (Graduate and Postdoctoral Studies)

2.2.2 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.

2.2.3 Graduate and Postdoctoral Studies' Mission

The mission of Graduate and Postdoctoral Studies (GPS) is to promote university-wide academic excellence for graduate and postdoctoral education at McGill. GPS provides leadership and strategic direction across the university in close collaboration with the academic and administrative units, and the graduate and postdoctoral community.

2.3 Important Dates

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

2.4 Graduate Studies at a Glance

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

2.5 Program Requirements

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

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

2.6 Graduate Admissions and Application Procedures

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

- Application for Admission
- Admission Requirements
- Application Procedures
- Competency in English

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

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 of this publication contains important details postdoctoral scholars will require during their studies at McGill and should be periodically consulted, along with other sections and related publications.

2.8.1 Postdocs

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

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

2.8.2 Guidelines and Policy for Academic Units on Postdoctoral Education

Every unit hosting postdocs should apply institutional policies and procedures for the provision of postdoctoral education and have established means for informing postdocs of policies, procedures, and privileges (available at mcgill.ca/gps/postdocs), as well as mechanisms for addressing complaints. For their part, postdocs are responsible for informing themselves of such policies, procedures, and privileges.

1. Definition and Status

- i. Postdoctoral status will be recognized by the University in accordance with Quebec provincial regulations as may be modified from time to time. The eligibility period for postdoctoral status is up to five years from the date when the Ph.D. or equivalent degree was awarded. A [section 1.2.8: leave of absence](#) for parental or health reasons may extend the eligibility period. Leaves for other reasons, including vacation, do not impact the eligibility period.
- ii. Some McGill postdocs have dual status as both students and employees (unionized or non-unionized). Consult the [Graduate and Postdoctoral Studies website](#) for definitions of Postdoctoral Fellows, Postdoctoral Scholars and Postdoctoral Researchers.
- iii. Postdocs must conduct research under the supervision of a McGill professor (including Adjunct Professors), qualified in the discipline in which training is being provided and with the ability to fulfil supervisory responsibilities and act as a mentor for career development. Postdocs are expected to engage primarily in research with minimal teaching or other responsibilities.

2. Registration

- i. Postdocs must [register](#) annually with the University through Enrolment Services. Registration will be limited to postdocs who fulfil the definition above, and who meet the eligibility criteria as stipulated on the [Graduate and Postdoctoral Studies website](#).
- ii. Upon registration, postdocs will be eligible for a University identity card issued by Enrolment Services.
- iii. Leaves of absence must comply with the Graduate and Postdoctoral Studies Policies for Vacation, Parental/Familial, and Health Leave (see [section 2.8.3: Vacation Policy for Graduate Students and Postdocs](#) and [University Regulations & Resources > Graduate > Regulations > Categories of Students > section 1.2.8: Leave of Absence Status](#)).

3. Appointment, Funding, Letter of Agreement

- i. Postdoctoral appointments may not exceed the registration eligibility period as defined above.
- ii. In order to be registered, the postdoc must be assured of financial support other than from personal means during their stay at McGill University. This amount must be equivalent to the minimal stipend requirement set by the University in accordance with guidelines issued by federal and provincial research granting agencies or the collective agreement, as applicable. Funding during parental leave is subject to the conditions of the funding agency or the collective agreement, as applicable.
- iii. Postdocs require a [Letter of Agreement for Postdoctoral Education](#) signed by the postdoc, the supervisor, and the department/unit head or delegate.
- iv. Postdocs with full responsibility for teaching a course should be compensated over and above their postdoctoral funding as course lecturers. This applies to all postdocs, except those for whom teaching is part of the award.
- v. The amount of research, teaching, or other tasks that postdocs engage in over and above postdoctoral activities should conform to the regulations for postdocs specified by the Canadian research council of their discipline or the collective agreement. This applies to all postdocs, including those whose funding does not come from the Canadian research councils.

4. Privileges

- i. Postdocs have the same pertinent rights as the ones granted to McGill students under mcgill.ca/students/srr, and those granted by the policies listed at mcgill.ca/secretariat/policies-and-regulations.

- ii. Postdocs have full graduate student borrowing privileges in McGill libraries through their identity card.
- iii. As a general rule, postdocs may take courses for credit as Special Students following the admissions procedures outlined at mcgill.ca/gradapplicants/apply/prepare/visiting. *Tuition and other charges* will apply.
- iv. Postdocs may be listed in the McGill directory.
- v. Access to sports facilities may be purchased on a monthly basis through McGill Athletics and Recreation.
- vi. Postdoctoral Fellows and Scholars are mandatory members of the Post-Graduate Students' Society (PGSS) and an annual association fee is automatically charged.
- vii. Postdocs are permitted membership in the Faculty Club; an annual fee will be charged for this membership.
- viii. Postdocs are encouraged to participate in Professional Development Workshops provided by Graduate and Postdoctoral Studies, and Teaching and Learning services. These sessions are usually free of charge.
- ix. Postdocs have 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 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

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
- Residential Facilities
- Athletics and Recreation
- Ombudsperson for Students
- Extra-Curricular and Co-Curricular Activities
- Bookstore
- Computer Store
- Day Care

2.11 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

2.12 Browse Academic Units & Programs

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

2.12.1 Agricultural Economics

2.12.1.1 Location

Department of Agricultural Economics/Natural Resource Sciences

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 Resource Sciences](#). Further details can also be found at mcgill.ca/nrs/academic/graduate/agricultural-economics.

2.12.1.3 Agricultural Economics Admission Requirements and Application Procedures

2.12.1.3.1 Admission Requirements

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

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

When an applicant does not have sufficient background in economics for admission to the M.Sc., they may be admitted to a Qualifying program of one year of undergraduate courses. To enter the M.Sc. in Agricultural Economics from the Qualifying Year program, a student must earn a GPA of at least a 3.2 in the approved program. In all cases, after completion of a Qualifying Year, an applicant interested in commencing the M.Sc. in Agricultural Economics must apply for admission by the posted deadline.

Details on the M.Sc. are available from [section 2.12.7: Natural Resource Sciences](#) > [section 2.12.7.5: Master of Science \(M.Sc.\) Agricultural Economics \(Thesis\) \(45 credits\)](#). Further details can also be found at mcgill.ca/nrs/academic/graduate/agricultural-economics.

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

2.12.1.3.2 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.

2.12.1.3.2.1 Additional Requirements

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

- Curriculum Vitae
- Personal Statement
- The GRE – not required, but highly recommended

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.

	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:	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.

2.12.1.4 Agricultural Economics Faculty**Program Director**

P.J. Thomassin

Professor

P.J. Thomassin

Associate Professor

N. Kosoy

Assistant Professors

M.K. Doidge; A.P. Harou.

Associate Member

C. Barrington-Leigh

2.12.2 Animal Science**2.12.2.1 Location**

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

2.12.2.2 About Animal Science

The Department of Animal Science provides exciting challenges to graduate students in the areas of:

- Animal Breeding and Genetics
- Animal Models for Human Medical Applications
- Dairy Cattle Welfare
- Epigenetic Modelling

- Food Safety
- Genome Editing (CRISPR tools)
- Large-data Analyses
- Metabolomics
- Reproductive Physiology
- Ruminant and Non-ruminant Nutrition and Metabolism

as they relate, not only to livestock production, but also leading into the fields of human nutrition and medicine via animal models for human disease, infertility, and obesity. Official options in Biotechnology are also available.

Departmental researchers have excellent wet-lab facilities at their disposal; large-animal studies can be carried out at the Large Animal Research Unit on the Macdonald campus farm, where other livestock species are available for research trials as well. Research can make use of the Small Animal Research Unit for studies involving rodent animal models, guinea pigs, neonatal piglets, and rabbits. Expertise is also available in applied information systems, management-software development, and large-scale data analyses. Close collaboration with the *Quebec Centre for Expertise in Dairy Production (Lactanet)* allows for large-scale data-mining projects, software development, and the production of advising tools for the industry. The Department also has significant expertise in food safety, environmental studies related to animal production, and global food security. Our staff's many connections via research networks allow for rich learning environments for our graduate students.

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

Two one-semester courses and three seminar courses at the postgraduate level complement an area of research (resulting in a thesis) under the supervision of one of our staff—many of whom are leaders in their respective fields. Entrance to this program is highly competitive, requiring an excellent B.Sc. and letters of reference. Graduates of this program are well prepared for careers in the animal industry, the pharmaceutical sector, and many varied fields in biotechnology.

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

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

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

Climate change and rising human population have increased the need for sustainable agricultural practices. The Sustainable Agriculture option is taken with a M.Sc. Applied (Non-Thesis) program, and designed for students who wish to supplement their basic degree with graduate studies in animal science, with a specific focus on sustainability in agriculture. Students will be exposed to different approaches to improve the sustainability of agricultural systems through specialized coursework and a project. The program aims to provide graduate training in applied areas of animal production with a view toward integrating technology and management in sustainable animal production with allied areas of agricultural resource utilisation.

section 2.12.2.8: Doctor of Philosophy (Ph.D.) Animal Science

Since the Ph.D. is primarily a research degree, the amount of coursework required will normally be considerably less than is the case for the M.Sc. It depends on the background of the individual student and must be approved by the student's advisory committee. At a minimum, it includes two seminar courses at the graduate level and the Ph.D. Comprehensive Examination as an admission to candidacy for the Ph.D. As with the M.Sc. (Thesis), admission is based on an excellent track record. Suitable candidates are encouraged to contact potential supervisors within their chosen area of interest. Applicants should, however, be aware that no professor is in a position to accept students without formal approval of the application by the Graduate Admissions Committee.

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

Bioinformatics research lies at the intersection of biological/medical sciences and mathematics/computer science/engineering. The intention of the Bioinformatics Option is to train students to become researchers in this interdisciplinary field. This includes the development of strategies for experimental design, the construction of tools to analyze datasets, the application of modelling techniques, the creation of tools for manipulating bioinformatics data, the integration of biological databases, and the use of algorithms and statistics.

2.12.2.3 Animal Science Admission Requirements and Application Procedures

2.12.2.3.1 Admission Requirements

M.Sc. (Thesis)

Candidates are required to have either a bachelor's degree in Agriculture or a B.Sc. degree in an appropriate, related discipline with an equivalent cumulative grade point average (CGPA) of 3.0/4.0 (second class–upper division) or a grade point average (GPA) of 3.2/4.0 during the last two years of full-time university study. High grades are expected in courses considered by the academic unit to be preparatory to the graduate program.

M.Sc. (Applied)

All candidates are required to have a B.Sc. degree or equivalent.

Ph.D.

Candidates are normally required to have an M.Sc. degree in an area related to the chosen field of specialization for the Ph.D. program.

Qualifying Students

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

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.

2.12.2.3.2.1 Additional Requirements

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

- Acceptance to all programs depends on a staff member agreeing to serve as the student's supervisor and the student obtaining financial support.
- The GRE – not required, but highly recommended.

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

	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 the Winter term is open for thesis programs only.

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.

2.12.2.4 Animal Science Faculty**Chair**

Raj Duggavathi

Emeritus Professors

Roger B. Buckland; Eduardo R. Chavez; Eugene Donefer; John F. Hayes; Urs Kühnlein; Sherman Touchburn.

Professors

Xin Zhao

Associate Professors

Vilceu Bordignon; Sergio Burgos; Roger I. Cue; Raj Duggavathi; Sarah Kimmins; Arif F. Mustafa; Elsa Vasseur; Kevin M. Wade; Jianguo (Jeff) Xia.

Assistant Professors

Jennifer Ronholm; Alexander Bekele-Yitbarek.

Adjunct Professors

Baurhoo Bushansingh; Pierre Lacasse; Bruce Murphy; Débora Santschi.

Affiliate Member

René Lacroix

2.12.2.5 Master of Science (M.Sc.) Animal Science (Thesis) (45 credits)**Thesis Courses (36 credits)**

ANSC 680	(9)	M.Sc. Thesis 1
ANSC 681	(9)	M.Sc. Thesis 2
ANSC 682	(9)	M.Sc. Thesis 3
ANSC 683	(9)	M.Sc. Thesis 4

Required Courses (9 credits)

6 credits of coursework at the 500 level or higher approved by the student's advisory committee, and three 1-credit seminars.

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

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

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

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

Research Project (15 credits)

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

Complementary Courses (30 credits)

15-30 credits from the following:

AEMA 610	(3)	Statistical Methods 2
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 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 designed for students who wish to supplement their basic degree with graduate studies in animal science, with a specific focus on sustainability in agriculture. Students will be exposed to different approaches to improve the sustainability of agricultural systems through specialized coursework and a research project. The program aims to provide graduate training in applied areas of animal production with a view toward integrating technology and management in sustainable animal production with allied areas of agricultural resource utilization.

Research Project (15 credits)

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

Required Courses (12 credits)

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

Complementary Courses (18 credits)

3 credits from the following list:

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

9-15 credits from the following list:

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

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

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

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

Thesis

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

Required Courses

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

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

Thesis

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

Required Courses (5 credits)

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

Complementary Courses (6 credits)

Two courses chosen from the following:

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

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

2.12.3 Bioresource Engineering

2.12.3.1 Location

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

2.12.3.2 About Bioresource Engineering

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

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

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

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

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

This option for the M.Sc. degree is oriented toward individuals who intend to develop a career in bioresource engineering research. The research areas include: plant and animal environments; ecological engineering (ecosystem modelling, design, management and remediation); water resources management (hydrology, irrigation, drainage, water quality); agricultural machinery, mechatronics and robotics; food engineering and bio-processing; post-harvest technology; waste management and protection of the environment; bio-energy; and artificial intelligence.

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. Through this program, students will master specialised skills in their home disciplines and acquire a broader perspective and awareness of environmental issues.

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

This graduate program will provide students with the tools to understand how food and agricultural production interact to better manage agricultural, food, and biomass systems for the adequate supply of wholesome food, feed, fiber, biofuel, and any other bio-based material. This course-based program will present students with the skills needed to assess existing production, delivery, and quality management systems; introduce improvements; and communicate effectively with policy makers and with colleagues in multi-disciplinary teams.

The goals of this program are to provide up-to-date world class knowledge on techniques for adequate process design and management of biomass production strategies for the delivery of quality food, natural fiber, biochemicals, biomaterials, and biofuels, in a sustainable and environment-friendly way that benefits all. Training activities will include laboratory research and/or industrial/government internships.

section 2.12.3.12: Doctor of Philosophy (Ph.D.) Bioresource Engineering

This is a research-based degree and is offered in the following areas: plant and animal environments; ecological engineering (ecosystem modelling, design, management, and remediation); water resources management (hydrology, irrigation, drainage, water quality); agricultural machinery, mechatronics and robotics; food engineering and bio-processing; post-harvest technology; waste management and protection of the environment; bio-energy; and artificial intelligence.

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

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

2.12.3.3 Bioresource Engineering Admission Requirements and Application Procedures

2.12.3.3.1 Admission Requirements

The general rules of Graduate and Postdoctoral Studies apply. Candidates should indicate in some detail their fields of special interest when applying for admission. An equivalent cumulative grade point average (CGPA) of 3.0/4.0 (second class–upper division) or a grade point average (GPA) of 3.2/4.0 during the last two years of full-time university study is required at the bachelor's level. High grades are expected in courses considered by the academic unit to be preparatory to the graduate program. Experience after the undergraduate degree is an additional asset.



Note: Candidates for the M.Sc. (non-thesis) program with concentration in Integrated Water Resources Management are required to have a Bachelor's degree but this does not need to be an engineering degree. Non-engineering students with a demonstrated interest in water resources management are encouraged to apply. Related disciplines could include, for example, geography, international development studies, sociology, anthropology, mathematics, environmental studies, biology, natural resources management, and engineering, among others.



Note: Candidates for the M.Sc. Applied program (general or general with Environment option) must meet the qualification of professional engineer in a Canadian professional engineering association such as the *Ordre des ingénieurs du Québec* (OIQ), either before or during their M.Sc. Applied program.



Note: Candidates for the M.Sc. Applied program with concentration in Environmental Engineering shall have completed an undergraduate degree in engineering.



Note: Candidates for the M.Sc. Applied program with concentration in Integrated Food and Bioprocessing shall have graduated with a Bachelor of Engineering, Bachelor of Science in Engineering or a Bachelor of Technology, and possess a strong knowledge in the following core engineering areas: fluid mechanics, heat and/or mass transfer, thermodynamics, and engineering mathematics (including statistics).

Qualifying Students

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

Financial Aid

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

2.12.3.3.2 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.

2.12.3.3.2.1 Additional Requirements

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

- Acceptance to all programs depends on a staff member agreeing to serve as the student's supervisor and the student obtaining financial support.
- The GRE – not required, but highly recommended.

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

	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	March 15	March 15

	Application Opening Dates		Application Deadlines	
Winter Term*:	Feb. 15*	Aug. 31*	Aug. 31*	Aug. 31*
Summer Term:	N/A	N/A	N/A	N/A

* Admission to the Winter term is open for thesis programs only.

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.

2.12.3.4 Bioresource Engineering Faculty

Chair

Viacheslav I. Adamchuk

Graduate Program Director

G.S. Vijaya Raghavan

Associate Graduate Program Director

Mark Lefsrud

Emeritus Professors

Robert S. Broughton; Robert Kok.

Professors

Viacheslav I. Adamchuk; Jan Adamowski; Chandra A. Madramootoo; Michael O. Ngadi; Valérie Orsat; Shiv O. Prasher; G.S. Vijaya Raghavan.

Associate Professors

Abdolhamid Akbarzadeh Shafaroudi; Grant Clark; Marie-Josée Dumont; Mark Lefsrud; Zhiming Qi.

Assistant Professor

Benjamin Goldstein; Shangpeng Sun.

Adjunct Professors

Luis Del Rio; Boris Tartakovsky.

Faculty Lecturers

Fernando Altamura; Alice Cherestes; David Titley-Peloquin.

Research/Academic Associates

Yvan Garipey; Li (Laura) Liu; Sarah MacPherson; Darwin Lyew.

Technical

Scott Manktelow

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

This option for the M.Sc. degree is oriented toward individuals who intend to develop a career in bioresource engineering research.

Thesis Courses (32 credits)

BREE 691	(4)	M.Sc. Thesis 1
BREE 692	(4)	M.Sc. Thesis 2
BREE 693	(4)	M.Sc. Thesis 3

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

Required Courses (5 credits)

BREE 651	(1)	Departmental Seminar M.Sc. 1
BREE 652	(1)	Departmental Seminar M.Sc. 2
BREE 699	(3)	Scientific Publication

Complementary Courses (9 credits)

500-, 600-, or 700-level courses in bioresource engineering and other fields to be determined in consultation with the Research Director.

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

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

Thesis Courses (32 credits)

BREE 691	(4)	M.Sc. Thesis 1
BREE 692	(4)	M.Sc. Thesis 2
BREE 693	(4)	M.Sc. Thesis 3
BREE 694	(4)	M.Sc. Thesis 4
BREE 695	(4)	M.Sc. Thesis 5
BREE 696	(4)	M.Sc. Thesis 6
BREE 697	(4)	M.Sc. Thesis 7
BREE 698	(3)	M.Sc. Thesis 8

Required Courses (8 credits)

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

Complementary Courses (6 credits)

3-6 credits from:

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

0-3 credits from:

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

ENVR 680 (3) Topics in Environment 4

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

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

Research Project (6 credits)

BREE 631 (6) Integrated Water Resources Management Project

Required Courses (27 credits)

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

Elective Courses (12 credits)

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

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

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

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

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

Research Project (12 credits)

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

Required Courses (2 credits)

BREE 651 (1) Departmental Seminar M.Sc. 1
 BREE 652 (1) Departmental Seminar M.Sc. 2

Complementary Courses (31 credits)

31 credits of 500-, 600-, or 700-level courses in bioresource engineering and other fields* to be determined in consultation with the Project Director.

* Note: 12 of the 31 credits are expected to be from collaborative departments, e.g., food process engineering: 12 credits divided between Food Science and Chemical Engineering.

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

The M.Sc.(Applied) in Bioresource Engineering; Non-Thesis - Environment is a program offered in collaboration with the Bieler School of Environment. As a complement to the unit's expertise, the program considers how various dimensions (scientific, social, legal, ethical) interact to define environment and sustainability issues.

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

Research Project (12 credits)

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

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

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

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

Thesis

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

Required Courses

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

Complementary Courses

Courses of study selected for a Ph.D. program will depend on the existing academic qualifications of the candidate, and on those needed for effective pursuit of research in the chosen field. Candidates are encouraged to take an additional course of study of their own choice in some field of the humanities, sciences, or engineering not directly related to their research. The program will be established by consultation of the candidate with a committee that will include the Research Director and at least one other professor.

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

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

Thesis

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

Required Courses (3 credits)

Note: BREE 701, the comprehensive component, must be taken either late in the first, or early in the second, registration year to qualify to proceed to the completion of the Ph.D. degree.

BREE 701	(0)	Ph.D. Comprehensive Examination
BREE 751	(0)	Departmental Seminar Ph.D. 1
BREE 752	(0)	Departmental Seminar Ph.D. 2
BREE 753	(0)	Departmental Seminar Ph.D. 3
BREE 754	(0)	Departmental Seminar Ph.D. 4
ENVR 615	(3)	Interdisciplinary Approach Environment and Sustainability

Complementary Courses (6 credits)

3-6 credits from:

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

0-3 credits from:

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

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

2.12.4 Biotechnology

2.12.4.1 Location

Institute of Parasitology
Macdonald Campus
21,111 Lakeshore Road
Sainte-Anne-de-Bellevue QC H9X 3V9
Telephone: 514-398-7838
Email: gradstudies.macdonald@mcgill.ca
Website: mcgill.ca/biotechgradprog

2.12.4.2 About Biotechnology

The non-thesis M.Sc.(Applied) degree in Biotechnology offers a course-based curriculum with practical training in laboratory courses and internships offered through the Institute of Parasitology. The Institute is housed on Macdonald Campus of McGill University in beautiful Sainte-Anne-de-Bellevue about 30 kilometres from the Montreal main campus downtown.

Graduates typically enter the biotechnology sector in research, management, or sales, or accept government positions.

Biotechnology Programs

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

Candidates must possess a bachelor's degree in the biological/molecular sciences or an equivalent program. This applied master's program is unique in Quebec. It aims to prepare students for entry into the biotechnology and pharmaceutical industry or equip them to pursue further graduate studies in biomedicine, agriculture, or the environment. Students can choose from a wide range of complementary courses given throughout the McGill campuses to “design” their own program toward a future career choice. The program provides in-house training in cell and molecular biology, and protein biochemistry, with a strong focus on the molecular/biochemical sciences. Concurrently, it provides teaching in management and gives students the opportunity to look at the business aspect of biotechnology.

A research internship of four to eight months is carried out in an active laboratory, and students learn to present and write research results. Graduates will find jobs ranging from positions as research assistants and/or technicians in biomedical or pharmaceutical laboratories to managerial or supervisory positions. They may also pursue a career in the business of biotechnology including patent and intellectual property management.

section 2.12.4.6: Graduate Certificate (Gr. Cert.) Biotechnology (16 credits)

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

Candidates must possess a bachelor's degree in the biological/molecular sciences or an equivalent program. This is a short, intense program for students wishing to deepen their understanding of biotechnology and gain hands-on experience via an intensive laboratory course using the latest molecular biology techniques. Students can choose from a wide range of complementary courses given throughout the McGill campuses to “design” their own program toward a future career choice. Graduates will find employment in research or industrial laboratories as assistants and/or technicians.

2.12.4.3 Biotechnology Admission Requirements and Application Procedures

2.12.4.3.1 Admission Requirements

Candidates for the M.Sc.(Applied) in Biotechnology must possess a bachelor's degree in biological sciences or equivalent with a minimum cumulative grade point average (CGPA) of 3.2/4.0, as well as all prerequisites or their equivalents. Applicants are required to have sufficient background in biochemistry, cellular biology, and molecular biology, preferably at an advanced level for the Master's Applied.

Financial Aid

Financial support is not available for this applied program. It is suggested that students give serious consideration to their financial planning before submitting an application. Students should be self-financed or self-funded to ensure they can complete this program financially worry free. Academic units cannot guarantee financial support via teaching assistantships.

English Language Proficiency

For graduate applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized Canadian or American (English or French) institution or from a recognized foreign institution where English is the language of instruction, documented proof of English proficiency is required prior to admission. For a list of acceptable test scores and minimum requirements, visit mcgill.ca/gradapplicants/international/proficiency

2.12.4.3.2 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.

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;
- functional ingredients;
- applied infrared spectroscopy;
- food processing;
- thermal generation of aromas and toxicants;
- marine biochemistry;
- food chemical toxicants.

The Department has key infrastructure with all major equipment necessary for conducting research in all these areas. Our graduate program provides strong mentoring/advisory support while maintaining high flexibility for individual research projects.

section 2.12.5.6: Master of Science (M.Sc.) Food Science and Agricultural Chemistry (Non-Thesis) (45 credits)

The program offers advanced food science courses in a broad range of areas. Applicants with a strong background in food science or microbiology or chemistry/biochemistry or post-harvest processing with a strong interest in eventually pursuing doctoral research are encouraged to apply. Students must complete a total of 45 credits including ten graduate-level courses, the graduate seminar, and the research project. The program may be completed in three to four academic terms (12 to 16 months). Entry is possible from other disciplines; however, students may be required to complete selected undergraduate courses as determined by the Department at the time of admission in order to orient themselves to food science. Subsequent career paths include work within the food industry and government agencies.

section 2.12.5.5: Master of Science (M.Sc.) Food Science and Agricultural Chemistry (Thesis) (45 credits)

This program is a research-based degree in various areas related to food science for candidates entering the M.Sc. program without restrictions (i.e., not requiring a Qualifying term/year). Entry into the M.Sc. (Thesis) program also hinges on the availability of supervisory staff and financing. Therefore, it is advisable that the applicant for the M.Sc. (Thesis) degree select the M.Sc. (Non-Thesis) as a second choice in the application form, to enhance the possibility of entry into the Food Science graduate program. Subsequent career paths include work within the food industry, government agencies, and in research.

section 2.12.5.7: Master of Science (M.Sc.) Food Science & Agricultural Chemistry: Food Safety (Non-Thesis) (45 credits)

The program is intended to train graduate students as specialists in food safety with the expectation that graduates will be well prepared academically to take on the challenging food safety events and issues that emerge both in Canada and globally. The program will cover food safety through the entire food supply chain from food production through processing/manufacturing to the food consumer; the courses which make up the program reflect the food safety considerations at the different stages of the farm to table food supply chain.

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

A Ph.D. in food science is suitable for students with an M.Sc. degree in food science or related areas who wish to become independent researchers and/or leaders in the field of food science. Candidates with a B.Sc. degree applying for the Ph.D. need to register first for the M.Sc. degree. In cases where the candidates are performing well during their first year, they may be permitted to fast track to the Ph.D. degree. Entry into the Ph.D. graduate program hinges on the availability of supervisory staff and financing.

2.12.5.3 Food Science and Agricultural Chemistry Admission Requirements and Application Procedures

2.12.5.3.1 Admission Requirements

Applicants to the M.Sc. programs (thesis or non-thesis) must be graduates of a university of recognized reputation and hold a B.Sc. in Food Science or a related discipline such as Chemistry, Biochemistry, or Microbiology with a minimum cumulative grade point average (CGPA) of 3.4/4.0 (second class–upper division). Applicants to the Ph.D. program must hold an M.Sc. degree in Food Science or related areas with a minimum CGPA of 3.4 in their M.Sc. and a minimum GPA of 3.6 for the last two years of their B.Sc. degree. High grades are expected in courses considered by the academic unit to be preparatory to the graduate program.

Qualifying Students

Some applicants whose academic degrees and standing entitle them to serious consideration for admission to graduate studies, but who are considered inadequately prepared in the subject selected may be admitted to a Qualifying program if they have met the Graduate and Postdoctoral Studies minimum CGPA of 3.0/4.0. The course(s) to be taken in a Qualifying program will be prescribed by the academic unit concerned. Qualifying students are registered

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

Financial Aid

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.
- Proof of funding (all graduate programs, international applicants only): Documents must be provided in the application to prove that funding is available for the entire duration of the applied-for degree (including tuition, fees, surcharges, books and supplies, living and personal expenses, and any mandatory medical insurance required for the applicant's studies).
- An interview with the applicant may be requested by the Department of Food Science and Agricultural Chemistry in order to assist in the evaluation of the application.

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

	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*	Aug. 31*	Aug. 31*	Aug. 31*
Summer Term:	N/A	N/A	N/A	N/A

* Admission to the Winter term is open for thesis programs only.

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.

2.12.5.4 Food Science and Agricultural Chemistry Faculty

Chair

Varoujan A. Yaylayan

Graduate Program Director

Ashraf Ismail

Emeritus Professors

Inteaz Alli; Frederik R. van de Voort.

Professors

Hosahalli S. Ramaswamy; Benjamin K. Simpson; Varoujan A. Yaylayan.

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.

2.12.5.5 Master of Science (M.Sc.) Food Science and Agricultural Chemistry (Thesis) (45 credits)

For candidates entering the M.Sc. program without restrictions, i.e., those not requiring a qualifying term/year, the M.Sc. degree consists of 45 graduate credits. These credits are obtained through a combination of graduate courses and a research thesis.

The residence time for a M.Sc. degree is three academic terms based on unqualified entry into the M.Sc. program. Students are encouraged to complete their studies within this time frame.

Thesis (30 credits)

FDSC 690	(8)	M.Sc. Literature Review
FDSC 691	(7)	M.Sc. Research Protocol
FDSC 692	(15)	M.Sc. Thesis

Required Courses (6 credits)

FDSC 695	(3)	M.Sc. Graduate Seminar 1
FDSC 696	(3)	M.Sc. Graduate Seminar 2

Complementary Courses (9 credits)

At least 9 credits, normally from 500- or 600-level departmental courses.

2.12.5.6 Master of Science (M.Sc.) Food Science and Agricultural Chemistry (Non-Thesis) (45 credits)

This 45-credit program is offered to candidates who seek further training in Food Science, but do not wish to pursue independent research. These credits are obtained through a combination of graduate courses.

The residence time for a M.Sc. degree (Non-Thesis) is three academic terms.

PROGRAM REQUIREMENTS**Research Project (12 credits)**

FDSC 697	(6)	M.Sc. Project Part 1
FDSC 698	(6)	M.Sc. Project Part 2

Complementary Courses (18 credits)

3 credits chosen from the following:

FDSC 695	(3)	M.Sc. Graduate Seminar 1
FDSC 696	(3)	M.Sc. Graduate Seminar 2

15 credits chosen from the following:

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.

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

The program is intended to train graduate students as specialists in food safety with the expectation that graduates will be well prepared academically to take on the challenging food safety events and issues that emerge both in Canada and globally. The program will cover food safety through the entire food supply chain from food production through processing/manufacturing to the food consumer; the courses which make up the program reflect the food safety considerations at the different stages of the farm to table food supply chain.

Required Courses (12 credits)

FDSC 545	(3)	Advances in Food Microbiology
FDSC 624	(3)	Current Food Safety Issues
FDSC 626	(3)	Food Safety Risk Assessment
FDSC 634	(3)	Food Toxins and Toxicants

Research Project (12 credits)

FDSC 697	(6)	M.Sc. Project Part 1
FDSC 698	(6)	M.Sc. Project Part 2

Complementary Courses (15 credits)

3 credits chosen from the following:

FDSC 695	(3)	M.Sc. Graduate Seminar 1
FDSC 696	(3)	M.Sc. Graduate Seminar 2

12 credits chosen from the following:

AGRI 510	(3)	Professional Practice
BREE 535	(3)	Food Safety Engineering
FDSC 525	(3)	Food Quality Assurance
FDSC 536	(3)	Food Traceability

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

2.12.6 Human Nutrition

2.12.6.1 Location

School of Human Nutrition
 Macdonald-Stewart Building
 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/nutrition

2.12.6.2 About Human Nutrition

In the School of Human Nutrition, cutting-edge nutrition research is conducted by 14 tenure-track professors and six faculty lecturers in all areas recommended by North American Nutrition Societies. These areas include clinical, community, and international nutrition as well as molecular and cellular nutrition. Research at the School emphasizes the following domains:

- nutritional biochemistry and metabolism;
- nutrigenomics and lifestyle behaviour;
- global food security;
- fetal, perinatal, and childhood origins of health and disease;
- clinical and epidemiological studies addressing health outcomes in at-risk populations including Indigenous Peoples, mothers and children, and older adults;
- nutritional management and development of novel nutritional approaches to optimize health during chronic diseases and for treatment during surgery and recovery from disease;

Research is conducted in our on-site research labs, the *Centre for Indigenous Peoples' Nutrition and Environment* (CINE), the *McGill Institute for Global Food Security*, the *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. This Diploma consists of two semesters of *Stage* (internship) in Clinical Nutrition, Community Nutrition, and Foodservice Management. Upon completion of the Diploma, the recipient is eligible to register and practice as a Dietitian in Quebec (professional French is a requirement), as well as in other Canadian provinces and other countries.

2.12.6.3 Human Nutrition Admission Requirements and Application Procedures

2.12.6.3.1 Admission Requirements

M.Sc. Thesis and M.Sc. Applied (Project, Practicum, and Dietetics Credentialing)

Applicants must be graduates of a university of recognized reputation and hold a B.Sc. degree equivalent to a McGill degree in a subject closely related to the one selected for graduate work. Applicants must have a minimum cumulative grade point average (CGPA) in McGill University's credit equivalency of 3.3/4.0 (high second class—upper division) for the M.Sc. Thesis and M.Sc. Applied during their bachelor's degree program. Eligible candidates to the M.Sc. (Applied) program may select one of three options:

1. The project option;
2. The practicum option, which is reserved for those who have completed a dietetics internship and six months of work experience and are members of the ODNQ and wish to further develop their skills in a particular area of practice through an advanced internship;
3. The dietetics credentialing option, for those who wish to follow a program combining courses and internship, leading to licensure as a dietitian. This program has a specific entrance **CGPA requirement of 3.5/4.0** and French proficiency (minimum level B2) requirement.

Ph.D.

Applicants must be graduates of a university of recognized reputation and hold a B.Sc. and M.Sc. degree equivalent to a McGill degree in a subject closely related to the one selected for graduate work. Applicants must have a minimum cumulative grade point average (CGPA) in McGill University's credit equivalency of 3.3/4.0 (high second class—upper division) during their bachelor's and master's degree programs. Exceptional students may apply to transfer to the Ph.D. program after one year of study in the M.Sc. (Thesis) program.

Qualifying Students

Some applicants whose 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. 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 recognised Canadian or American (English or French) institution or from a recognised 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

2.12.6.3.2 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.

2.12.6.3.2.1 Additional Requirements

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

- Final acceptance to the M.Sc. (Thesis) and Ph.D. programs depends on a faculty member agreeing to serve as the student's supervisor. A supervisor is not required for acceptance to the M.Sc. (Applied) program.
- Graduate Record Exam (GRE) – The GRE is required for all Ph.D. applicants to the School of Human Nutrition who are submitting non-Canadian or non-U.S. transcripts.

2.12.6.3.3 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the School of Human Nutrition and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program.

	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*	June 1*	Oct. 1*	Oct. 1*
Summer Term:	N/A	N/A	N/A	N/A

* Admission to the Winter term is open for thesis programs only.

Admission to graduate studies is competitive; accordingly, late 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.

2.12.6.4 Human Nutrition Faculty

Director

Linda J. Wykes

Professors Emeriti

Harriet V. Kühnlein; Timothy A. Johns.

Professors

Luis B. Agellon; Niladri Basu; Linda J. Wykes.

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 the program. Confirmation of immunization will be coordinated by the Student Wellness Hub (<https://www.mcgill.ca/wellness-hub/>). Certain deadlines apply.

*Advising Notes for Professional Practice (Stage):

All courses must be passed with a minimum grade of B-. The admissions CGPA of 3.5 must be maintained throughout to remain in the program. All clinical nutrition courses must be completed at McGill University within 3 years prior to commencing the Professional Practice (Stage). Students who have had extended delays and exceed this 3-year maximum will be asked to repeat these clinical nutrition courses. Registration for all Professional Practice (Stage) courses is restricted to students with a CGPA greater than or equal to 3.5. Students need to develop a working knowledge of French in order to effectively complete their Stage placements. Students are reminded that ethical conduct on Professional Practice (Stage) rotations is required. The School reserves the right to require the withdrawal of any student if at any time the student has displayed unprofessional conduct or demonstrates incompetence.

2.12.6.7 Master of Science, Applied (M.Sc.A.) Human Nutrition (Non-Thesis): Practicum (45 credits)**Practicum (12 credits)**

NUTR 656	(3)	M.Sc. (Applied) Practicum 1
NUTR 657	(3)	M.Sc. (Applied) Practicum 2
NUTR 658	(3)	M.Sc. (Applied) Practicum 3
NUTR 659	(3)	M.Sc. (Applied) Practicum 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 in statistics at the 500 level or higher

3 credits in research methods at the 500 level or higher

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

Elective Courses (9 credits)

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

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

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

interest in research that advances our fundamental knowledge about microorganisms as well as leads to improved efficiencies of our managed ecosystems. After completing their degrees they go on to careers in academia, environmental policy, government agencies, industry, and other fields.

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

Graduate students in the renewable resources program work within, and often across, multiple disciplines of basic and applied environmental sciences. Specialties within the program include environmental and ecological economics, environmental health and toxicology, forest ecology, fish and fisheries biology, landscape ecology, limnology, micrometeorology, soil science, and wildlife biology. They typically have exceptionally strong backgrounds in one or more of these specialties and an interest in research that advances both theory and applied management of natural resources. After completing their degrees they go on to careers in academia, environmental policy, government agencies, industry, and other fields.

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

Please contact the Department for more information about this program.

Ph.D. Degrees in Entomology, Microbiology, or Renewable Resources (Includes Micrometeorology, Forest Science, Soil Science, and Wildlife Biology)***section 2.12.7.11: Doctor of Philosophy (Ph.D.) Entomology***

Graduate students in the entomology program work within, and often across, multiple disciplines of basic and applied environmental sciences. Specialties within the program include terrestrial arthropod ecology, physiology, zoogeography, diversity, and systematics. Our students typically have exceptionally strong backgrounds in one or more of these specialties and an interest in research that advances both theory and applied management of ecosystems. After completing their degrees they go on to careers in academia, environmental policy, government agencies, industry, and other fields.

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

Please contact the Department for more information about this program.

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

Please contact the Department for more information about this program.

section 2.12.7.14: Doctor of Philosophy (Ph.D.) Microbiology

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

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

Please contact the Department for more information about this program.

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

Graduate students in the renewable resources program work within, and often across, multiple disciplines of basic and applied environmental sciences. Specialties within the program include environmental and ecological economics, environmental health and toxicology, forest ecology, fish and fisheries biology, landscape ecology, limnology, micrometeorology, soil science, and wildlife biology. 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 natural resources. After completing their degrees they go on to careers in academia, environmental policy, government agencies, industry, and other fields.

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

Please contact the Department for more information about this program.

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

Please contact the Department for more information about this program.

2.12.7.3 Natural Resource Science Admission Requirements and Application Procedures

2.12.7.3.1 Admission Requirements

M.Sc. Thesis (Agricultural Economics)

Direct admission to the M.Sc. requires the completion of a B.Sc. in Agricultural Economics or a closely related area, with the minimum equivalent cumulative grade point average (CGPA) of 3.0/4.0 (second class–upper division) or minimum grade point average (GPA) of 3.2/4.0 during the last two years of full-time university study. High grades are expected in courses considered by the academic unit to be preparatory to the graduate program.

The ideal preparation includes courses in agricultural economics, economic theory (intermediate micro and macro), calculus, linear algebra, and statistics. Students with deficiencies in these areas will be required to take additional courses as part of their degree program.

M.Sc. Thesis (Entomology, Microbiology, Renewable Resources)

Candidates are required to have a bachelor's degree with a minimum equivalent CGPA of 3.0/4.0 (second class–upper division) or a minimum GPA of 3.2/4.0 during the last two years of full-time university study. High grades are expected in courses considered by the academic unit to be preparatory to the graduate program.

M.Sc. in Renewable Resources (Non-Thesis) – Environmental Assessment Option

Applications are not being accepted for the current academic year; the program is currently under review.

Ph.D. Thesis (Entomology, Microbiology, Renewable Resources)

Candidates are normally required to hold an M.Sc. degree and will be judged primarily on their ability to conduct an original and independent research study.

Qualifying Program

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

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 recognised Canadian or American (English or French) institution or from a recognised 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

2.12.7.3.2 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.

2.12.7.3.2.1 Additional Requirements

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

- Acceptance to all programs normally depends on a staff member agreeing to serve as the student's supervisor and the student obtaining financial support.
- The GRE – not required, but highly recommended.

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

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

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. Fyles; Edmund S. Idziak; Peter H. Schuepp; Robin K. Stewart.

Professors

Niladri Basu; Elena Bennett; Peter Brown; Christopher Buddle; Gordon Hickey; Murray Humphries; Paul J. Thomassin; Joann Whalen; Lyle G. Whyte.

Associate Professors

Jeffrey Cardille; Benoît Côté; Brian T. Driscoll; Gary B. Dunphy; Kyle Elliott; Sebastien Faucher; Jessica Head; Nicolas Kosoy; Ian B. Strachan.

Assistant Professors

Mary Doidge; Aurélie Harou; Jessica Gillung; Cynthia Kallenbach; Melissa McKinney; Denis Roy.

Associate Members

Christopher Barrington-Leigh; David M. Green; Jacqueline Bede; Robin Thomas Naylor.

Adjunct Professors

Kimberly Fernie; Charles W. Greer; Magali Houde.

Affiliate Members

Adrian Unc; Geoffrey Sunahara.

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

Graduate students receive rigorous training in economic theory, institutional economics, and quantitative methods, with a focus on applying economic concepts and tools to identify, define, analyze, and solve economic problems in the agri-food sector and the environment. The ideal prior preparation is an undergraduate degree in Agricultural Economics or Economics, including undergraduate courses in intermediate economic theory (micro and macro), calculus, algebra, statistics, and econometrics.

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

Thesis Courses (24 credits)

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

Required Course (3 credits)

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

6 credits, two theory courses chosen from:

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

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

At least 3 credits of quantitative methods course chosen from:

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

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

A minimum of 3 credits from the following:

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

Additional Complementary Courses: To complete the 45 credit program requirement from courses in your field or thesis 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.

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

The McGill-STRI Neotropical Environment Option (NEO) is a research-based option for Masters or PhD students in the departments of Anthropology, Biology, Bioresource Engineering, Geography, Natural Resource Sciences, Plant Science, and Political Science at McGill University. NEO is aimed at students who wish to focus their graduate research on environmental issues relevant to the Neotropics and Latin American countries. NEO favors interdisciplinary approaches to research and learning through the participation of researchers from McGill and from STRI. Students will complete their research in Latin America and NEO's core and complementary courses will be taught in Panama. NEO's educational approach seeks to facilitate a broader understanding of tropical environmental issues and the development of skills relevant to working in the tropics.

Whether applying to a Master or a PhD, students are expected to meet all the degree.

Thesis Courses (33 credits)

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.

2.12.7.11 Doctor of Philosophy (Ph.D.) Entomology

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.

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

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

Thesis

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

Required Courses (3 credits)

ENVR 615	(3)	Interdisciplinary Approach Environment and Sustainability
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's supervisor AND the Neotropical Environment Options Director.

2.12.7.14 Doctor of Philosophy (Ph.D.) Microbiology

Includes Micrometeorology, Forest Science, Soil Science, and 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.

2.12.8 Parasitology

2.12.8.1 Location

Institute of Parasitology
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/parasitology

2.12.8.2 About Parasitology

The Institute of Parasitology offers **M.Sc.** and **Ph.D.** thesis research degrees in Parasitology and a non-thesis **M.Sc. (Applied)** degree in Biotechnology (Information on the Biotechnology programs is found in the [section 2.12.4: Biotechnology](#) section). For the Ph.D. program, it is possible to add a Bioinformatics option.

The Institute of Parasitology teaches and researches the phenomenon of parasitism in humans, livestock, and other animals, and the control of parasitic diseases. The interface of parasitism/immunity/nutrition is also examined in the context of the host-parasite interaction. Current research involves:

- molecular biology;
- molecular genetics;
- biochemistry;
- bioinformatics;
- pharmacology;
- control and drug resistance;
- immunology;
- epidemiology;

- 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)

A research project is undertaken in an area of parasitology under the direction of a supervisor, and a thesis is produced. Coursework is minimal. Graduates have gone on to medical school, to teaching positions, or have found employment in scientific fields.

section 2.12.8.6: Doctor of Philosophy (Ph.D.) Parasitology

An advanced, original research project is undertaken in an area of parasitology supervised by faculty staff. Coursework is minimal. Graduates are well suited for teaching positions in academia or scientific careers in a university, private industry, or government.

section 2.12.8.7: Doctor of Philosophy (Ph.D.) Parasitology: Bioinformatics

An advanced, original research project in an area of parasitology is undertaken supervised by faculty staff, and a thesis is produced. Additional coursework in the field of bioinformatics is required for this option. Graduates are well suited for a teaching or research career, especially where there is particular emphasis on the science of bioinformatics.

2.12.8.3 Parasitology Admission Requirements and Application Procedures

2.12.8.3.1 Admission Requirements

Candidates for either the M.Sc. or the Ph.D. thesis research degree should possess a bachelor's degree in biological or medical sciences with a minimum cumulative grade point average (CGPA) of 3.2/4.0 (second class–upper division). High grades are expected in courses considered by the academic unit to be preparatory to the graduate program. Previous experience in parasitology is not essential.

Qualifying Students

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

Financial Support

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. For information on awards and funding opportunities, see:

- mcgill.ca/gradapplicants/funding;
- mcgill.ca/parasitology/graduatestudies/admissions;
- mcgill.ca/macdonald/prospective/gradstudies/funding;
- mcgill.ca/macdonald/gradstudents/gradawards; and
- mcgill.ca/internalawards/faculty/agricultural-and-environmental-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.

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

Professors

Roger Prichard; Reza Salavati; Marilyn Scott.

Associate Professors

Robin N. Beech; Elias Georges; Petra Rohrbach; Jianguo (Jeff) Xia.

Assistant Professors

Igor Cestari; Qian (Vivian) Liu; Thavy Long; Fernando Lopes.

Associate Members

Gregory J. Matlashewski; Momar Ndao; Martin Olivier; Mary Stevenson.

Adjunct Professors

Traian Sulea; Karine Thivierge.

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-Bellevue QC H9X 3V9
Canada
Telephone: 514-398-7838
Email: gradstudies.macdonald@mcgill.ca
Website: mcgill.ca/plant

2.12.9.2 About Plant Science

The Department offers an M.Sc. and a Ph.D. in Plant Science with options in Bioinformatics, Environment, or Neotropical Environment, and provides for study in all fields of plant science. Research facilities—both field and laboratory—are available for investigations in plant breeding, crop physiology, crop management, crop quality, plant ecology, the epidemiology and biology of plant diseases, epigenetics, biosystematics, recombinant DNA technology, mycology, weed biology, tissue culture, plant biochemistry, and bioinformatics. Facilities include:

- Horticultural Research Centre
- Emile A. Lods Agronomy Research Centre
- greenhouses
- growth cabinets
- McGill University Herbarium
- multi-scale imaging facility
- genome editing laboratory
- plant-pest containment laboratory
- field phenomics platform

An advisory committee is named for each student and has the responsibility of developing the program of study appropriate to the student's background and area of specialization.

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

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

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

This M.Sc. in Plant Science requires approximately two years for completion. Overall, the program consists of two graduate-level courses, seminars, and a research project leading to a thesis. The courses and the research project are chosen and defined with the help of an advisory committee. The goal of the Bioinformatics option is to train students to become researchers in the interdisciplinary field of bioinformatics, which lies at the intersection of

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, or further graduate studies in a related field.

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

This M.Sc. in Plant Science requires approximately two years for completion. Overall, the program consists of two graduate-level courses, seminars, and a research project leading to a thesis. The courses and the research project are chosen and defined with the help of an advisory committee. Subsequent career paths are varied, but include work with government agencies, the private sector, or further graduate studies in a related field. This Environment graduate option has an added emphasis on environmental sciences, including additional courses and seminars. It is aimed at students who wish to take an interdisciplinary approach in their graduate research on environmental issues and who wish to benefit from interactions with students from a wide range of disciplines.

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

This M.Sc. in Plant Science requires approximately two years for completion. Overall, the program consists of two graduate-level courses, seminars, and a research project leading to a thesis. The courses and the research project are chosen and defined with the help of an advisory committee. Subsequent career paths are varied, but include work with government agencies, the private sector, or further graduate studies in a related field. This option has an added emphasis on neotropical environments, including additional courses and seminars. Part of the program takes place in Panama.

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

Please note that program is currently under review, and will not be accepting applicants

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

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

This Ph.D. in Plant Science requires approximately three years for completion. Overall, the program consists of seminars and a research project leading to a thesis. Students must also complete a comprehensive examination within their first year of study. The research project is defined with the help of an advisory committee. Subsequent career paths are varied, but include work with government agencies, universities, or the private sector.

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

This Ph.D. in Plant Science requires approximately three years for completion. Overall, the program consists of seminars and a research project leading to a thesis. Students must also complete a comprehensive examination within their first year of study. The research project is defined with the help of an advisory committee. Subsequent career paths are varied, but include work with government agencies, universities, or the private sector. This Bioinformatics option has an added emphasis on bioinformatics, including additional courses and seminars. The goal of this option is to train students to become researchers in the interdisciplinary field of bioinformatics, which lies at the intersection of biological/medical sciences and mathematics/computer science/engineering.

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

This Ph.D. in Plant Science requires approximately three years for completion. Overall, the program consists of seminars and a research project leading to a thesis. Students must also complete a comprehensive examination within their first year of study. The research project is defined with the help of an advisory committee. Subsequent career paths are varied, but include work with government agencies, universities, or the private sector. This Environment graduate option has an added emphasis on environmental sciences, including additional courses and seminars. It is aimed at students who wish to take an interdisciplinary approach in their graduate research on environmental issues and who wish to benefit from interactions with students from a wide range of disciplines.

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

This Ph.D. in Plant Science requires approximately three years for completion. Overall, the program consists of seminars and a research project leading to a thesis. Students must also complete a comprehensive examination within their first year of study. The research project is defined with the help of an advisory committee. Subsequent career paths are varied, but include work with government agencies, universities, or the private sector. This option has an added emphasis on neotropical environments, including additional courses and seminars. Part of the program takes place in Panama.

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

The Graduate Certificate in Bioinformatics is a new cross-disciplinary program that teaches students the foundations of bioinformatics thinking, methodology, and applications through hands-on experience with computers and bioinformatics tools. The program introduces students to many areas of application such as medicine, agriculture, and chemistry. Required courses include basic UNIX skills, genomics data, common bioinformatics software, relational databases,

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 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.

2.12.9.3.2 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.

2.12.9.3.2.1 Additional Requirements

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

- Acceptance to all programs depends on a staff member agreeing to serve as the student's supervisor and the student obtaining financial support.
- The GRE – not required, but highly recommended.

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

	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	Aug. 31	Aug. 31	Aug. 31
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.

2.12.9.4 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
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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

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.

2.12.9.11 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 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 the first year of registering

ENVR 615 (3) Interdisciplinary Approach Environment and Sustainability

PLNT 701* (0) Doctoral Comprehensive Examination

Complementary Courses (6 credits)

3-6 credits from:

ENVR 610 (3) Foundations of Environmental Policy

ENVR 614 (3) Mobilizing Research for Sustainability

3 credits from:

ENVR 585 (3) Readings in Environment 2

ENVR 630 (3) Civilization and Environment

ENVR 680 (3) Topics in Environment 4

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

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

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

The required thesis for this Ph.D. degree must display original scholarship expressed in proper literate style and must be a distinct contribution to knowledge.

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

Thesis

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

Required Invitational Seminar

PLNT 690 (0) Research Horizons in Plant Science 1

Required Courses (6 credits)

* Must be taken within one year of registering.

BIOL 640 (3) Tropical Biology and Conservation
 ENVR 610 (3) Foundations of Environmental Policy
 PLNT 701* (0) Doctoral Comprehensive Examination

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.

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

Required Courses (9 credits)

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

Complementary Courses (6 credits)

6 credits from the following:

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

3 Faculty of Arts

3.1 Dean's Welcome

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

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

Josephine Nalbantoglu, Ph.D.

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

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)

3.2.2 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.

3.2.3 Graduate and Postdoctoral Studies' Mission

The mission of Graduate and Postdoctoral Studies (GPS) is to promote university-wide academic excellence for graduate and postdoctoral education at McGill. GPS provides leadership and strategic direction across the university in close collaboration with the academic and administrative units, and the graduate and postdoctoral community.

3.3 Important Dates

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

3.4 Graduate Studies at a Glance

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

3.5 Program Requirements

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

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

3.6 Graduate Admissions and Application Procedures

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

- Application for Admission

- Admission Requirements
- Application Procedures
- Competency in English

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

3.7 Fellowships, Awards, and Assistantships

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

3.8 Postdoctoral Research

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

3.8.1 Postdocs

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

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

3.8.2 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 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.

3.8.3 Vacation Policy for Postdocs

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

3.8.4 Leave of Absence for Health and Parental/Familial Reasons

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

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.”

3.8.5 Postdoctoral Research Trainees

Eligibility

If your situation does not conform to the Government of Quebec's definition of a Postdoctoral Fellow, you may be eligible to attend McGill as a Postdoctoral Research Trainee. While at McGill, you can perform research only (you may not register for courses or engage in clinical practice). Medical specialists who will have clinical exposure and require a training card must register through Postgraduate Medical Education of the Faculty of Medicine and Health Sciences—not Graduate and Postdoctoral Studies.

The category of Postdoctoral Research Trainee is for:

Category 1: An individual who has completed requirements for the Doctoral degree or medical specialty, but whose degree/certification has not yet been awarded. An individual in this category will subsequently be eligible for registration as a Postdoctoral Fellow.

Category 2: An individual who is not eligible for Postdoctoral Registration according to the Government of Quebec's definition, but is a recipient of an external postdoctoral award from a recognized Canadian funding agency.

Category 3: An individual who holds a professional degree (or equivalent) in a regulated health profession (as defined under CIHR-eligible health profession) and is enrolled in a program of postgraduate medical education at another institution. This individual wishes to conduct the research stage or elective component of their program of study at McGill University under the supervision of a McGill professor. This individual will be engaged in full-time research with well-defined objectives, responsibilities, and methods of reporting. Applications must be accompanied by a letter of permission from the applicant's home institution (signed by the Department Chair, Dean, or equivalent) confirming registration in their program and stating the expected duration of the research stage. Individuals who are expecting to spend more than one year are encouraged to obtain formal training (master's or Ph.D.) through application to a relevant graduate program.

Category 4: An individual with a regulated health professional degree (as defined under CIHR-eligible health profession), but not a Ph.D. or equivalent or medical specialty training, but who fulfils criteria for funding on a tri-council operating grant or by a CIHR fellowship (up to maximum of five years post-degree).



Note: Individuals who are not Canadian citizens or permanent residents must inquire about eligibility for a work permit.

General Conditions

- The maximum duration is three years
- The individual must be engaged in full-time research
- The individual must provide copies of official transcripts/diplomas
- The individual must have the approval of a McGill professor to supervise the research and of the Unit
- The individual must have adequate proficiency in English, but is not required to provide official proof of English competency to Enrolment Services
- The individual must comply with regulations and procedures governing research ethics and safety and obtain the necessary training
- The individual will be provided access to McGill libraries, email, and required training in research ethics and safety. Any other University services must be purchased (e.g., access to athletic facilities)

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

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.anthropology@mcgill.ca
 Website: mcgill.ca/anthropology

3.12.1.2 About Anthropology

Our Department places high priority on research and on maintaining a distinguished graduate program. Each year, we admit only a small number of very highly qualified applicants for studies leading to the M.A. and Ph.D. degrees in Anthropology. Thus, our students benefit from close supervision by their committees and from high-quality peer exchange. By maintaining a high staff-student ratio, we are able to offer our graduate students an unusual degree of flexibility and personalized attention in designing their programs according to their specific interests. The program is particularly congenial to students who are self-directed.

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

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

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

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

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

The Environment option is aimed at students who wish to use interdisciplinary approaches in their graduate research on environmental issues and who wish to benefit from interaction with students from a wide range of different disciplines. Through research, seminars, and three courses, this option adds an interdisciplinary layer that will challenge students to defend their research and think in a broader context. The graduate option in Environment provides students with an appreciation for the role of science in informed decision-making in the environmental sector, and its influence on political, socio-economic, and ethical judgments. Students who have been admitted through their home department or faculty may apply for admission to the option. Option requirements are consistent across academic units. The option is coordinated by the *Bieler School of Environment* (BSE), in partnership with participating academic units.

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

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

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

The M.A. program in Medical Anthropology is given jointly by the Department of Anthropology and the Department of Social Studies of Medicine (SSOM). The program is open to students with backgrounds in the social sciences, the medical professions, or the medical sciences.

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

The M.A. in Anthropology (Non-Thesis) provides an intensive, course-based training in the fundamentals of anthropological theory and methodology over three semesters. The program is designed as a rigorous and comprehensive preparation for subsequent specialization in sociocultural anthropology, archaeology, or medical anthropology at the Ph.D. level.

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 in Anthropology. In very special circumstances, candidates with a master's degree in related disciplines may be admitted.

3.12.1.3.2 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.

3.12.1.3.2.1 Additional Requirements

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

- *TOEFL* – for non-anglophone and non-francophone applicants
- Writing Sample – a recent sample of the applicant's written work, on any topic (not necessarily within the desired field of graduate study), not necessarily previously submitted for evaluation or publication in English or French, and no more than 15 pages in length
- Personal Statement – an essay in which the applicant describes reasons for applying to graduate studies and indicates qualifications, qualities, or circumstances the applicant feels to be significant. Applicants usually provide information about educational and professional goals, and discuss their interest in the desired field of study
- Curriculum Vitae

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

	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

Application Opening Dates		Application Deadlines	
Winter Term:	N/A	N/A	N/A
Summer Term:	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 Admissions Committee announces its selections by mid-March and the end of April.

3.12.1.4 Anthropology Faculty

Chair

Lisa Stevenson

Undergraduate Program Director

TBA

Graduate Program Director

Lisa Overholtzer

Professors

John Galaty; Ronald W. Niezen; Colin H. Scott.

Associate Professors

Diana K. Allan; Nicole Couture; Sandra T. Hyde; Hillary Kaell; Eduardo O. Kohn; Katherine Lemons; Setrag Manoukian; Kristin Norget; James M. Savelle; Lisa Stevenson; Ismael Vaccaro.

Assistant Professors

Samuele Collu; Peter Johansen; Lisa Overholtzer; Leslie Sabiston.

Associate Members

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

Adjunct Members

Gwen Bennett; André Costopoulos; Arthur Dyke; Nadia Ferrara; Tobias Rees; Viviane Weitzner.

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

Revision, June 2022. Start of revision.

The M.A. in Anthropology (Thesis) provides advanced-level training in socio-cultural anthropology and archaeology. The program culminates in the preparation of a thesis, which is written under the direction of a supervisory committee, and which is expected to report on original research of publishable quality.

Required Courses (33 credits)

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

Complementary Courses (12 credits)

12 credits to be chosen from among 500-level or above departmental course offerings and to be determined by the student's area of study.

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 over three semesters. The program is designed as a rigorous and comprehensive preparation for subsequent specialization in sociocultural anthropology, archaeology, or medical anthropology at the PhD level.

Required Courses (30 credits)

ANTH 602	(3)	Theory 1
ANTH 603	(3)	Theory 2
ANTH 609	(6)	Proseminar in Anthropology
ANTH 690	(6)	Research Paper 1
ANTH 691	(6)	Research Paper 2

ANTH 692 (6) Research Paper 3

Complementary Courses (15 credits)

15 credits to be chosen from among 500-level or above departmental course offerings and to be determined by the student's area of study.

3.12.1.11 Doctor of Philosophy (Ph.D.) Anthropology

Thesis

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

Required Courses (12 credits)

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
ANTH 702	(0)	PhD Proposal Defence

Note: ANTH 602 and ANTH 603 should be taken in the first year of the program.

Complementary Courses (12 credits)

12 credits at the 500 and 600 level selected from courses within and/or outside the Department relevant to the student's research area in consultation with the student's supervisor and advisory committee.

A maximum of 6 credits can be taken from other programs with approval of the supervisor and GPD.

Elective Courses (0-24 credits)

A maximum of 24 credits at the 500 level or higher can be taken inside or outside the Department (e.g., language training, methodological training, history or regional studies courses).

Language Requirement

A language examination, normally French, must be passed before an oral examination of the research proposal may be scheduled. Francophone students can satisfy the language requirement by demonstrating competency in English. The purpose of the language requirement is to ensure that the student has access to anthropological literature in at least two languages. Under special circumstances, a language other than English or French may be substituted, provided that there is sufficient anthropological literature on the student's research topic in that language.

The Ethics application and the language exam must be submitted before the proposal defence. They can be submitted at any point during PhD2 and PhD3 (before the date of the proposal defence is chosen).

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

All new Neotropical Environment students will be encouraged to spend the month of August (prior to September admission) in Panama to take their first core course and familiarize themselves with the country.

Thesis

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

Required Courses (18 credits)

If admitted to Ph.D. 2.

Note: To ensure that students understand prior research, they must define three subfields that intersect with the thesis topic.

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
ANTH 702	(0)	PhD Proposal Defence
BIOL 640	(3)	Tropical Biology and Conservation
ENVR 610	(3)	Foundations of Environmental Policy

Complementary Courses (6 credits)

6 credits, at the 500, 600, or 700 level, selected from courses within and/or outside the department relevant to the student's research area and in consultation with the student's supervisor and advisory committee. At least 3 of the 6 credits must also be pre-approved by the Neotropical Environment Director.

Elective Courses (0-24 credits)

A maximum of 24 credits at the 500 level or higher can be taken inside or outside the Department (e.g., language training, methodological training, history or regional studies courses).

Language Requirement

A language examination, normally French, must be passed before an oral examination of the research proposal may be scheduled. Francophone students can satisfy the language requirement by demonstrating competency in English. The purpose of the language requirement is to ensure that the student has access to anthropological literature in at least two languages. Under special circumstances, a language other than English or French may be substituted, provided that there is sufficient anthropological literature on the student's research topic in that language.

The Ethics application and the language exam must be submitted before the proposal defence. They can be submitted at any point during PhD2 and PhD3 (before the date of the proposal defence is chosen.)

If admitted to Ph.D. 1.

In addition to the above requirements, 15 credits from courses at the 500 level or higher within and/or outside of the Department relevant to the student's research area in consultation with the student's supervisor and/or PhD committee.

3.12.2 Art History

3.12.2.1 Location

Department of Art History and Communication Studies
 Arts Building, Room 155-B
 853 Sherbrooke Street West
 Montreal QC H3A 0G5
 Telephone: 514-398-4933
 Email: graduate.ahcs@mcgill.ca
 Website: mcgill.ca/ahcs

3.12.2.2 About Art History

The graduate program in Art History offers **M.A.** and **Ph.D.** degrees and is extremely active. The programs cover a wide range of areas of study delimited by the Department's fields of specialization, which include the following:

- Ancient;
- Medieval;
- Renaissance;
- the 17th, 18th, 19th, and 20th centuries;
- Contemporary;
- Canadian;
- East Asian;
- Architectural History;

- New Media;
- Print Culture;
- Gender and Sexuality;
- Race and Representation;
- Art historical methodologies, notably Feminism, Postcolonialism, and Queer Theory.

All of our faculty members are outstanding scholars in their respective fields and are involved in a wide range of major collaborative and individual research projects, many involving faculty from other universities, departments, and programs (such as Communication Studies, English and Literary Studies, Histories of Science and Medicine, Religious Studies, Classics, History, and Women's Studies). These research projects allow us to offer relevant research training opportunities and assistantships to our graduate students.

McGill is situated in one of the most vibrant cities in North America, and Montreal offers myriad opportunities for graduate students to engage with local arts institutions, either officially, through internships and research fellowships, or unofficially, through volunteering. Local institutions range from 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](#).

Residency Requirements

For students entering the master's program in Art History, three semesters of full-time resident study at McGill University are required to complete the degree. "Residence" means that the student is enrolled on a full-time basis during this period (i.e., it does not refer to housing or accommodations). This residence period represents the minimum time required to obtain the degree; however, there is no guarantee that the required coursework can be completed within this time. Students may register for additional semesters to complete the program, and most students take four semesters (see [University Regulations & Resources > Graduate > Regulations > Registration > section 1.2.12: Time Limitation](#)). A typical timeline and further details regarding completing the M.A. may be found at mcgill.ca/ahcs/graduate/ahgradprograms/ma.

Coursework

Before classes begin, each student will meet with either the Graduate Program Director or with their supervisor to determine an appropriate selection of courses which, when considered in relation to the student's previous record, will provide a balanced breadth of coverage and specialization.

The candidate is required to pass, with a mark of 65% (B-) or better, all those courses that have been designated by the Department as forming a part of their program. These are the courses that have been entered on the registration form. A few extra courses may be taken, but it is then the responsibility of the student to see that these courses are clearly marked "not required" on the registration form.

[section 3.12.2.5: Master of Arts \(M.A.\) Art History \(Thesis\) \(45 credits\)](#)

Please see the Departmental [website](#) for more information about this program.

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

M.A. students who have selected the Graduate Option in Gender and Women's Studies complete a GWS coursework component as part of the total credits required for the M.A. degree. All course selection must first be approved by the supervisor/graduate program director.

[section 3.12.2.7: Doctor of Philosophy \(Ph.D.\) Art History](#)

Please see the Departmental [website](#) for more information about this program.

[section 3.12.2.8: Doctor of Philosophy \(Ph.D.\) Art History: Gender and Women's Studies](#)

Ph.D. students who have selected the Graduate Option in Gender and Women's Studies complete a GWS coursework component as part of the total credits required for the Ph.D. degree. All course selection must first be approved by the supervisor/graduate program director.

3.12.2.3 Art History Admission Requirements and Application Procedures

3.12.2.3.1 Admission Requirements

Entrance into either the M.A. or Ph.D. programs is limited to the best qualified applicants. A minimum CGPA of 3.3 or the equivalent, i.e., 75%, is highly recommended. The Department requires a research statement of at least 250 words outlining the candidate's particular research interest in Art History as well as a sample of their written work such as a seminar paper or, in the case of Ph.D. applicants, all or part of the M.A. paper or thesis. For a complete list of materials required, see [section 3.12.2.3.2: Application Procedures](#) below.

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.

	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.



Note: There are no Winter or Summer term admissions for the M.A. and Ph.D. programs.

3.12.2.4 Art History and Communication Studies Faculty

Chair

Matthew C. Hunter

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.

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

Thesis

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

Required Courses (3 credits)

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

Complementary Courses (12 credits)

Four courses chosen from the following:

ARTH 501	(3)	Advanced Topics in Art History and Visual Culture
ARTH 502	(3)	Advanced Topics in Art and Architectural History
ARTH 714	(3)	Directed Reading 2
ARTH 723	(3)	Art Criticism 1

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-level complementary courses listed for the M.A.

Alternatively, up to 3 of the 12 credits may be from other disciplines, as approved by the Department.

Language Requirement

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

3.12.2.8 Doctor of Philosophy (Ph.D.) Art History: Gender and Women's Studies

Students should refer to the Departmental website for information about Ph.D. residency and timing.

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

Thesis

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)

ARTH 600	(3)	Advanced Professional Seminar
ARTH 701	(0)	Ph.D. Comprehensive Examination
WMST 601	(3)	Feminist Theories and Methods
WMST 602	(3)	Feminist Research Symposium

Complementary Courses (9 credits)

An additional 9 credits in Art History, of which 3 credits must be a graduate option-approved 500- or 600-level ARTH course.

Language Requirement

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.

3.12.3 Classics

See [section 3.12.10: History and Classical Studies](#).

3.12.4 Communication Studies

3.12.4.1 Location

Department of Art History and Communication Studies
Arts Building, Room 155-B
853 Sherbrooke Street West
Montreal QC H3A 0G5
Canada
Telephone: 514-398-4933
Email: graduate.ahcs@mcgill.ca
Website: mcgill.ca/ahcs

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.

section 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 (GWS) provides graduate students obtaining degrees in a variety of participating departments and faculties with a cross-disciplinary specialization in feminist, women's, and gender studies. Students who pursue this option obtain a graduate degree in their own department as well as an "option/concentration" in GWS. Thus, the graduate option in GWS will appear on a student's transcript along with the M.A.

The option was developed by the Women's Studies program in response to needs expressed by the *Graduate Group for Feminist Scholarship* (GGFS) and to the range of inquiries the Women's Studies program regularly receives from potential students interested in graduate-level work with a feminist focus at McGill University. There are no prerequisites to enter into the option. However, undergraduate or graduate courses in gender or women's studies provide an ideal foundation for more in-depth study of, and research in, feminist scholarship. The thesis must be on a topic centrally related to gender and/or women's studies.

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

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

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

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

The option was developed by the Women's Studies program in response to needs expressed by the *Graduate Group for Feminist Scholarship* (GGFS) and to the range of inquiries the Women's Studies program regularly receives from potential students interested in graduate-level work with a feminist focus at McGill University. There are no prerequisites to enter into the option. However, undergraduate or graduate courses in gender or women's studies provide an ideal foundation for more in-depth study of, and research in, feminist scholarship.

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 [Graduate Administrative Coordinator](#), Department of Art History and Communication Studies.

3.12.4.3.2.1 Additional Requirements

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

- Research Proposal (Research Statement) – at least 500 words
- Written Work – two examples of academic writing
- 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).

3.12.4.3.3 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 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.

	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.



Note: There are no Winter or Summer term admissions for the M.A. and Ph.D. programs.

3.12.4.4 Communication Studies Faculty

See [section 3.12.2.4: Art History and Communication Studies Faculty](#).

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

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

Thesis Courses (24 credits)

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

Required Course (3 credits)

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

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

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

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

Thesis Courses (24 credits)

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

Required Courses (6 credits)

COMS 616	(3)	Staff-Student Colloquium 1
WMST 601	(3)	Feminist Theories and Methods

Complementary Courses (15 credits)

All complementary courses must be at the 500 level or higher in Communication Studies.

3 credits of complementary coursework must be in Gender and Women's Studies

WMST 602	(3)	Feminist Research Symposium
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OR, one 3-credit course on gender/women's issues at the 500, 600, or 700 level (may be in the Department or outside).

3.12.4.7 Doctor of Philosophy (Ph.D.) Communication Studies

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

Thesis

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)

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-level courses, which must include one 3-credit course on gender/women's issues at the graduate level (may be in the Department or outside).

Language Requirement

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

3.12.5 East Asian Studies**3.12.5.1 Location**

Department of East Asian Studies
680 Sherbrooke Street West, Room 0425
Montreal QC H3A 2M7
Canada

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 East Asian languages. Entering students are expected to have a background and/or degree in disciplines relating to East Asia, and have knowledge of an East Asian language. Graduates of our program are pursuing careers in academia, publishing, government service, the financial industry, media and communications, and other fields.

section 3.12.5.6: Doctor of Philosophy (Ph.D.) East Asian Studies (Ad Hoc)

The Ph.D. program requires a thesis that engages with current theoretical and methodological issues and uses both primary and secondary sources in East Asian languages. Entering students are expected to have a background and/or degree in disciplines relating to East Asia and have knowledge of an East Asian language. Graduates of our program are pursuing careers in academia, publishing, government service, the financial industry, media and communications, and other fields.

3.12.5.3 East Asian Studies Admission Requirements and Application Procedures

3.12.5.3.1 Admission Requirements

General

A minimum standing equivalent to a cumulative grade point average (CGPA) of 3.0 out of 4.0, or a GPA of 3.2/4.0 for the last two full-time academic years.

Applicants who have not studied at a Canadian institution must submit official copies of their Graduate Record Examination (GRE) at the time of application. These scores must come directly from the *Educational Testing Service*; **hard copies and photocopies are not accepted**. A minimum Test of English as a Foreign Language (*TOEFL*) score of 86 (Internet-based test (iBT); with no less than 20 in each of the four component scores) is required of all applicants whose mother tongue is not English and who have not completed an undergraduate or graduate degree at a foreign institution where English is the language of instruction, or at a recognized Canadian institution (anglophone or francophone). Alternatively, students proving their English proficiency may use the International English Language Testing System (*IELTS*) examination, for which the minimum score is an overall band score of 6.5 (academic module). For the TOEFL and GRE, you must indicate the McGill University institution code: 0935.

M.A.

Applicants must hold, or expect to hold by September of the year of entry, a bachelor's degree in East Asian Studies or a related field. Applicants are expected to have proficiency in the East Asian language(s) most useful for the proposed graduate work (preferably three years or more of coursework, or equivalent).

Ph.D.

Applicants must hold, or expect to hold by September of the year of entry, a master's degree in East Asian Studies or a related field.

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;
- GRE – required for applicants who have not studied at a Canadian university.

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

	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. 6	Jan. 6	Jan. 6
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.

3.12.5.4 East Asian Studies Faculty**Chair**

Jeehee Hong

Director, Undergraduate Studies

Kimberly Chung

Director, Graduate Program

Robin Yates

Emeritus Professor

Kenneth Dean; Thomas Lamarre.

Professors

Grace S. Fong; Robin D.S. Yates.

Associate Professors

Yuriko Furuhashi; Jeehee Hong; Gavin Walker.

Assistant Professors

Kimberly Chung; Xinyu Dong; Gal Gvili; Maria Cecilia Hwang; Lei Kwan (Rongdao) Lai; Marianne Tarcov.

Faculty Lecturers

Jennie Chang, Tomoko Ikeda, Myung Hee Kim, Yasuko Senoo, Bill Wang, Qiuyu Wang.

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.

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

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

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

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

There are four requirements for obtaining the doctoral degree:

1. Coursework – 24 credits at the 600 or 700 level with a grade point average of 3.5 or better. On the basis of this coursework, the student should identify three distinct fields for the Comprehensive Evaluation. Students may take up to 6 credits in another department with the approval of the Graduate Program Director.
2. Language – Candidates will be required to demonstrate reading knowledge of a second Asian language, which may include either modern or literary (classical) language, in addition to the primary Asian language of their research. Candidates will also be expected to demonstrate reading knowledge of both French and English.
3. Ph.D. Comprehensive Evaluation – The student is required to pass the Comprehensive Evaluation within one year after completing coursework. Exceptions have to be approved by the Graduate Program Director.
4. Doctoral Dissertation – A thesis proposal (15-25 pages) should be submitted within six months after successful completion of the Ph.D. Comprehensive Evaluation, after consultation with the Graduate Program Director and the thesis supervisor. Before submission of the dissertation, candidates are expected to spend time in Asia researching their project.

Thesis

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

3.12.6 Economics

3.12.6.1 Location

Department of Economics
 Stephen Leacock Building, Room 414
 855 Sherbrooke Street West
 Montreal QC H3A 2T7
 Canada
 Telephone: 514-398-3030
 Email: graduate.economics@mcgill.ca
 Website: mcgill.ca/economics

3.12.6.2 About Economics

The Department of Economics offers **M.A.** and **Ph.D.** programs that attract students from all over the world. Faculty members conduct research in numerous areas of economics, with particularly strong representation in the fields of econometrics, empirical microeconomics including development, and natural resources. The Department counts among its members a Canada Research Chair, two James McGill Professors, one William Dawson Scholar, an Officer of the Order of Canada, two Fellows of the Royal Society of Canada, and one Endowed Chair.

Lectures and examinations in the graduate program (M.A. and Ph.D.) in Economics are given in the core areas of:

- macroeconomics;
- microeconomics;
- econometrics;

and several fields including:

- economic development;
- financial econometrics;
- industrial organization;
- health economics;
- international economics;
- labour economics;
- monetary economics;
- mathematical economics; and
- advanced theory.

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

This program is currently not offered.

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

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

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

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

For those students interested in the interdisciplinary study of development, anchored in Economics, the Department offers the Development Studies Option (DSO). This program is offered as an option within existing M.A. 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 will take an interdisciplinary seminar and a variety of graduate-level courses on international development issues.

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

The Population Dynamics Option (PDO) is open to students wishing to specialize in population dynamics. The purpose of this program is to provide graduate training in demographic methods (including life table analyses) and enhance students' knowledge of critical population issues. As such, students will be required to take a course on demographic methods and a course in microeconomic methods relevant for population studies. In addition, students will take one complementary course in Economics, which focuses on a particular population issue such as population health, migration, aging, family dynamics, and labour markets and skills acquisition. Students will attend at least five of the seminars given in the Social Statistics and Population Dynamics Seminar series.

section 3.12.6.9: Doctor of Philosophy (Ph.D.) Economics

The Ph.D. program in Economics is designed to prepare students for research, whether in an academic or government setting, and teaching. The Department's faculty members conduct research in numerous areas of economics. The low student-faculty ratio ensures students receive individual attention to their own research, and are able to act as research assistants to the Faculty. The Department collaborates with the four other Economics departments in Montreal to extend the Ph.D.-level course offerings and to offer numerous external speakers and conferences.



Note: Changes may take place after this information has been published. Students are advised to contact the [Department of Economics](#) for supplementary information which may be important to their choice of program.

3.12.6.3 Economics Admission Requirements and Application Procedures

3.12.6.3.1 Admission Requirements

An Honours B.A. in Economics is the normal requirement, although students holding an ordinary B.A., whether in economics or another discipline, may also be eligible for admission. Students judged by the Admissions Committee to have deficiencies in their preparation in economics may be admitted to a Qualifying year in which they undertake advanced undergraduate work.

Students who have not previously passed a suitable course in statistics must take the undergraduate Honours Statistics course, ECON 257D1/D2. Students are also expected to have completed or to complete three terms of introductory calculus and at least one term of linear algebra.

If your education has been interrupted or if you do not have an undergraduate or graduate degree in economics from a Canadian university, you must take the Graduate Record Examination (GRE; General Test) and arrange for your scores to be sent to us.

English Language Proficiency

For graduate applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized Canadian or American (English or French) institution or from a recognized foreign institution where English is the language of instruction, documented proof of English proficiency is required prior to admission. For a list of acceptable test scores and minimum requirements, visit

mcgill.ca/gradapplicants/international/proficiency



Note: The Graduate Management Admission Test (GMAT) cannot be substituted for the GRE. McGill University's institutional code is 0935, and the Department of Economics' code is 1801. For more information about the GRE, please visit their [website](#).

3.12.6.3.2 Application Procedures

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

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

Information can be accessed on the Economics Department website at mcgill.ca/economics.

3.12.6.3.3 Additional Requirements

- GRE – mandatory if your education was interrupted or you do not have a degree in Economics from a Canadian university
- Personal Statement

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

	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.

3.12.6.4 Economics Faculty

Chair

Francisco Ruge-Murcia

Emeritus Professors

Antal Deutsch; George Grantham; Joseph Greenberg; Jagdish Handa; Kari Polanyi Levitt; John C. Rowley; Victoria Zinde-Walsh.

Professors

Hassan Bencheikroun; Robert D. Cairns; Rui Castro; Russell Davidson; Jean-Marie Dufour; John W. Galbraith; Sílvia Gonçalves; Christopher Green; Fabian Lange; Ngo Van Long; Robin Thomas Naylor; Francisco Ruge-Murcia.

Associate Professors

Francisco Alvarez-Cuadrado; Francesco Amodio; Daniel Barczyk; Saraswata Chaudhuri; Matthieu Chemin; Rohan Dutta; James Engle-Warnick; Franque Grimard; Sonia Laszlo; Markus Poschke; Christopher T.S. Ragan; Erin Strumpf; Licun Xue.

Assistant Professors

Leonie Baumann; Nicolas Gendron-Carrier; Laura Lasio; Fernando Saltiel.

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 and Population Dynamics Seminar series. Research topics must be related to population dynamics and approved by the PDO coordinating committee.

Research Project (18 credits)

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

Required Courses (18 credits)

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

Complementary Courses (9 credits)**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

Revision, July 2022. End of revision.

3 credits of a population dynamics course from the following:

ECON 634	(3)	Economic Development 3
ECON 641	(3)	Labour Economics
ECON 734	(3)	Economic Development 4
ECON 741	(3)	Advanced Labour Economics
ECON 744	(3)	Health Economics
SOCI 502	(3)	Sociology of Fertility

0-3 credits at the 500 level or higher (a course in the same/approved filed.)

ECON 510	(3)	Experimental Economics
ECON 525	(3)	Project Analysis
ECON 531	(3)	Historical Experience of Economic Development
ECON 546	(3)	Game Theory
ECON 611	(3)	Microeconomic Theory 2
ECON 621	(3)	Macroeconomic Theory 2

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 Conversations, 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 Teaching or Research Assistantships.

The Department offers two options toward the M.A. degree; one thesis (45 credits), and the other non-thesis (48 credits). Both options are designed to be completed in four terms and both entail a substantial piece of independent research undertaken with the guidance of a supervisor. It is rare for any student pursuing the M.A. to complete the degree in less than two years, although in certain circumstances it is possible to do so in one year (Fall, Winter, and Summer terms) or in 16 months (Fall, Winter, Summer, and Fall terms). M.A. students must complete the program within three years.

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

In the thesis option, students must successfully complete Graduate Research Seminar (ENGL 694) and five seminars, and write a thesis of 80–100 pages that adheres to the guidelines set under the thesis regulations of Graduate and Postdoctoral Studies. Students submit a proposal for the thesis to the Graduate Administration Committee in the Department; the proposal must be approved before students begin working on the thesis. When completed, the thesis is submitted to the Thesis Office and is reviewed by an External Examiner.

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

In the non-thesis option, students must successfully complete Graduate Research Seminar (ENGL 694) and seven seminars, and write a research paper of 40 pages. Students submit a proposal for the research paper to the Graduate Administration Committee in the Department; the proposal must be approved before students begin to write the research paper. The finished paper is evaluated by the supervisor and a second member of the Department. Although the Non-Thesis (research paper) M.A. is designed to be completed in two years, some students complete the program in one year (Fall, Winter, and Summer terms) or in 16 months (Fall, Winter, Summer, and Fall terms).

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

Students with an M.A. in English or a closely related discipline may apply to the Ph.D. program. In their first year (Ph.D. 2), doctoral students are expected to complete the two halves of the compulsory proseminar: ENGL 787 (taken in the Fall term) and ENGL 788 (taken in the Winter term), along with four seminars. The proseminars expose students to current academic issues, theoretical propositions, and professional questions. Students may substitute for the two second-term seminars one extended supervised Optional Research Project. Courses must be chosen in order to make possible the identification of a major and a minor area of concentration.

In this department, the PhD comprehensive exam is covered by ENGL 797 (Compulsory Research Project), to be completed in Ph.D. 3.

Doctoral students must complete the Ph.D. program within six years. A candidate intending to submit the thesis to meet the deadline for Spring Convocation must give notice of this intention before January 1. A candidate intending to meet the deadline for Fall Convocation must give such notice before May 1. The majority of students who complete the Ph.D. proceed to postdoctoral fellowships and teaching positions, either at CEGEP (colleges) or at universities.

3.12.7.3 English Admission Requirements and Application Procedures

3.12.7.3.1 Admission Requirements

M.A. Degree

Admission to the M.A. program requires a B.A. degree in English (honours or major) or its equivalent, with a very strong record of academic success (especially in the final two years of the B.A.). Typically, applicants will have solid training and coverage within their chosen area of theatre, cultural studies, or literature. Outstanding applicants from related disciplines may be invited to take a Qualifying year.

Ph.D. Degree

Admission to the doctoral program is highly competitive. Generally, outstanding students with the M.A. degree in hand apply to the doctoral program and are accepted into Ph.D. 2. In very rare circumstances, outstanding graduates of B.A. programs will be considered for “fast-tracking” into the doctoral program, entering at Ph.D. 1. For their first year, students follow the M.A. program (Thesis option) and, if their work is given a strong evaluation at the end of the first year, they then go on to complete the remaining requirements of the Ph.D. program.

English Language Proficiency

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.

3.12.7.3.2 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.



Note: The English Department web page contains detailed instructions meant to help applicants complete the online application form in a way best suited to the Department’s needs. See “How to Apply” at mcgill.ca/english/graduate/apply. Applicants are urged to read these departmental instructions closely and to keep them on hand as each section of the online application form is being completed and submitted.

3.12.7.3.2.1 Additional Requirements

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

- Writing Sample
- Research Statement (750–800 words)
- List of Awards and Publications

3.12.7.3.3 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the English Department and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program.

	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.

3.12.7.4 English Faculty

Chair

T. Ponech

Emeritus Professors

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

Professors

K. Borris; M.N. Cooke; A. Hepburn; E. Hurley; M.A. Kilgour; R. Lecker; P. Sabor; M. Stenbaek; B. Trehearne; P. Yachnin.

Associate Professors

S. Banerjee; D.A. Bray; S. Carney; T.W. Folkerth; P. Gibian; Y. Halevi-Wise; D.C. Hensley; M. Hickman; B. Kaite; E. MacLaren; D. Nystrom; A. Osterweil; T. Ponech; M. Popescu; F. Ritchie; N. Schantz; M.W. Selkirk; R. So; T. Sparks; A. Thain; M. Van Dussen; K. Zien.

Assistant Professors

A. Manshel; M. Nicholson.

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

Thesis Courses (24 credits)

ENGL 695	(3)	M.A. Thesis Preparation
ENGL 698	(21)	M.A. Thesis 2

Required Courses (6 credits)

ENGL 694	(6)	Graduate Research Seminar
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Complementary Courses (15 credits)

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

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

Research Project (18 credits)

ENGL 681	(3)	M.A. Research Paper Preparation 1
ENGL 682	(3)	M.A. Research Paper Preparation 2
ENGL 683	(3)	M.A. Research Paper Preparation 3
ENGL 684	(9)	M.A. Research Paper

Required Courses (9 credits)

ENGL 693	(3)	Research Methods
ENGL 694	(6)	Graduate Research Seminar

Complementary Courses (21 credits)

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

3.12.7.7 Doctor of Philosophy (Ph.D.) English

Thesis

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

Required Courses (15 credits)

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

Complementary Courses (12 credits)

Four Departmental seminars

OR

two Departmental seminars and

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

3.12.8.1 Coordonnées

Département des littératures de langue française, de traduction et de création
 Pavillon McCall MacBain Art
 853, rue Sherbrooke ouest, bureau 155
 Montréal, Québec H3A 0G5
 Téléphone : 514-398-3772
 Télécopieur : 514-398-8557
 Courriel : grad.littfran@mcgill.ca
 Site web : mcgill.ca/litterature/fr

3.12.8.2 Généralités : Langue et littérature françaises

Le DLTC offre un environnement particulièrement convivial et stimulant pour des étudiants qui souhaitent faire une maîtrise ou un doctorat dans le vaste domaine des littératures de langue française, des théories littéraires ou de la traduction littéraire. Le DLTC offre aussi un M.A. avec option en écriture littéraire (« création littéraire » et « traduction littéraire ») et un M.A. avec option en études sur les femmes et le genre. Le DLTC accorde un financement à tous ses étudiants, ainsi que des assistanats de recherche (et des charges d'enseignement pour les étudiants de Ph. D.). Nous sommes l'un des seuls départements de littérature en Amérique à avoir signé une entente officielle avec l'École Normale Supérieure de Paris grâce à laquelle nous offrons un stage d'un an à certains étudiants de Ph. D.

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

Maîtrise

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

1. Permettre à l'étudiant de compléter et d'approfondir ses connaissances dans le domaine littéraire grâce à un programme d'enseignement portant sur les littératures française et québécoise, les littératures francophones du Sud, de même que sur une variété de sujets connexes : théorie littéraire, histoire de la langue, histoire des idées, etc.
2. Favoriser l'apprentissage de la recherche et un début de spécialisation de la part de l'étudiant qui suit des séminaires d'initiation à la recherche littéraire et, soit rédige un mémoire, soit exécute d'autres travaux de recherche sous la direction des professeurs du Département.

La durée des études de maîtrise est normalement de deux ans. Dans le cas de la maîtrise avec mémoire, elle comprend deux trimestres pour la scolarité (M.A. D), suivis de la rédaction du mémoire. Dans le cas de la maîtrise sans mémoire, la scolarité s'étend sur trois trimestres, suivis de la rédaction de trois travaux réalisés dans le cadre du FREN 698.

La Commission des admissions du Département peut accorder des dérogations au règlement des inscriptions à la Maîtrise en fonction du dossier de chaque étudiant.

Une partie de la scolarité (maximum de 6 crédits) peut être suivie dans un autre département de McGill qui offre des cours dans le domaine des Humanités de l'annuaire des Études supérieures et postdoctorales, ou dans une autre université, pourvu que les cours et séminaires y soient de même niveau que les

cours 600 ou 700 offerts par le Département. Dans tous les cas, l'étudiant doit obtenir l'autorisation du Directeur des études de 2e et 3e cycles et de la recherche, qui ne sera accordée que si les cours en question cadrent avec le programme d'études du candidat.

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

Ph. D.

Épreuve d'anglais

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

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

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

Programme

Le programme de Ph. D. comporte trois parties :

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

Scolarité

L'admission se fait normalement au niveau de Ph. D. II. Lorsqu'un candidat, par exception, est admis en Ph. D. I, sa scolarité pendant cette année est la même que pour l'année de M.A. I (voir ci-dessus).

Ph. D. II:

Trois séminaires au choix, ainsi que les Séminaires de doctorat 1 et 2 (FREN 710 et FREN 711) qui sont obligatoires.

Ph. D. III :

Élaboration du sujet de thèse (FREN 706, 0 crédit) et Examen préliminaire (FREN 707, 0 crédit).

Le projet de thèse est soumis au Comité des études de 2e et 3e cycles et de la recherche ; puis l'Examen préliminaire, qui consiste en la rédaction et la défense orale d'un document d'une cinquantaine de pages, a lieu à une date convenue entre les intéressés, devant un jury constitué d'au moins trois professeurs (le comité-conseil).

Ph. D. IV Thèse:

Le comité-conseil, constitué au moment de l'Examen préliminaire, comprend le directeur de thèse et deux autres professeurs. Le rôle de ce comité-conseil est de suivre d'aussi près que possible le travail du candidat et de discuter avec lui de l'orientation de ses recherches.

La soutenance de la thèse a lieu devant un jury composé de cinq ou sept membres votants : le représentant de l'unité d'enseignement (directeur ou délégué), directeur(s) de thèse, l'examineur de thèse interne, un autre membre de l'unité et un membre externe (qui ne fait pas partie de l'unité).

section 3.12.8.5: Maîtrise ès arts (M.A.) Langue et littérature françaises (avec mémoire) (45 crédits) (45 credits)

Les étudiants inscrits dans nos programmes de maîtrise sont détenteurs d'un baccalauréat avec spécialisation dans la discipline (ou l'équivalent). La maîtrise avec mémoire comprend deux trimestres de séminaires, à l'issue desquels les étudiants déposent un projet de mémoire dans le domaine de leur choix, puis consacrent leur deuxième année de programme à la rédaction du mémoire.

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

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

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

L'option en études sur les femmes et le genre (« Graduate Option in Gender and Women's Studies ») est un programme pluridisciplinaire offert aux étudiants qui remplissent en même temps toutes les exigences du programme de maîtrise avec mémoire du Département des littératures de langue française, de traduction et de création. En plus des deux cours obligatoires suivis au Département, les étudiants doivent suivre un cours de 3 crédits réservé aux étudiants de cette option. Parmi les cours au choix, les étudiants doivent suivre deux cours de 3 crédits chacun qui ont été approuvés par l'option et qui portent sur des questions reliées au genre et aux recherches et méthodologies féministes. Leur mémoire doit porter sur un sujet explicitement lié au genre ou aux études sur les femmes.

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

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

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

3.12.8.4 Professeurs du Département des littératures de langue française, de traduction et de création

Directrice

I. Daunais

Directrice des études du 1er cycle

J. Everett

Directeur Adjoint des études de 1er cycle

M. Diouf

Directeur des études de 2e et 3e cycles et de la recherche

A. Bernadet

Professeurs émérites

M. Angenot; G. Di Stefano; J.-P. Duquette; Y. Lamonde; F. Ricard; Y. Rivard.

Professeurs

M. Biron, F. Charbonneau; I. Daunais; D. Desrosiers; O. Dyens.

Professeurs agrégés

I. Arseneau; A. Bernadet; P. Brissette; M. Diouf; J. Everett; A. Farah; C. Leclerc.

Professeurs adjoints

A. Coussy; L. Ouellet Tremblay.

3.12.8.5 Maîtrise ès arts (M.A.) Langue et littérature françaises (avec mémoire) (45 crédits) (45 credits)

Mémoire (24 crédits)

FREN 699 (24) M.A. Thesis

Cours obligatoires (6 crédits)

FREN 696 (3) Élaboration projet de mémoire

FREN 697 (3) Méthodologie et théorie littéraires

Cours complémentaires (15 crédits)

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

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

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

3.12.8.6 Maîtrise ès arts (M.A.) Langue et littérature françaises (avec mémoire): études sur les femmes et le genre (45 crédits) (45 credits)**Mémoire (24 crédits)**

FREN 699	(24)	M.A. Thesis
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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 credits)**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 les connaissances dans le domaine. Enfin, la thèse doit être rédigée conformément aux normes d'expression universitaire et savante et de publication dans le domaine public.

Épreuve d'anglais

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

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

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

Cours obligatoires (3 crédits)

FREN 706	(0)	Élaboration du sujet de thèse
FREN 707	(0)	Examen préliminaire
FREN 710	(1.5)	Séminaire de doctorat 1
FREN 711	(1.5)	Séminaire de doctorat 2
FREN 790	(0)	Language Requirement

Cours complémentaires (6 ou 9 crédits)

6 ou 9 crédits de séminaires au choix de niveau 600 ou plus.

Cours optionnel (0 ou 3 crédits)

Les étudiants de doctorat peuvent obtenir un maximum de 3 crédits en suivant des cours hors du Département, que ce soit à McGill (cours décrits dans l'annuaire des Études supérieures et postdoctorales ('University Calendar of Graduate and Postgraduate Studies')) ou dans une autre université. L'étudiant qui choisit cette option doit obtenir l'autorisation du Directeur des études de 2e et 3e cycles et de la recherche, autorisation qui ne sera accordée que si les cours en question cadrent avec son programme d'études et sont du niveau approprié.

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

L'Option en études sur les femmes et le genre (« Graduate Option in Gender and Women's Studies ») est un programme pluridisciplinaire offert aux étudiants qui remplissent en même temps toutes les exigences du programme de doctorat du Département de langue et littérature françaises. En plus les cours obligatoires suivis au Département, les étudiants doivent suivre trois cours de 3 crédits chacun qui ont été approuvés par l'Option et qui portent sur des questions reliées au genre et aux recherches et méthodologies féministes. Leur thèse doit porter sur un sujet explicitement lié au genre ou aux études sur les femmes.

Thèse

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

Épreuve d'anglais

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

Peuvent être dispensés de cette épreuve les traducteurs professionnels et les étudiants qui ont fait des études antérieures dans des collèges ou des universités anglophones, à condition que leur programme ait comporté des cours donnés en anglais. Le fait d'avoir suivi un ou plusieurs cours de traduction ne suffit pas. Aucune dispense n'est automatique. Les demandes de dispense doivent être soumises par écrit au Comité des études de 2e et 3e cycles et de la recherche.

Cours obligatoires (9 crédits)

FREN 706	(0)	Élaboration du sujet de thèse
FREN 707	(0)	Examen préliminaire
FREN 710	(1.5)	Séminaire de doctorat 1
FREN 711	(1.5)	Séminaire de doctorat 2
FREN 790	(0)	Language Requirement
WMST 601	(3)	Feminist Theories and Methods
WMST 602	(3)	Feminist Research Symposium

Cours complémentaires (3 crédits)

Un séminaire (3 crédits) au choix de niveau 500 ou plus parmi les séminaires du Département qui ont été approuvés par l'option et qui portent sur les femmes et le genre. Ce cours ne peut pas être suivi à l'extérieur du Département.

3.12.9 Geography

3.12.9.1 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

3.12.9.2 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 Hirschfeld Geographic Information Centre, maintains the *McGill Arctic Research Station* (Axel Heiberg 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 regions ranging from the Arctic to Africa, Southeast Asia, and Latin America.

Being both a natural and a social science, geography provides a unique opportunity to obtain a broad interdisciplinary exposure to modes of analyzing the many environmental and situational problems of contemporary society. Because of this, a geography degree is a fantastic opportunity to obtain a career in one of a diverse range of fields. Our students have gone on to become United Nations field researchers in Laos, environmental consultants in Toronto, science teachers in the U.S., geography professors in many parts of the world, UNHCR volunteers in Malaysia, policy analysts, and physical scientists in government agencies and research councils, as well as health and social policy researchers in Montreal...the list goes on! If you're on Facebook, look for *McGill Geography Alumni* or *visit our website* to learn more about the advantages of having a geography degree from McGill!

Master's degrees in both the physical (M.Sc.) and social (M.A.) sciences are offered by Geography. The core of both programs for all students is field-based research supervised by a faculty member, culminating in a thesis. The core program consists of the thesis component, required, and complementary graduate (500- or 600-level) courses.

Geography also offers in association with other McGill departments and programs a number of M.A. and M.Sc. options that students may choose to follow. Students must pass the courses specified for their program, attend such additional courses as the Chair and the student's thesis supervisor see fit, and submit a thesis in an appropriate area of geographical inquiry approved by the adviser.

McGill Northern Research Stations

The *McGill Sub-Arctic Research Station* is located in Schefferville, in the centre of Quebec-Labrador. Facilities exist for research in most areas of physical and some areas of human geography in the subarctic.

McGill University also operates a *field station* at Expedition Fiord on Axel Heiberg Island in the High Arctic. Facilities are limited to a small lab, dorm building, and cookhouse. Research activities focus on the glacial and geological. For additional information on these stations, contact the Graduate Program Coordinator at grad.geog@mcgill.ca.

Master of Arts (M.A.) Programs in Geography

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

[section 3.12.9.5: Master of Arts \(M.A.\) Geography \(Thesis\) \(45 credits\)](#)

Master's degrees in both the physical (M.Sc.) and social (M.A.) sciences are offered by Geography. The core of both programs for all students is field-based research, supervised by a faculty member, culminating in a thesis. The core program consists of the thesis component, required, and complementary graduate

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 (NEO) is a research-based option for master's or Ph.D. students offered in association with several University departments, the *Bieler School of Environment*, and the *Smithsonian Tropical Research Institute* (STRI-Panama). The option includes a thesis; required courses in Geography, Environment, and Biology; and complementary courses chosen from Geography, Agriculture Sciences, Biology, Sociology, Environment, and Political Science. NEO is aimed at students who wish to focus their graduate research on environmental issues relevant to the Neotropics and Latin American countries. NEO favours interdisciplinary approaches to research and learning through the participation of researchers from McGill and from STRI. Students will complete their research in Latin America and NEO's core and complementary courses will be taught in Panama. NEO's educational approach seeks to facilitate a broader understanding of tropical environmental issues and the development of skills relevant to working in the tropics.

Master of Science (M.Sc.) Programs in Geography

Detailed program requirements for the following M.Sc. programs are found in [Science](#) > [Graduate](#) > [Browse Academic Units & Programs](#) > [Geography](#).

section 15.12.6.5: Master of Science (M.Sc.) Geography (Thesis) (45 credits)

Master's degrees in both the physical (M.Sc.) and social (M.A.) sciences are offered by Geography. The core of both programs for all students is field-based research, supervised by a faculty member, culminating in a thesis. The core program consists of the thesis component, required, and complementary graduate (500- or 600-level) courses. Geography also offers a number of M.A. and M.Sc. options in association with other McGill departments and programs that students may choose to follow.

section 15.12.6.6: Master of Science (M.Sc.) Geography (Thesis): Environment (45 credits)

The Environment option is offered in association with the *Bieler School of Environment* (BSE) and is composed of a thesis component; required Geography and Environment courses; and complementary Geography and Environment courses. The graduate option in Environment provides students with an appreciation for the role of science in informed decision-making in the environmental sector, and its influence on political, socio-economic, and ethical judgments. Students who have been admitted through their home department or Faculty may apply for admission to the option. Option requirements are consistent across academic units. The option is coordinated by the MSE, in partnership with participating academic units.

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

The McGill-STRI Neotropical Environment Option (NEO) is a research-based option for master's students offered in association with several university departments, the *Bieler School of Environment*, and the *Smithsonian Tropical Research Institute* (STRI-Panama). The option includes a thesis; required courses in Geography, Environment, and Biology; and complementary courses chosen from Geography, Agriculture Sciences, Biology, Sociology, Environment, and Political Science. NEO is aimed at students who wish to focus their graduate research on environmental issues relevant to the Neotropics and Latin American countries. NEO favours interdisciplinary approaches to research and learning through the participation of researchers from McGill and from STRI. Students will complete their research in Latin America and NEO's core and complementary courses will be taught in Panama. NEO's

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 examination, a required Methods of Geographical Research course, and a minimum of two complementary courses.

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

The Environment option consists of the thesis and comprehensive examination; required courses from Geography and Environment; and complementary courses in Environment or other fields recommended by the research committee and approved by the Environment Option Committee. The graduate option in Environment provides students with an appreciation for the role of science in informed decision-making in the environmental sector, and its influence on political, socio-economic, and ethical judgments. Students who have been admitted through their home department or faculty may apply for admission to the option. Option requirements are consistent across academic units. The option is coordinated by the *Bieler School of Environment*, in partnership with participating academic units.

section 3.12.9.12: Doctor of Philosophy (Ph.D.) Geography: Gender and Women's Studies

This doctoral option is an interdisciplinary program for students who meet the degree requirements in Geography and who wish to earn 9 credits of approved coursework on gender and women's studies and issues in feminist research and methods. It includes a thesis centrally related to gender and/or women's studies; the comprehensive examination; required courses in Geography and Women's Studies; and complementary courses, one of which must pertain to gender and/or women's issues.

section 3.12.9.13: Doctor of Philosophy (Ph.D.) Geography: Neotropical Environment

The McGill-STRI Neotropical Environment Option (NEO) is a research-based option for Ph.D. students offered in association with several university departments, the *Bieler School of Environment*, and the *Smithsonian Tropical Research Institute* (STRI-Panama) and includes the thesis; comprehensive examination; required courses in Geography, Environment, and Biology; and complementary courses chosen from Geography, Agriculture Sciences, Biology, Sociology, Environment, and Political Science. NEO is aimed at students who wish to focus their graduate research on environmental issues relevant to the Neotropics and Latin American countries. NEO favours interdisciplinary approaches to research and learning through the participation of researchers from McGill and from STRI. Students will complete their research in Latin America and NEO's core and complementary courses will be taught in Panama. NEO's educational approach seeks to facilitate a broader understanding of tropical environmental issues and the development of skills relevant to working in the tropics.

3.12.9.3 Geography Admission Requirements and Application Procedures**3.12.9.3.1 Admission Requirements****M.A. and M.Sc. Degrees**

Applicants not satisfying the conditions in [University Regulations & Resources > Graduate > section 1.4: Graduate Admissions and Application Procedures](#), but with primary undergraduate specialization in a cognate field, may be admitted to the M.A. or M.Sc. degree in Geography in certain circumstances. In general, they, and others who have deficiencies in their preparation but are otherwise judged to be acceptable, will be required to register for a Qualifying program or to undertake additional courses.

Ph.D. Degree

Students who have completed a master's degree in Geography or a related discipline (with high standing) may be admitted at the Ph.D. 2 level.

On rare occasions, a student may be admitted to the Ph.D. degree without having first taken the master's degree. These students, and others who have deficiencies in their preparation but are otherwise acceptable, will be required to register for a year of coursework and/or be required to take extra courses. The normal duration of a program, including field work where required, is three years.

Normally, the Department will restrict admission to the Ph.D. program to students prepared to work in one of the fields of human or physical geography in which specialized supervision is offered. These fields, which cover a wide range of systematic areas, are listed in documents available from the Department.

English Language Proficiency

For graduate applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized Canadian or American (English or French) institution or from a recognized foreign institution where English is the language of instruction, documented proof of English proficiency is required prior to admission. For a list of acceptable test scores and minimum requirements, visit mcgill.ca/gradapplicants/international/proficiency

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 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.

3.12.9.11 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
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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.

3.12.9.12 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
WMST 601 (3) Feminist Theories and Methods
WMST 602 (3) Feminist Research Symposium

Complementary Courses

Two substantive courses.

One of these two courses must be taken within the Department of Geography at the 500 level or above; one of the two courses must be on gender/women's issues at the 500, 600, or 700 level.

3.12.9.13 Doctor of Philosophy (Ph.D.) Geography: Neotropical Environment

The Neotropical Option is offered in association with several University departments, the Bieler School of Environment, and the Smithsonian Tropical Research Institute (STRI-Panama) and includes the thesis, comprehensive examination, required courses (9 credits) in Geography, Environment and Biology, and complementary courses (3 credits) chosen from Geography, Agriculture Sciences, Biology, Sociology, Environment, and Political Science.

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

Thesis

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
GEOG 631 (3) Methods of Geographical Research

GEOG 700	(0)	Comprehensive Examination 1
GEOG 701	(0)	Comprehensive Examination 2
GEOG 702	(0)	Comprehensive Examination 3

Elective Courses

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

3.12.10 History and Classical Studies

3.12.10.1 Location

Department of History and Classical Studies
 Stephen Leacock Building, 7th floor
 855 Sherbrooke Street West
 Montreal QC H3A 2T7
 Canada
 Telephone: 514-398-2844
 Email: graduate.history@mcgill.ca
 Websites :
 History – mcgill.ca/history/graduate
 Classics – mcgill.ca/classics/graduate-studies

3.12.10.2 About History and Classical Studies

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

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

and newer fields such as:

- the history of gender and sexuality;
- the history of the Atlantic and Indian Ocean worlds;
- global history.

The Department offers interdisciplinary options in developmental studies and women's studies at the M.A. level. The Department is composed of 40 full-time faculty members as well as a strong complement of visiting professors, faculty lecturers, and postdoctoral fellows. This array of dedicated teachers and scholars supports high-quality instruction and research across the periods of history and regions of the globe. Our professors have won many prizes for their books and articles, and their ongoing investigations are supported by the *Social Sciences and Humanities Research Council of Canada* (SSHRC), the FRQSC, CFI, the Killam Trusts, and the Mellon Foundation. The Department is home to a number of major collaborative research projects, all of which also include students. Among these are the Montreal History Group; the *Indian Ocean World Centre* (IOWC); *Quelques arpents de neige*, an environmental history group; and the French Atlantic History Group.

Classics was among the first disciplines taught at McGill College. Our students benefit from the resources of closely related disciplines and draw on the academic expertise of scholars from various backgrounds. Many awards and prizes are available for students who excel in the classroom, and both undergraduates and graduates can join professors on study tours and field projects. Students can also become members of the Classics Students Association and publish their work in the McGill Journal of Classical Studies, aptly titled *Hirundo*—Latin for “swallow,” like the martlets found on the McGill coat-of-arms, ever soaring in search of knowledge.

We offer prospective students the chance to study with leading scholars in a variety of fields.

Refer to the Department of [History and Classical Studies website](#) for detailed regulations and information.

M.A Degrees in History

The M.A. program is built around a 3-credit, co-taught Research Seminar, which is required of all incoming students, as well as complementary courses. A range of dedicated but rotating 600-level complementary courses will be offered each year, reflecting areas of interest among the Department's faculty. Besides coursework, students will produce a thesis under the supervision of one or more faculty members. The program will significantly hone students' skills in research, critical thinking, and analytical writing. It can be taken in preparation for a possible Ph.D. program or for a wide range of non-academic career options. The program is designed to be completed in one year, but may be extended into a second year. Students can earn their degree in History alone, or with an interdisciplinary concentration in Gender and Women's Studies or in Development Studies. (In the case of the Development Studies

concentration, acceptance 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 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. In the case of the Development Studies concentration, acceptance in the History M.A. program does not automatically entail acceptance in the concentration.

section 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.

section 3.12.10.8: Doctor of Philosophy (Ph.D.) History

The Ph.D. in History is a professional degree program that prepares students for participation in the academy as historians. They gain competence in historical methods and good control over at least three fields of study. The dissertation is a work of primary research that makes a significant contribution to knowledge. **Candidates in the field of Medical History** will prepare the major field for the comprehensive examination with a member of the Department of Social Studies of Medicine and the two minor fields with members of the Department of History and Classical Studies. The thesis will normally be directed by the director of the major field. In all other respects, the same rules will apply to candidates in this area as apply to other Ph.D. students in History.

Degrees in Classics

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

The M.A. in Classics offers advanced training in the scholarly discipline of classical studies in a variety of fields. The thesis program emphasizes proficiency both in technical areas of the discipline, especially Greek and Latin language, and in critical reading, writing, and research skills. The McGill M.A. in Classics is designed to prepare students to enter doctoral programs and, eventually, an academic career in any of the related fields of classical studies. Graduates have also pursued successful careers in teaching, law, museum science, and branches of civil service. This program can be completed in one year, though it is normally completed in two years.

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

The M.A. in Classics offers advanced training in the scholarly discipline of classical studies in a variety of fields. The non-thesis program aims to develop proficiency both in technical areas of the discipline, especially Greek and Latin language, and in critical reading, writing, and research skills to prepare students to enter doctoral programs in any of the related fields of classical studies. This option is designed for students who need to strengthen their proficiency in ancient languages and other aspects of classical studies and places greater emphasis on graduate coursework. This option is normally completed in two years.

3.12.10.3 History and Classical Studies Admission Requirements and Application Procedures

3.12.10.3.1 Admission Requirements

A minimum cumulative grade point average (CGPA) of 3.3 on 4.0 is required, as well as a minimum *TOEFL* score of 86 on the Internet-based test (iBT), with each component score no less than 20.

Master in History

- a. Normally, candidates are required to possess a B.A. (Honours) in History consisting of 60 credits in history. But students with other undergraduate history degrees (normally including serious research components) may be considered eligible.
- b. A minimum CGPA of 3.3 out of 4.0 (B+) in your undergraduate degree is required.

Master in History – Development Studies Option

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

Master 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)
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 Krapfl; 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 level, selected as follows:

3 credits on gender-related issues;

Up to 6 credits of non-HIST courses may be taken outside the Department.

Credits at the 500 level are normally to be taken as 3-credit courses.

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

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

Required Courses

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

Complementary Courses

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

Language Requirement

Ph.D. candidates must offer one foreign language for examination purposes. Candidates may need a reading knowledge of such other languages as are required for research purposes in their major field. The Department expects that candidates will have successfully demonstrated competence in the one required language by the end of their Ph.D. 3 year.

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

The M.A. in Classics (Thesis) emphasizes the writing of a major research project. This program is designed for students who are already highly proficient in ancient languages, have a strong foundation in classical studies, and can work independently. This program is designed to be completed in three terms, though many students prefer to complete it in two years.

Thesis Courses (24 credits)

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

Required Courses (6 credits)

CLAS 500	(3)	Classics Seminar
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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 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.

3.12.11 Information Studies

3.12.11.1 Location

School of Information Studies
3661 Peel Street
Montreal QC H3A 1X1
Canada
Telephone: 514-398-4204
Fax: 514-398-7193
Email: sis@mcgill.ca; for inquiries: admissions.sis@mcgill.ca
Website: mcgill.ca/sis

3.12.11.2 About Information Studies

The School of Information Studies (SIS) is a dynamic teaching and research unit engaged in the education of information professionals and scholars. The School educates individuals who make a difference in the management and design of information resources, services, and systems, finding better ways to manage, organize, access, disseminate, use, and preserve information and recorded knowledge from a human-centred perspective. As the pioneer school of its kind in Canada, SIS has been offering programs at McGill since 1897, with continuous accreditation of professional programs by the American Library Association (ALA) since 1929.

The School offers programs at the graduate level, including a Master of Information Studies and Ph.D. in Information Studies. For more information about current program offerings, please visit the School's website at mcgill.ca/sis/programs.

Research at the School is conducted in the broad domain of human-information interaction (HII), which includes three research areas:

- human-computer interaction
- information behaviour and services
- information and knowledge management

Research projects address such topics as data mining, digital curation, information classification, information preservation, knowledge management, multisensory information, and user experience.

For complete information about the School of Information Studies, please see the School's website at mcgill.ca/sis.

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

The Master of Information Studies (Non-Thesis): Course Work is accredited by the American Library Association. The program focuses on the intellectual foundations for careers as information professionals, competencies in managing information and knowledge resources, equal access to information, the appropriate use of technology in meeting information needs, research in the field of library and information studies, and commitment to professional service for individuals, organizations and society.

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

The Master of Information Studies – Project is a non-thesis program with a major research project, designed to prepare graduates for the broad field of information studies. The program is comprised of a set of required courses, a research component, and additional courses from areas of interest including: library studies, knowledge management, information and computer technologies, and archival studies, among others. The program provides the intellectual foundations for careers as information professionals; fosters competencies in managing information and knowledge resources; promotes the appropriate use of technology in meeting information needs; advocates the ideal of equal access to information; encourages research in the field of library and information studies; and cultivates commitment to professional service for individuals, organization, and society. After completion of the degree, students may choose

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**3.12.11.3.1 Admission Requirements****Master of Information Studies (M.I.St.)**

1. Applicants must have a bachelor's degree from a recognized university. The applicant must present evidence of academic achievement: a minimum standing equivalent to a "McGill" cumulative grade point average (CGPA) of 3.0 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.



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.

- 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

- 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.

- 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

- 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.
- 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

- 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.
- 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.

3.12.11.3.2 Application Procedures

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

3.12.11.3.2.1 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.

3.12.11.3.3 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the School of 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.

	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. 30	Jan. 15	Jan. 15	Jan. 15
Winter Term (Graduate Certificates only):			Oct. 1*	Oct. 1*
Summer Term:	N/A	N/A	N/A	N/A

* Winter term applications are open exclusively for Graduate Certificate programs.

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

3.12.11.4 Information Studies Faculty

Director

Kimiz Dalkir

Professors

Colleen Cook

Associate Professors

Joan Bartlett; France Bouthillier; Kimiz Dalkir; M. Max Evans; Ilja Frissen; Benjamin Fung; Catherine Guastavino; Karyn Moffatt.

Assistant Professors

Rebekah Willson; Gracen Brilmyer.

Sessional Lecturers

Maxime Beaulieu; Gordon Burr; Lidia Kruk; Daniela Oliveira; Anton Stiglic.

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

Revision, July 2022. Start of revision.

The Master of Information Studies (Non-Thesis): Course Work is accredited by the American Library Association. The program focuses on the intellectual foundations for careers as information professionals, competencies in managing information and knowledge resources, equal access to information, the appropriate use of technology in meeting information needs, research in the field of library and information studies, and commitment to professional service for individuals, organizations and society.

Required Courses (18 credits)

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

Complementary Courses (18-30 credits)

INFS 608	(3)	Classification and Cataloguing
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INFS 609	(3)	Metadata and Access
INFS 612	(3)	History of Books and Printing
INFS 614	(3)	Public Libraries
INFS 615	(3)	Reference and Information Services
INFS 616	(3)	Information Retrieval
INFS 626	(3)	Usability Analysis and Assessment
INFS 627	(3)	User-Centered Design
INFS 629	(3)	Information Security
INFS 630	(3)	Data Mining
INFS 633	(3)	Digital Media
INFS 634	(3)	Web System Design and Management
INFS 636	(3)	Government Information
INFS 639	(3)	Introduction to Museology
INFS 641	(3)	Archival Description and Access
INFS 642	(3)	Preservation Management
INFS 644	(3)	Descriptive Bibliography
INFS 645	(3)	Archival Principles and Practice
INFS 649	(3)	Digital Curation.
INFS 650	(3)	Digital Libraries
INFS 655	(3)	Language and Information
INFS 656	(3)	Abstracting and Indexing
INFS 657	(3)	Database Design and Development
INFS 660	(3)	Enterprise Content Management
INFS 661	(3)	Knowledge Management.
INFS 662	(3)	Intellectual Capital.
INFS 663	(3)	Knowledge Taxonomies
INFS 664	(3)	Managing Knowledge Communities
INFS 665	(3)	Competitive Intelligence
INFS 671	(3)	Health Sciences Information
INFS 672	(3)	Law Information
INFS 673	(3)	Bioinformatics Resources.
INFS 679	(3)	Information Literacy
INFS 688	(6)	Independent Study.
INFS 688D1	(3)	Independent Study
INFS 688D2	(3)	Independent Study.
INFS 689	(3)	Selected Topics
INFS 690	(3)	Information Policy.
INFS 691	(3)	Special Topics 1.
INFS 692	(3)	Special Topics 2
INFS 693	(3)	Special Topics 3
INFS 699	(3)	Practicum

Elective Courses (0-12 credits)

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

Elective courses must be approved by the student's adviser and the Graduate Program Director.

Revision, July 2022. End of revision.

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

Revision, July 2022. Start of revision.

The Master of Information Studies Non-Thesis: Project, accredited by the American Library Association, is a 48-credit program, with a research project component of 15 credits. The program focuses on the intellectual foundations for careers as information professionals, competencies in managing information and knowledge resources, equal access to information, the appropriate use of technology in meeting information needs, research in the field of library and information studies, and commitment to professional service for individuals, organizations and society.

Required Courses (33 credits)

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

Research Courses

INFS 603	(6)	Research Project 1
INFS 604	(3)	Research Project 2
INFS 605	(6)	Research Project 3
INFS 605D1*	(3)	Research Project 3
INFS 605D2*	(3)	Research Project 3.

* either INFS 605 or INFS 605 D1/D2.

Complementary Courses

3-15 credits from the following:

INFS 608	(3)	Classification and Cataloguing
INFS 609	(3)	Metadata and Access
INFS 612	(3)	History of Books and Printing
INFS 614	(3)	Public Libraries
INFS 615	(3)	Reference and Information Services
INFS 616	(3)	Information Retrieval
INFS 626	(3)	Usability Analysis and Assessment
INFS 627	(3)	User-Centered Design
INFS 629	(3)	Information Security
INFS 630	(3)	Data Mining
INFS 633	(3)	Digital Media
INFS 634	(3)	Web System Design and Management
INFS 636	(3)	Government Information
INFS 639	(3)	Introduction to Museology
INFS 641	(3)	Archival Description and Access
INFS 642	(3)	Preservation Management

INFS 644	(3)	Descriptive Bibliography
INFS 645	(3)	Archival Principles and Practice
INFS 649	(3)	Digital Curation.
INFS 650	(3)	Digital Libraries
INFS 655	(3)	Language and Information
INFS 656	(3)	Abstracting and Indexing
INFS 657	(3)	Database Design and Development
INFS 660	(3)	Enterprise Content Management
INFS 661	(3)	Knowledge Management.
INFS 662	(3)	Intellectual Capital.
INFS 663	(3)	Knowledge Taxonomies
INFS 664	(3)	Managing Knowledge Communities
INFS 665	(3)	Competitive Intelligence
INFS 671	(3)	Health Sciences Information
INFS 672	(3)	Law Information
INFS 673	(3)	Bioinformatics Resources.
INFS 679	(3)	Information Literacy
INFS 689	(3)	Selected Topics
INFS 690	(3)	Information Policy.
INFS 691	(3)	Special Topics 1.
INFS 692	(3)	Special Topics 2
INFS 693	(3)	Special Topics 3
INFS 696	(0)	
INFS 699	(3)	Practicum

Elective Courses (0-12 credits)

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

Elective courses must be approved by the student's adviser and the Graduate Program Director.

Revision, July 2022. End of revision.

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

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

Thesis

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

Required Courses (12 credits)

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

GLIS 705	(3)	Readings in Information Studies
INFS 701	(0)	Comprehensive Examination

INFS 702	(3)	Seminar in Information Studies
INFS 703	(3)	Research Paradigms in Information Studies.
INFS 704	(3)	Research Design in Information Studies.

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

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

The Graduate Certificate in Cybersecurity is an online program that focuses on the fundamental concepts of cybersecurity: threats, cryptography, and vulnerability; the types of cyber-attacks, how they are implemented, and commonly-used hardening techniques and controls; threat and risk assessments at the network system, operating system, and software application levels; the security readiness of an organization; cybersecurity incidents and how to communicate them within an organization; policies to meet current security standards for an organization to adopt; ethical concerns in terms of security, privacy, and information guidelines and policies within national and international contexts. While majority of the course components will be delivered asynchronously, a very small number of activities may require students to perform synchronously.

Required Courses (15 credits)

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 archives. The graduate courses in the program will focus on principles of organization of information, practices in archival studies, and strategies for digital curation and enterprise content management. This is an entry-level, graduate program that may lead to another graduate certificate or to the M.I.St. program, however, none of the courses taken in the graduate certificate can be credited towards the M.I.St. program once a graduate certificate has been completed.

Required Courses (6 credits)

GLIS 607	(3)	Organization of Information
GLIS 649	(3)	Digital Curation

Complementary Courses (9 credits)

chosen from the following:

GLIS 609	(3)	Metadata & Access
GLIS 633	(3)	Digital Media
GLIS 641	(3)	Archival Description and Access
GLIS 642	(3)	Preservation Management
GLIS 645	(3)	Archival Principles and Practice
GLIS 657	(3)	Database Design and Development
GLIS 660	(3)	Enterprise Content Management

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

The Graduate Certificate in Information Architecture and Design is intended to prepare students to work as information architects and designers. The graduate courses in the program will prepare students to design and assess information systems (text, multimedia), databases, websites, and interfaces. Techniques for data mining and issues related to information security are also covered. This is an entry-level graduate program that may lead to another certificate or to the M.I.St. (Master of Information Studies).

Required 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 program will focus on the information behavior of individuals, networks and organizations, and the nature of tacit and explicit knowledge services and strategies for identifying, capturing, organizing, storing, sharing, and using knowledge throughout the IM/KM lifecycle in order to learn and improve. Tools and techniques for codifying knowledge and facilitating collaboration in networks are also covered. This is an entry-level, graduate program that may lead to another graduate certificate or to the M.I.St. program, however, none of the courses taken in the graduate certificate can be credited towards the M.I.St. program once a graduate certificate has been completed.

Required Courses (6 credits)

GLIS 619	(3)	Information Behaviour and Resources
GLIS 661	(3)	Knowledge Management

Complementary Courses (9 credits)

chosen from the following:

GLIS 607	(3)	Organization of Information
GLIS 620	(3)	Managing Information Organizations
GLIS 662	(3)	Intellectual Capital
GLIS 663	(3)	Knowledge Taxonomies
GLIS 664	(3)	Knowledge Networks
GLIS 665	(3)	Competitive Intelligence

3.12.11.12 Graduate Certificate (Gr. Cert.) Library and Information Studies (15 credits)**Complementary Courses**

9-15 credits, three to five GLIS courses chosen in consultation with the student's adviser with the exception of the following courses:

GLIS 605	(6)	Research Project 3.
GLIS 605D1	(3)	Research Project 3
GLIS 605D2	(3)	Research Project 3.
GLIS 689	(3)	Selected Topics
GLIS 696D1	(6)	Research Paper 2

GLIS 696D2

(6)

Research Paper 2

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

The Institute for the Study of International Development (ISID) is an interdisciplinary institute in the Faculty of Arts with over 40 members from various faculties. It also works with an international community of scholars, development groups, and the public. Interdisciplinary research sponsored by ISID revolves around three themes: poverty and inequality; governance and society; and environment and sustainability. It organizes seminars and conferences on development issues related to these themes.

Graduate students can register in the Development Studies Option (DSO), a cross-disciplinary M.A. program in which six departments participate:

- [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](#)

Further information about this option is available from each of these departments, as well as on the [ISID website](#).

3.12.12.3 International Development Admission Requirements and Application Procedures

3.12.12.3.1 Admission Requirements

Students will **only** be considered for the **Development Studies Option** (DSO) once they have been accepted into a master's program in one of the six participating departments (Anthropology, Economics, Geography, History, Political Science, and Sociology) at McGill.

3.12.12.3.2 Application Procedures

Students applying through a participating department must indicate in their application that they want to be considered for the DSO. Final approval on admission to the DSO will be made once the files of successful departmental applicants have been received at ISID.

3.12.12.3.3 Application Dates and Deadlines

The DSO is a cross-disciplinary program. Please see the application deadlines for the master's program in one of the six participating departments:

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

Departmental contact info is also available at mcgill.ca/gps/contact/graduate-program.

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/apply.

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

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 Gürbüzcel.

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
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Complementary Courses (18 credits)

With the approval of the student's supervisor, courses taken with an IIS faculty member or an associate member in other departments (i.e., History, Anthropology, and Political Science) can count toward the coursework requirements in the same way as ISLA courses.

With permission of the Institute, up to 6 credits from other departments at McGill or other educational institutions can be used.

3 credit seminar course at the 600 or 700 level.

15 credits of ISLA courses at the 500, 600, or 700 level.

Language Requirement

Students must demonstrate proficiency in Arabic or Persian at the second-year level as evidenced by completion of ISLA 622D1/D2 or ISLA 642D1/D2, respectively, or by an examination administered by the Institute.

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

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

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

WMST 602	(3)	Feminist Research Symposium
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or a 3-credit course, at the 500 level or higher, in gender/women's issues.

9 credits of ISLA courses at the 500 level or higher.

With permission of the Institute, up to 3 credits of these 9 credits of Complementary Courses may be chosen from departments at McGill or other educational institutions.

With the approval of the student's supervisor, courses taken with an IIS faculty member or an associate member in other departments (i.e., History, Anthropology, Political Science) can count toward the coursework requirements in the same way as ISLA courses.

Language Requirement

Students must demonstrate proficiency in Arabic or Persian at the second-year level as evidenced by completion of ISLA 622D1/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 requirements will not be credited towards the course requirements.

3.12.13.7 Doctor of Philosophy (Ph.D.) Islamic Studies**Thesis**

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

Required Course (3 credits)

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

Complementary Courses (27 credits)

27 credits of courses at the 500 level or higher, including 6 credits at the 600 or 700 level of seminars offered by the Institute of Islamic Studies.

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

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

With the approval of the student's supervisor, courses taken with an IIS faculty member or an associate member in other departments (i.e., History, Anthropology, Political Science) can count toward the coursework requirements in the same way as ISLA courses.

To avoid over-specialization, a maximum of 9 credits of content courses (i.e., courses that are not primarily devoted to language instruction) can be taken with a single Institute professor.

Language Requirements

All Ph.D. students are required to have completed three years of Arabic language or Persian language study at the IIS. Students who do not take the third level of Arabic at the Institute may demonstrate their competence by taking a proficiency examination set by the academic staff of the IIS.

In addition to Arabic or Persian, all Ph.D. students are required to have completed the equivalent of two years of language study at the IIS of another Islamic language. They may demonstrate competence in this language by taking a proficiency examination set by the academic staff of the IIS. Students are, of 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: Master of Arts (M.A.) Jewish Studies (Non-Thesis) (45 credits)

This program is aimed at students who have acquired some background in Jewish studies through their B.A. and who wish to add to their knowledge without having to concentrate on one period or discipline within the broad field of Jewish civilizational studies. Students may take courses in related disciplines outside of Jewish Studies, if appropriate. The degree is normally completed within two years. Students must demonstrate good command of Yiddish or Hebrew prior to graduation. Subsequent career paths are varied, but could include work in Jewish communal agencies, Jewish schools, Jewish foundations, the rabbinate, or further graduate study in a related field.

Ph.D. in Jewish Studies

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

3.12.14.3 Jewish Studies Admission Requirements and Application Procedures**3.12.14.3.1 Admission Requirements**

Ideally, applicants would have completed a B.A. in Jewish Studies. If an applicant is otherwise deemed acceptable, it is possible to be admitted to a Qualifying year. Students seeking admission to the History of the Jewish Interpretation of the Bible stream must demonstrate competence in Hebrew prior to beginning the program.

In addition to the appropriate references, transcripts, and examination scores, applicants should send samples of their academic work in their field of interest. Personal interviews are strongly recommended.

English Language Proficiency

For graduate applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized Canadian or American (English or French) institution or from a recognized foreign institution where English is the language of instruction, documented proof of English proficiency is required prior to admission. For a list of acceptable test scores and minimum requirements, visit mcgill.ca/gradapplicants/international/proficiency.

3.12.14.3.2 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.

3.12.14.3.2.1 Additional Requirements

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

- Research Proposal
- Curriculum Vitae
- Written Work

3.12.14.3.3 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Jewish Studies and may be revised 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	Feb. 1	Feb. 1	Feb. 1
Winter Term:	Feb. 15	Sept. 10	Sept. 15	Sept. 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.

3.12.14.4 Jewish Studies Faculty**Chair**

Autumn: Yael Halevi-Wise

Winter: Eric Caplan

Graduate Program Director

Christopher Silver

Undergraduate Program Director

Urszula Madej-Krupitski

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 (30 credits)**

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

Required Course (3 credits)

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

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

Language Requirement

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

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

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

Required Courses (9 credits)

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

Complementary Courses (12 credits)

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

Language Requirement

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

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

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

Required Course (3 credits)

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

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

Jewish Thought (12-15 credits)

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

Jewish History (12-15 credits)

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

Jewish Literature (12-15 credits)

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

JWST 548	(3)	Medieval Parshanut
JWST 554	(3)	Modern Jewish Biblical Scholarship
JWST 571	(3)	Biblical Literature
JWST 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: Russian and Slavic Studies](#);

offer a vibrant research environment, combining the rigour of traditional philological inquiry with a range of other theoretical and methodological approaches, many of them informed and/or creatively challenged by broader transnational and interdisciplinary perspectives. The Department is committed to international standards of excellence in graduate student training.

3.12.15.2.1 Digital Humanities (*Ad Hoc*)

The Department of Languages, Literatures, and Cultures offers an *Ad Hoc* M.A. in Digital Humanities; please contact the Department for more information.

3.12.15.2.2 German Studies

Faculty research specializations in German Studies cover philology and literary history from the 18th century to the present, film and German media studies, history of the book, philosophy, intellectual history, and the history of the German Left. Students may specialize in literature, intellectual history, film, media, and/or digital humanities. Students in German Studies often spend time abroad in Germany and Austria and take part in conference and workshop organization. German Studies is connected with notable facilities and resources, including the [Moving Image Research Laboratory](#).

Ph.D. Language Tests

Ph.D. candidates in other disciplines who are required to pass a reading test in German may prepare themselves by taking GERM 200 or GERM 202.

[section 3.12.15.5: Master of Arts \(M.A.\) German \(Thesis\) \(45 credits\)](#)

Students enrolled in the M.A. with thesis option complete six 3-credit courses and write an M.A. thesis under the direction of one faculty member. Students enrolled in the thesis M.A. in German take fewer courses than non-thesis M.A. students and finish their program by conceiving and executing a substantial research project under the supervision of one professor. M.A. students in this track have gone on to do Ph.D. degrees in German and related fields, and pursue academic careers.

[section 3.12.15.6: Master of Arts \(M.A.\) German \(Non-Thesis\) \(45 credits\)](#)

Students enrolled in the M.A. with non-thesis option complete nine 3-credit courses and three research papers. This program is geared toward students who may or may not plan to do a Ph.D. in German and therefore do not necessarily need to undertake a major research project, but would like to acquire a broad basis of courses in German culture and media. Non-thesis M.A. students have gone on to pursue a variety of careers inside and outside the academy.

section 3.12.15.7: Doctor of Philosophy (Ph.D.) German

Students enrolled in the Ph.D. program in German Studies take courses in literature, film, and media history during their first two years, before designing a set of comprehensive qualifying exams tailored toward their particular research and future teaching interests. After passing their exams (including language examination(s)), students may develop a doctoral dissertation topic in consultation with a Departmental faculty member. Students enrolled in this program have gone on to teach German Studies and related fields in universities, CEGEPs, or high schools, as well as pursuing careers outside of the academy.

3.12.15.23 Hispanic Studies

Hispanic Studies is committed to the disciplined study of all aspects of the literature, intellectual history, and culture of Spain and Latin America, as well as the Spanish language. Currently, Hispanic Studies has two outstanding research areas:

- Colonial and Peninsular Baroque and Enlightenment, with a variety of intellectual and methodological approaches;
- Film and Literary Studies in contemporary Latin America and the Iberian Peninsula.

The program has an outstanding Media Resource Centre, whose collection of films and music has over 300 titles from Latin America and Spain, with media in Spanish, Portuguese, and English.

A limited number of language instructorships are available each year and those interested should apply c/o the Graduate Coordinator.

section 3.12.15.8: Master of Arts (M.A.) Hispanic Studies (Thesis) (45 credits)

****Currently, students are only admitted to the thesis option in exceptional circumstances.****

The combination of three courses and one Thesis Preparation course will permit these students the 12 credits per term average that is required for most fellowships.

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

The M.A. in Hispanic Studies; Non-Thesis focuses on advanced training in the field of Hispanic Studies. It provides a rigorous foundation on the literary and cultural history of the Iberian Peninsula and Latin America from a multidisciplinary perspective.

All candidates pursuing the M.A. without thesis, both full- and part-time, must successfully complete at least one of their Guided Research projects during the first 12 months. In accordance with the regulations established by Graduate and Postdoctoral Studies, students in non-thesis programs who do not take at least 12 credits per term for the duration of the program are considered to proceed toward their degree on a part-time basis.

section 3.12.15.10: Doctor of Philosophy (Ph.D.) Hispanic Studies

Students enrolled in the Ph.D. program in Hispanic Studies take courses in literature, film, and intellectual history during their first year, before preparing the comprehensive qualifying exams. After passing their exams, students may develop a doctoral dissertation topic in consultation with a Departmental faculty member. Students enrolled in this program have gone on to teach Hispanic Studies and related fields in universities and CEGEPs, as well as pursuing some careers outside of the academy.

3.12.15.24 Italian Studies

Italian Studies' current areas of expertise and methodological orientations are broadly indicated below. Prospective applicants should also consult individual faculty members' research profiles on the Departmental website for more detailed information. They are also invited to send research inquiries to individual professors.

- 19th, 20th, and 21st century narrative;
- Medieval and Renaissance literature and culture;
- Italian cinema from post-World War II neorealism to the present.

These areas are approached from the perspective of:

1. relations with historical, social, and political contexts;
2. intertextual relations with contemporary and antecedent works and movements in other European literatures and cultures, with a special attention to questions of identity construction;
3. gender issues; and
4. cultural studies.

Master's Programs

The coursework and the thesis and/or research papers must demonstrate that the student possesses a sound knowledge of the language, is familiar with all periods of Italian literature, and has developed the background and skills necessary to carry out scholarly research.

The regulations concerning the M.A. degree are as stated in [University Regulations & Resources](#) > Graduate.

Ph.D. (Ad Hoc)

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

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. The candidate for admission must have an aptitude for research work and be able to make an original contribution to knowledge. Particular emphasis is placed on working with the original language; credits may be allotted, at the discretion of the Department, to coursework leading to advanced proficiency in this area.

Ph.D. Language Tests

Ph.D. candidates in other departments who require Russian for research and in satisfaction of the language requirement should contact the Department for recommended courses.

Original research work and the scholarly qualities of the thesis are the principal criteria for conferring a graduate degree in Russian.

section 3.12.15.13: Master of Arts (M.A.) Russian (Thesis) (45 credits)

The M.A. in Russian and Slavic Studies consists of coursework plus a research component, including an M.A. thesis proposal and an M.A. thesis. Candidates for admission into the program are normally expected to arrive with a solid background in Russian literature and culture or the equivalent in literary, cultural or media studies.

section 3.12.15.14: Doctor of Philosophy (Ph.D.) Russian

The Ph.D. in Russian and Slavic Studies consists of coursework, multiple examinations, language requirements, and a dissertation. It offers graduate instruction (seminar and guided independent reading courses) as well as research and thesis supervision in the fields of Russian culture and literature. Students also take graduate courses offered in the Department of Languages, Literatures, and Cultures in literary theory, film, and media that allow for broader transnational and interdisciplinary perspectives in their research.

Students are encouraged and helped to participate in conferences and to publish the results of their ongoing research. Particular emphasis is laid on working with the original language. Doctoral dissertation topics are developed in consultation with the faculty. Graduates from the program have gone on to careers in teaching in Canadian and international universities and institutions, as well as exploring other related fields.

3.12.15.3 Languages, Literatures, and Cultures Admission Requirements and Application Procedures

3.12.15.3.1 Admission Requirements

TOEFL is required of all graduate studies applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone). A minimum score of 86, with each component score not less than 20, is required on the TOEFL Internet-based examination (iBT). Proof of TOEFL must be presented at the time of application or shortly thereafter. McGill University's institution code is 0935.

Students also have the option of taking the *IELTS* (International English Language Testing Service System) examination, for which the minimum score is an overall band average of 6.5 (academic module). McGill University accepts only scores submitted electronically by an IELTS test centre and no longer accepts paper TRFs (Test Report Forms) directly from test centres and candidates. Please contact the test centre where you took the IELTS test and request that your test scores be sent electronically to McGill. 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 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Languages, Literatures, and Cultures and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program.

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. 6	Jan. 6	Jan. 6
Winter Term:	Feb. 15	Aug. 14	Sept. 15	Sept. 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.

3.12.15.4 Languages, Literatures, and Cultures Faculty

Chair

Eugenio Bolongaro

Directors of Undergraduate Studies/Advisers

José R. Jouve-Martin (*Hispanic Studies*)

Eugenio Bolongaro (*Italian Studies*)

Daniel W. Pratt (*Russian Studies*)

Stephanie Posthumus (*European Literature and Culture*)

Tove Holmes (*German Studies*)

Katherine Zien (*Latin American and Caribbean Studies*)

Matteo Soranzo (*Liberal Arts*)

Directors of Graduate Studies

Karen Bauer (*German Studies*)

Laura Beraha (*Russian Studies*)

Matteo Soranzo (*Italian Studies*)

Jesus Perez-Magallon (*Hispanic Studies*)

Emeritus Professors

P.M. Daly; K.M. Sibbald; Pamela D. Stewart.

Professors

K. Bauer; J.R. Juvé-Martin; L. Parts; J. Pérez-Magallón; P. Peters; A. Piper.

Associate Professors

L. Beraha; E. Bolongaro; A. Holmes; T. Holmes; F. Macchi; S. Posthumus; C. Raynor; M. Soranzo.

Assistant Professors

D. Pratt; D. Schwartz.

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

Eight 3-credit courses (24 credits); with the approval of the Graduate Studies Committee, students are permitted to take a maximum of 6 credits in another department.

Language Requirement

French Language examination or Latin (if specializing in German Literature before 1600).

Original research leading to new insights is a prerequisite for the acceptance of a Ph.D. thesis.

As a rule, it will take a student at least three years after the M.A. degree to complete the requirements for the Ph.D. degree. Students who have not spent an appreciable length of time in a German-speaking country are advised to spend one year at a university in such a country, for which credit may be given in the above program.

3.12.15.8 Master of Arts (M.A.) Hispanic Studies (Thesis) (45 credits)

Required Courses (27 credits)

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

Complementary Courses (18 credits)

18 credits of graduate-level HISP courses.

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

The M.A. in Hispanic Studies; Non-Thesis focuses on advanced training in the field of Hispanic Studies. It provides a rigorous foundation on the literary and cultural history of the Iberian Peninsula and Latin America from a multidisciplinary perspective.

Required Course (3 credits)

HISP 603	(3)	Research Project Methodology
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Complementary Courses (42 credits)

Research Project

18 credits to be chosen from:

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

24 credits at the 500, 600, 700 level in Hispanic Studies courses and courses offered by the Department of Languages, Literatures, and Cultures. Students can take up to 6 credits in courses offered by other departments with permission of the Director of Graduate Studies.

3.12.15.10 Doctor of Philosophy (Ph.D.) Hispanic Studies

Thesis

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

HISP 701	(0)	Ph.D. Comprehensive Examination
HISP 713	(3)	Research Seminar

Complementary Courses (18 credits)

Six 3-credit courses

Language Requirement

Proficiency in Spanish, and, when appropriate, in Portuguese, as well as a functional ability in French and English. A reading knowledge of a fourth language will be determined according to the needs of the candidate's research program.

All courses, comprehensive examinations and language requirements will normally be completed before the dissertation topic is formally approved. A dissertation proposal should be submitted to the Graduate Committee of the Department of Hispanic Studies for approval no later than the end of the second year of full-time doctoral studies.

All general regulations of Graduate and Postdoctoral Studies regarding the Ph.D. degree shall apply.

Required Academic Activities: All candidates preparing their dissertation are required to give an annual formal presentation of their research to the Department, normally beginning in their third year of full-time doctoral studies.

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 offered as tutorials.

Typically, the first year of the program will consist of: Literary Theory course, ITAL 610, the three complementary courses and ITAL 698. The second year will include ITAL 602, ITAL 680 and the thesis.

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

Research Project (18 credits)

ITAL 690	(9)	Research Paper 1
ITAL 691	(9)	Research Paper 2

Required Courses (12 credits)

ITAL 602	(3)	The Literary Tradition
ITAL 610	(3)	Bibliography of Italian Literature
ITAL 619	(3)	Topics in Literary Theory
ITAL 680	(3)	Research Seminar

Complementary Courses (15 credits)

15 additional course credits, chosen in consultation with an adviser from among the graduate courses offered by the Department. The courses should cover at least three distinct chronological periods in Italian literature.

A maximum of 6 credits of graduate courses may be taken outside the Italian Studies Department, upon the advice of the Supervisor and with the permission of the Graduate Studies Director.

In exceptional cases, when program requirements cannot be fulfilled otherwise, students may take ITAL 606 Individual Reading Course 1 and ITAL 607 Individual Reading Course 2 offered as tutorials.

Typically, the first year of the program will consist of: Literary Theory course, ITAL 610, three complementary courses, and ITAL 690. The second year will include ITAL 602, ITAL 680, two complementary courses, and ITAL 691.

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 in Russian, functional ability in English and in French, and proficiency in a second Slavic language, if relevant to the research topic and where deemed appropriate by the Department Graduate Committee.

3.12.16 Linguistics

3.12.16.1 Location

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

3.12.16.2 About Linguistics

The aim of McGill's Linguistics graduate program is to train independent researchers to work in the diverse areas of Linguistics using a range of methods. We have specific expertise and strength in:

- phonetics
- phonology
- morphology
- syntax
- semantics
- pragmatics
- prosody
- language acquisition
- computational/quantitative linguistics
- artificial intelligence and machine learning
- variation and change
- linguistic fieldwork and documentation
- experimental methods

Students have access to a rich research landscape in cognitive science; for example, many members of the Department are associated with the Centre for Research on Brain, Language and Music (CRBLM) or Mila - Quebec AI Institute. The Department has several labs for conducting research including rooms for elicitation, running experiments including in sound booths and with an eye-tracker, and accessing high performance computing infrastructure. Members of the Department also have access to other facilities through the CRBLM.

We normally fund all full-time graduate students who maintain strong academic records; our funding package covers living expenses, tuition, and fees. M.A. students are funded for one year and eight months, and Ph.D. students for five years.

section 3.12.16.5: Master of Arts (M.A.) Linguistics (Thesis) (45 credits)

The M.A. in Linguistics Thesis program provides training in the fundamentals of theoretical and experimental linguistics. The program culminates in the preparation of a thesis, which is written under the direction of a supervisory committee, and which is expected to report on original research outcomes of publishable quality

section 3.12.16.6: Master of Arts (M.A.) Linguistics (Non-Thesis) (45 credits)

The M.A. (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.

section 3.12.16.7: Doctor of Philosophy (Ph.D.) Linguistics

The Ph.D. degree involves intensive coursework in year 1, additional coursework and completion of two evaluation papers in years 2 and 3, and thesis research and writing in years 4 and 5. This program is principally intended for students who wish to pursue a career in academia.

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

The Language Acquisition Program (LAP) is a cross-disciplinary option available to Ph.D. students in Communication Sciences and Disorders, Linguistics, Psychology, and Second Language Education who intend to pursue graduate studies, including writing their thesis, in language acquisition. In addition to meeting the degree requirements for Linguistics, students must complete four interdisciplinary LAP seminars, two graduate-level courses in language acquisition (one from outside the student's home department), a course in statistics, and they must have a faculty member from outside their home department on their thesis committee. Information about this option is available from the Department and at www.psych.mcgill.ca/lap.html.

3.12.16.3 Linguistics Admission Requirements and Application Procedures

3.12.16.3.1 Admission Requirements

Applicants to the M.A. or Ph.D. should have completed a B.A. with a specialization in linguistics. Applications are also invited from students with a background in other disciplines. Applicants showing strong evidence for truly outstanding potential but lacking a background in linguistics may be considered for admission to a Qualifying Year (QY).

English Language Proficiency

For graduate applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognised 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.

3.12.16.3.2 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, late and/or incomplete applications are considered only as time and space permit.

3.12.16.4 Linguistics Faculty

Chair

L. Alonso-Ovalle

Emeritus Professors

C.D. Ellis; M. Gopnik; M. Paradis; G.L. Piggott; L. de M. Travis; L. White.

Professors

B. Gillon; J. Coon; B. Schwarz; M. Wagner.

Associate Professors

L. Alonso-Ovalle; C. Boberg; M. Clayards; H.M. Goad; J. Shimoyama; M. Sonderegger.

Assistant Professors

J. A. Crippen; T. J. O'Donnell; M. Martinovi ; S. Reddy; F. Torreira.

3.12.16.5 Master of Arts (M.A.) Linguistics (Thesis) (45 credits)

The M.A. in Linguistics; Thesis program provides training in the fundamentals of theoretical and experimental linguistics. The program culminates in the preparation of a thesis, which is written under the direction of a supervisory committee, and which is expected to report on original research outcomes of publishable quality.

Thesis Course (18 credits)

LING 690 (18) M.A. Thesis Submission

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

6-12 credits in Linguistics at the 500, 600, or 700 level.

0-3 credits in a related field at the 500, 600, or 700 level, chosen in consultation with the supervisor and the graduate program director.

3.12.16.7 Doctor of Philosophy (Ph.D.) Linguistics

Revision, June 2022. Start of revision.

The Ph.D. in Linguistics provides training in the fundamentals of theoretical and experimental linguistics. The program culminates in the preparation of a thesis, which is written under the direction of a supervisory committee, and which is expected to constitute original scholarship and be a distinct contribution to knowledge.

Thesis

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

Required Courses (6 credits)

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 the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

Required Courses (27 credits)

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

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

Complementary Courses (18 credits)

3 credits of statistics from the following list

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

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

3.12.17 Mathematics and Statistics

3.12.17.1 Location

Department of Mathematics and Statistics
Burnside Hall, Room 1005
805 Sherbrooke Street West
Montreal QC H3A 0B9
Canada
Telephone: 514-398-3800
Fax: 514-398-3899
Email: grad.mathstat@mcgill.ca
Website: mcgill.ca/mathstat/

3.12.17.2 About Mathematics and Statistics

The Department of Mathematics and Statistics offers programs that can be focused on applied mathematics, pure mathematics, and statistics leading to master's degrees (M.A. or M.Sc.). The research groups are:

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

In the basic master's programs, students must choose between the thesis option, and the non-thesis option which requires a project. The Ph.D. program is thesis only in Mathematics and Statistics.

The [Department's website](#) provides extensive information on the Department and its facilities, including the research activities and research interests of individual faculty members. It also provides detailed supplementary information concerning our programs, admissions, funding of graduate students, thesis requirements, advice concerning the choice of courses, etc.

Students are urged to consult the [Institut des Sciences Mathématiques \(ISM\) website](#), which coordinates intermediate and advanced-level graduate courses among Montreal and Quebec universities. A list of courses available under the ISM auspices can be obtained from the ISM website. The ISM also offers fellowships and promotes a variety of joint academic activities greatly enhancing the mathematical environment in Montreal and in the province of Quebec.

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

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

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

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

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

The Department of Mathematics and Statistics offers programs with concentrations in applied mathematics, pure mathematics, and statistics leading to the master's degree (M.A.). The non-thesis option requires a project and eight approved 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 Oberman; Charles Roth; David A. Stephens; Valentino Tosatti; John A. Toth; Adrian Vetta; Daniel T. Wise.

Associate Professors

Linan Chen; Tim Hoheisel; Antony R. Humphries; Abbas Khalili; Jean-Philippe Lessard; Jean-Christophe Nave; Sergey Norin; Mikael Pichot; Piotr Przytycki; Marcin Sabok; Russell Steele; Gantumur Tsogtgerel; Jérôme Vétois; Yi Yang.

Assistant Professors

Patrick Allen; Sarah Harrison; Jessica Lin; Michael Lipnowski; Courtney Paquette; Elliot Paquette; Brent Pym; Anush Tserunyan.

Associate Members

Simon Caron-Huot; Xiao-Wen Chang; Luc Devroye; Leon Glass; James A. Hanley; Hamed Hatami; Anmar Khadra; Xue Liu; Michael Mackey; Erica E.M. Moodie; Prakash Panangaden; Robert W. Platt; Alexandra Schmidt; Kaleem Siddiqi; Christina Wolfson.

Adjunct Professors

Andrew Granville; Alexis Hannart; Adrian Iovita; Dimitris Koukouloupoulos; Ming Mei; M. Ram Murty; Claude-Alain Pillet; Iosif Polterovich; Armen Shirikyan.

Senior Faculty Lecturers

Axel Hundemer; Arnel Djivede Kelome.

Faculty Lecturers

Rosalie Bélanger-Rioux; José A. Correa; Jérôme Fortier; Jens Kreitewolf, *joint with Psychology*; Jeremy Macdonald; Tharshanna Nadarajah; Alia Sajjad; Sidney Trudeau.

3.12.17.5 Master of Arts (M.A.) Mathematics and Statistics (Thesis) (45 credits)**Thesis Courses (24 credits)**

MATH 600	(6)	Master's Thesis Research 1
MATH 601	(6)	Master's Thesis Research 2
MATH 604	(6)	Master's Thesis Research 3
MATH 605	(6)	Master's Thesis Research 4

Complementary Courses (21 credits)

At least 6 approved graduate courses, at the 500, 600 or 700 level, of 3 credits or more each.

3.12.17.6 Master of Arts (M.A.) Mathematics and Statistics (Non-Thesis) (45 credits)**Research Project (16 credits)**

MATH 640	(8)	Project 1
MATH 641	(8)	Project 2

Complementary Courses (29 credits)

At least eight approved graduate courses, at the 500, 600, or 700 level, of 3 or more credits each.

3.12.17.7 Doctor of Philosophy (Ph.D.) Mathematics and Statistics**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

MATH 700	(0)	Ph.D. Comprehensive Examination Part A
MATH 701	(0)	Ph.D. Comprehensive Examination Part B

Complementary Courses (21 credits)

Minimum 21 credits of approved graduate courses, with at least two courses at the 600-level or above.

3.12.18 Philosophy**3.12.18.1 Location**

Department of Philosophy
 Leacock Building, 9th floor
 855 Sherbrooke Street West
 Montreal QC H3A 2T7
 Canada
 Telephone: 514-398-6060
 Email: info.philosophy@mcgill.ca
 Website: mcgill.ca/philosophy

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 devoted to a master's thesis on a topic in bioethics that also satisfies the requirements of the base discipline.

The curriculum is composed of required courses (6 credits) offered in the Biomedical Ethics Unit, bioethics courses (6 credits minimum) offered by the base faculty or department, and any graduate course required or accepted by a base faculty for the granting of a master's degree, for a total of 21 credits. A minimum of 45 credits is required, including the thesis. Students graduate with a master's degree from the faculty of their base discipline (M.A., M.Sc., or LL.M.) with a specialization in bioethics.

section 3.12.18.6: Doctor of Philosophy (Ph.D.) Philosophy

The program is intended for students with a B.A. or M.A. in Philosophy, though some exceptions may be possible. It is a pluralist department with an excellent professor-to-student ratio, strong preparation for dissertation work, and guaranteed full funding for four years for all admitted Ph.D. students.

section 3.12.18.7: Doctor of Philosophy (Ph.D.) Philosophy: Environment

The graduate option in Environment provides students with an appreciation for the role of science in informed decision-making in the environmental sector, and its influence on political, socio-economic, and ethical judgments. The option also provides a forum whereby graduate students bring their disciplinary perspectives together and enrich each other's learning through structured courses, formal seminars, and informal discussions and networking.

Students who have been admitted through their home department or faculty may apply for admission to the option. Option requirements are consistent across academic units. The option is coordinated by the Bieler School of Environment (BSE), in partnership with participating academic units.

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. Ph.D1 is a direct-entry program for students with an Honours BA degree in Philosophy or the equivalent. Ph.D2 is a program for students who hold an MA degree in Philosophy, or equivalent. At present, we do not consider applicants for an MA in Philosophy. We offer an MA specialization in Bioethics in conjunction with the Biomedical Ethics Unit. Information for students interested in the Specialty MA in Biomedical Ethics can be found here: mcgill.ca/biomedicalethicsunit/.

The Department considers an adequate undergraduate training in philosophy to be one that furnishes a student with:

1. A general knowledge of the history of Western philosophy: Greek, Medieval, Modern;
2. A systematic knowledge of the main philosophical disciplines in their contemporary as well as historical contexts: logic, ethics, epistemology, and metaphysics;
3. An ability to present, in written form, clear and substantial reconstructions and analyses of the materials normally studied in the areas mentioned in (1) and (2).

To demonstrate their competence in these areas, applicants must submit transcripts of academic work, three letters of recommendation from persons with whom they have studied, and at least one substantial example (approximately 15–20 typewritten pages) of their written philosophical work.

In addition, applicants from North America whose first language is English are strongly encouraged to submit scores of the *Graduate Record Examination* (GRE). Applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English (*TOEFL* score).

M.A. (Bioethics)

Students applying to the Bioethics Specialty program must write an M.A. thesis proposal. All applications to this program must also receive the approval of the Director of the Specialty program. Students who apply for this program should note that they must participate in a practicum, which continues beyond the end of their second term of classes.

3.12.18.3.2 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.

3.12.18.3.2.1 Additional Requirements

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

- Letters of Reference – three (3) original letters of reference, from three qualified individuals familiar with your work
- Writing Sample (15–20 pages) – a sample of your written work in philosophy
- Personal Statement (2–3 pages) – explaining your reasons for wishing to undertake graduate studies in philosophy at McGill University

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

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)

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.

Minimum of 2 courses from the following:

PHIL 627	(3)	Seminar: Critical Philosophy of Race
PHIL 634	(3)	Seminar: Ethics
PHIL 643	(3)	Seminar: Medical Ethics
PHIL 644	(3)	Political Theory
PHIL 648	(3)	Seminar: Philosophy of Law

and/or any other course at the 500, 600 or 700 level in Value Theory recommended/accepted by the student's advisory committee. Depending on the topics covered, PHIL 607 and PHIL 682 may count toward the area requirements.

Minimum of 2 courses from the following:

PHIL 610	(3)	Seminar on Advanced Logic 2
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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

One research language at the advanced level or two research languages at the intermediate level.

3.12.18.7 Doctor of Philosophy (Ph.D.) Philosophy: Environment

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

Thesis

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

Required Courses (21 credits)

ENVR 615	(3)	Interdisciplinary Approach Environment and Sustainability
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

(27*-33** credits)

* If admitted to Ph.D. 2

** If admitted to Ph.D. 1

PHIL courses (21-27 credits):

At least 6 credits from:

PHIL 607***	(6)	Pro-Seminar 1
PHIL 651	(3)	Seminar: Ancient Philosophy 2
PHIL 656	(3)	Medieval Philosophy
PHIL 661	(3)	Seminar: 18th Century Philosophy
PHIL 667	(3)	Seminar: 19th Century Philosophy
PHIL 675	(3)	Seminar: Contemporary European Philosophy
PHIL 682***	(6)	Pro-Seminar 3

and/or any other course at the 500 level or higher in the History of Philosophy recommended/accepted by the student's advisory committee.

** When topic is appropriate.

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

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

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

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

Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous 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 (24 credits)

PHIL 607	(6)	Pro-Seminar 1
PHIL 682	(6)	Pro-Seminar 3
PHIL 685	(3)	Fundamentals of Logic
PHIL 690	(3)	Candidacy Paper
WMST 601	(3)	Feminist Theories and Methods
WMST 602	(3)	Feminist Research Symposium

Complementary Courses

(24-30 credits)

Students admitted to Ph.D. 1 require ten complementary courses.

Students admitted to Ph.D. 2 require eight complementary courses.

Minimum two courses from the following:

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.

Minimum of two courses from the following:

PHIL 627	(3)	Seminar: Critical Philosophy of Race
PHIL 634	(3)	Seminar: Ethics
PHIL 642	(3)	Seminar: Feminist Theory
PHIL 643	(3)	Seminar: Medical Ethics
PHIL 644	(3)	Political Theory
PHIL 648	(3)	Seminar: Philosophy of Law

and/or any other course at the 500, 600, or 700 level in Value Theory recommended/accepted by the student's advisory committee. Depending on the topics covered, PHIL 607 and PHIL 682 may count toward the area requirements.

Minimum of two courses from the following:

PHIL 610	(3)	Seminar on Advanced Logic 2
PHIL 611	(3)	Seminar: Philosophy of Logic and Mathematics
PHIL 615	(3)	Seminar: Philosophy of Language
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, 600, or 700 level in Metaphysics and Epistemology recommended/accepted by the student's advisory committee. Depending on the topics covered, PHIL 607 and PHIL 682 may count toward the area requirements.

One additional course selected from the list of Women's Studies graduate course offerings, or other graduate option-approved courses from participating departments.

The remaining course(s) must be at the 500, 600, or 700 level and are to be chosen in consultation with the student's advisory committee.

Language Requirement

One research language at the advanced level or two research languages at the intermediate level.

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).

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 (22 credits)

Revision, July 2022. Start of revision.

ARTE 700	(3)	Seminar: Teaching Humanities
PHIL 607	(6)	Pro-Seminar 1
PHIL 682	(6)	Pro-Seminar 3
PHIL 685	(3)	Fundamentals of Logic
PHIL 690	(3)	Candidacy Paper
PHIL 703	(1)	Teaching Reflection and Practice

Revision, July 2022. End of revision.

Complementary Courses (21-27 Credits)

Students admitted to Ph.D. 1 require 27.

Students admitted to Ph.D. 2 require 21.

Minimum of 6 credits 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.

Minimum of 6 credits from the following:

PHIL 627	(3)	Seminar: Critical Philosophy of Race
PHIL 643	(3)	Seminar: Medical Ethics

PHIL 644	(3)	Political Theory
PHIL 648	(3)	Seminar: Philosophy of Law

and/or any other course at the 500, 600, or 700 level in Value Theory recommended/accepted by the student's advisory committee.

Minimum of 6 credits from the following:

PHIL 610	(3)	Seminar on Advanced Logic 2
PHIL 611	(3)	Seminar: Philosophy of Logic and Mathematics
PHIL 615	(3)	Seminar: Philosophy of Language

Language Requirement

Students must satisfy Departmental language requirements by demonstrating competence at the advanced level in a research language, or at the intermediate level in two research languages.

3.12.19 Political Science

3.12.19.1 Location

Department of Political Science
Stephen Leacock Building, Room 414
855 Sherbrooke Street West
Montreal QC H3A 2T7
Canada
Telephone: 514-398-4800
Website: mcgill.ca/politicalscience

3.12.19.2 About Political Science

The Department offers programs leading to the **M.A.** (with or without thesis) and **Ph.D.** degrees. These programs combine depth of specialization in a particular field with breadth of knowledge in related fields. The staff offers courses and supervises research on most of the important areas of political science. Students may specialize in any of the following:

- Canadian Government and Politics;
- Comparative Politics;
- Political Theory; or
- International Relations.

M.A. graduates gain the scholarly preparation required to proceed to the Ph.D. program at McGill or elsewhere. Alternatively, the M.A. degree prepares graduates for teaching at the college level, for advanced study in other disciplines, or for rewarding jobs in government and in the private sector. Students in the M.A. program may choose either the Research Essay option or the Thesis option. Both options are generally recognized as among the most demanding and rewarding in Canada.

Besides its traditional M.A. program, the Department also offers M.A. options in **Development Studies**, **Gender and Women's Studies**, and **European Studies**. Interested students must apply and be accepted to both the political science M.A. program and to the option program.

Graduate students can benefit from expertise and advanced scholarship in such diverse research areas as:

- Electoral Studies;
- Comparative Federalism;
- Constitutional Theory and Practice;
- International Peace and Security Studies;
- International Development;
- Nations and Nationalism;
- Health and Social Policy;
- Identity Politics.

For a full list of our affiliated research centres and institutes, please consult our website: mcgill.ca/politicalscience/about-us/centres.

Changes may take place after this content is published. Students are advised to contact the Department Office for supplementary information, which may be important to their choice of program.

Master's Programs

Students can select a program option within the Thesis program or choose to follow the regular stream within one of our four main sub-fields. Currently, the M.A. Non-Thesis (Research Project) is only offered to those who are interested in pursuing the Gender Studies option. However, Thesis students will be permitted to switch into the regular Non-Thesis program (one time only) while completing their coursework. Non-Thesis Gender Studies students will also have the option to switch into the regular Thesis stream (one time only).

section 3.12.19.5: Master of Arts (M.A.) Political Science (Thesis) (45 credits)

The M.A. program is generally recognized as among the most demanding and rewarding in Canada. A main purpose of the M.A. degree is to demonstrate an ability to design and execute with competence a major piece of research, comparable to a full-length article in a scholarly journal. The length will vary with the nature of the topic. A thesis that contains considerable data analysis might be well developed in 50 pages, while an institutional or historical study would generally be longer.

section 3.12.19.6: Master of Arts (M.A.) Political Science (Thesis): Development Studies (45 credits)

The Development Studies Option (DSO) is a cross-disciplinary M.A. program offered within existing M.A. programs in the Departments of Geography, History, Political Science, Anthropology, Economics, and Sociology. This thesis option is open to master's students specializing in development studies. Students enter through one of the participating departments and must meet the M.A. requirements of that unit. Students take an interdisciplinary seminar (INTD 657 Development Studies Seminar) that will be co-taught by professors from two different disciplines and a variety of graduate-level courses on international development issues. The M.A. thesis must be on a topic relating to development studies, approved by the DSO Coordinating Committee.

Students interested in development will benefit from the expertise provided by the Institute for the Study of International Development. For more information on the Institute, see mcgill.ca/isid/teaching-programs/graduate/development-studies.

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 will be encouraged 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 other courses on European themes and issues as part of their M.A. program. Knowledge of French, while not a prerequisite, is an important asset for admission and will be encouraged as part of the program, as will knowledge of a third European language.

section 3.12.19.11: Master of Arts (M.A.) Political Science (Non-Thesis): Gender and Women's Studies (45 credits)

The Gender and Women's Studies Option offers McGill graduate students who meet the degree requirements in a participating unit and who wish to earn 6 credits of approved coursework, a cross-disciplinary specialization in feminist, and gender and/or women's studies, deploying a wide array of disciplinary methodologies and modes of inquiry. The student's research paper must be on a topic centrally focused on gender and/or women's studies. See mcgill.ca/igsf/programs.

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 equivalent to a McGill Honours degree in Political Science is desirable.

Ph.D.

Students holding a master's degree in political science may be eligible for admission to the Ph.D. program. In some instances, outstanding students with a B.A. in Political Science may be admitted directly into the Ph.D. program without having completed an M.A. degree. They will be considered Ph.D. 1.

Reference Letters

All applicants, including those who have done their undergraduate work at McGill, must submit two letters of reference. It is recommended that you contact your referees at least a month in advance of the deadline. **Applications that do not have references by January 15 will not be considered.**

TOEFL Exams

Applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian/American institution (anglophone or francophone), must submit **TOEFL** scores. A minimum score of 100 on the Internet-based test (iBT), with each component score not less than 20 is required for admission. Please use the codes McGill **0935** – Political Science **89** when writing the TOEFL exam. The **IELTS** (International English Language Testing Systems) with a minimum overall band of 6.5 is also acceptable. Files will not be considered unless TOEFL/IELTS scores are received before the application deadline (January 15). IELTS test scores must be sent electronically by IELTS directly to McGill University using the McGill code **0935**.

For more information, consult the **TOEFL**, and **IELTS** websites.

3.12.19.3.2 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.

3.12.19.3.2.1 Additional Requirements

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

- Research Statement – maximum one (1) page single-spaced, a concise academic statement

- Writing Sample – Ph.D. only

3.12.19.3 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 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.

Completed applications (including *all* supporting documentation listed above) for all graduate programs in Political Science **must be received by January 15**. For detailed information, please see the Graduate Applicant Checklist at mcgill.ca/politicalscience/files/politicalscience/grad/admissions.

3.12.19.4 Political Science Faculty

Chair

Jacob Levy

Director of Graduate Program

Yves Winter

Emeritus Professor

Harold M. Waller

Professors

Arash Abizadeh; Daniel Béland; Éric Bélanger; Mark R. Brawley; Rex Brynen; Elisabeth Gidengil; Terri E. Givens; Juliet Johnson; Jacob T. Levy; Catherine Lu; Christopher Manfredi; T.V. Paul; Vincent Pouliot; Filippo Sabetti; Dietlind Stolle; Narendra Subramanian; Jennifer Welsh.

Associate Professors

Leonardo Baccini; Manuel Balán; Megan Bradley; Erik Kuhonta; Hudson Meadwell; Khalid Medani; Victor Muñoz-Fraticelli; Fernando Nuñez-Mietz; Krzysztof Pelc; Maria Popova; William Clare Roberts; Debra Thompson; Juan Wang; Yves Winter.

Assistant Professors

Yann Allard-Tremblay; Elissa Berwick; Aaron Erlich; Kelly Gordon; Tania Islas Weinstein.

Associate Members

Benjamin Forest; Carola Weil; Daniel Weinstock.

Faculty Lecturer

Daniel Douek

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. Students take courses in two or more sub-fields of political science. The focus of the program is to provide training in the discipline of political science and prepare students for further graduate work. Students need to demonstrate an ability to design and execute with competence a major piece of research, comparable to a full length article in a scholarly journal.

Thesis Courses (24 credits)

A thesis is required to demonstrate proficiency in research. It is normally about 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 available from the Department.

Of the 15 credits of complementary courses, up to 3 credits at the 500 level or higher may be taken outside the Department.

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

3.12.19.8 Master of Arts (M.A.) Political Science (Non-Thesis) (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 Course (6 credits)

POLI 691	(6)	Bibliographic Methods 1
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Complementary Courses (21 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 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

15-18 credits of 500- or 600-level courses; up to 6 credits may be outside the Department.

3.12.19.9 Master of Arts (M.A.) Political Science (Non-Thesis): Development 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)

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)	Modern Political Analysis
POLI 617	(3)	Problems in Political Theory

6-9 credits from the following group of courses on European Politics:

POLI 619	(3)	Immigrants / Refugees / Minorities
POLI 628	(3)	Comparative Politics
POLI 629	(3)	Post-Communist Transformations
POLI 630	(3)	Topics in European Politics
POLI 639	(3)	Politics of Developed Areas
POLI 680	(3)	Social Change/Advanced Industrialized Democracies

3-6 credits at the 500, 600, or 700 level in courses in the Department. A course list is available from the Department.

Of the 18 credits of complementary courses, up to 6 credits may be taken outside the Department.

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

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
WMST 601	(3)	Feminist Theories and Methods

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 course at the graduate level.

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 at the 500- or 600-level as determined by the student's area of study.

3 additional credits in gender/women's studies, either:

WMST 602	(3)	Feminist Research Symposium
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or another approved course on gender/women's studies.

Note: Should the "other" approved gender/women's studies course be taken in the Department of Political Science, the student is eligible to take a 500- or 600-level course as determined by the student's area of study outside the Department.

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

3.12.19.12 Master of Arts (M.A.) Political Science (Non-Thesis): Social Statistics (45 credits)

This program is currently not offered.

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 Course (6 credits)

POLI 691	(6)	Bibliographic Methods 1
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Complementary Courses (21 credits)

3 credits chosen from the following:

ECON 688	(3)	Seminar on Social Statistics
POLI 688	(3)	Seminar on Social Statistics

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 course.

One of the following:

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 POLI courses; up to 6 credits in related disciplines may be allowed if they are appropriate to the program.

Candidates for the M.A. degree follow a program approved on an individual basis by the Department.

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 credits in political theory at the 500 or 600 level.

Methods

3 credits of the following:

POLI 612	(3)	Research Methods in Political Science
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or another suitable Advanced Methods course.

Gender Courses

3 credits at the 500 level or higher of an option-approved course in consultation with the program adviser.

Remaining Courses

3 credits which may be outside the student's major fields. For students that choose the advanced methods courses as part of the Advanced Research Tools, 3 credits must be the advanced methods courses.

Advanced Research Tools

Language Requirement: Students must pass an advanced-level translation test from a language other than English. If the student's research will involve field work in a country where English is not widely spoken, the test will include an oral component. In selecting a language to fulfil this requirement, the student must demonstrate in writing how the chosen language is related to his or her research.

OR

Advanced Statistical Methods: To fulfil this requirement, students must complete 3 advanced methods credits (at the 600, or 700 level) in qualitative or quantitative methods, selected in consultation with the student adviser, the Graduate Program Director, and the methods coordinator.

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;
- cognition & cognitive neuroscience;
- developmental science;
- health psychology;
- quantitative psychology & modelling;
- social & personality psychology.

Facilities for advanced research in a variety of fields are available within the Department itself. In addition, arrangements exist with the Departments of Psychology at the Montreal Neurological Institute and Hospital, Allan Memorial Institute, Douglas Mental Health University Institute, Jewish General Hospital, Montreal Children's Hospital, and Montreal General Hospital to permit graduate students to undertake research in a hospital setting.



Note: Many MUHC-affiliated hospitals and institutes are now located at the Glen site; further information is available on the [MUHC website](#).

For inquiries about all programs and financial aid, and for application forms, contact the [Graduate Program Administrator](#).

Ph.D. Option in Behavioural Neuroscience

Information about this option is available from the Department and at mcgill.ca/psychology/graduate/program-tracks.

Ph.D. Option in Language Acquisition (LAP)

Information about this option is available from the Department and at psych.mcgill.ca/lap.html and mcgill.ca/psychology/graduate/program-tracks/experimental/additional-program-opportunities.

A cross-disciplinary option in Psychosocial Oncology is offered within the existing Ph.D. program in Psychology. Information about this option is available from the Department and at medicine.mcgill.ca/oncology/programs/programs_psychosocialoncology.asp and mcgill.ca/psychology/graduate/program-tracks/clinical/additional-program-opportunities.

section 3.12.20.5: Master of Arts (M.A.) Psychology (Thesis) (45 credits)

Candidates must demonstrate a sound knowledge of modern psychological theory, of its historical development, and of the logic of statistical methods as used in psychological research. Candidates will be expected to have an understanding of the main lines of current work in areas other than their own field of specialization.

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 methods as used in psychological research. Candidates will be expected to have an understanding of the main lines of current work in areas other than their own field of specialization.

section 3.12.20.6: Doctor of Philosophy (Ph.D.) Psychology

Please contact the Department for more information about this program.

section 15.12.9.7: Doctor of Philosophy (Ph.D.) Psychology: Behavioural Neuroscience

The Ph.D. in Psychology: Behavioural Neuroscience program emphasizes modern, advanced theory and methodology aimed at the neurological underpinnings of behaviour in human and non-human animals. This program is intended for graduate students in any area of Psychology who wish to obtain unique, intensive training at the intersection of psychology and neuroscience, thereby enhancing their expertise, the interdisciplinary potential of their dissertation research, and enabling them to compete successfully for academic or commercial positions in either field alone, or their intersection. It requires that students complete a dissertation that addresses Behavioural Neuroscience themes.

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.

3.12.20.3 Psychology Admission Requirements and Application Procedures

3.12.20.3.1 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 (undergraduate level) in the Faculty of Arts or the Faculty of Science, and follow an appropriate course of study. Such registration requires the permission of the Department but carries no advantage with respect to a student's eventual admission to graduate studies.

Applicants should note that the deadline for many scholarships and fellowships is about four months earlier than the application deadlines and that applications for scholarships and fellowships should be submitted through their home university.

The *GRE* General Test as well as the Psychology Subject Test are not mandatory, but if you wish to take either or both, your scores can be submitted to us and will be added to your application.



Note: Official transcripts do not need to be included as part of an application; they will only be requested once applicants are formally accepted into the program.

English Language Proficiency

For graduate applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized Canadian or American (English or French) institution or from a recognized foreign institution where English is the language of instruction, documented proof of English proficiency is required prior to admission. For a list of acceptable test scores and minimum requirements, visit mcgill.ca/gradapplicants/international/proficiency

3.12.20.3.2 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.

3.12.20.3.2.1 Additional Requirements

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

- Three letters of reference
- Personal Statement

- Curriculum Vitae
- Application Summary Sheet

For further details about these additional requirements, consult the Department of Psychology's [website](#).

3.12.20.3 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 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.

	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

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

3.12.20.4 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 Centre: S. King, N. Rajah, H. Steiger, M. Lepage

Educational Counselling Psychology: V Talwar

Jewish General Hospital: B Thombs

McGill Vision Research Centre: R. Hess, F.A.A. Kingdom, K. Mullen

Montreal Neurological Institute and Hospital: J. Armony, L.K. Fellows, D. Guitton, E. Ruthazer, W. Sossin, R. N. Spreng, V. Sziklas, R. Zatorre

Schulich School of Music: S. MacAdams

Psychiatry: D. Dunkley, F. Elgar, M. Leyton

Adjunct Professor

S. Harnad, L. Human.

3.12.20.5 Master of Arts (M.A.) Psychology (Thesis) (45 credits)

M.A. and M.Sc. degrees may be awarded in Experimental Psychology, but only as a stage in the Ph.D. program. There is no M.A. or M.Sc. program in Clinical Psychology.

Thesis Courses (27 credits)

PSYC 690	(15)	Masters Research 1
PSYC 699	(12)	Masters Research 2

Required Courses (18 credits)

PSYC 601	(6)	Master's Comprehensive
PSYC 650	(3)	Advanced Statistics 1
PSYC 651	(3)	Advanced Statistics 2
PSYC 660D1	(3)	Psychology Theory
PSYC 660D2	(3)	Psychology Theory

3.12.20.6 Doctor of Philosophy (Ph.D.) Psychology

All candidates for the Ph.D. degree must demonstrate broad scholarship, mastery of current theoretical issues in psychology and their historical development, and a detailed knowledge of their special field. Great emphasis is placed on the development of research skills, and the dissertation forms the major part of the evaluation at the Ph.D. level.

Ph.D. students in Clinical Psychology must fulfil similar requirements to Ph.D. students in the Experimental Program and must also take a variety of specialized courses, which include practicum and internship experiences.

Thesis

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

Required Course

PSYC 701	(0)	Doctoral Comprehensive Examination
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Complementary Courses

12-24 credits

12 credits (one course per term in Year 2 and Year 3) chosen from the following list:

PSYC 712	(3)	Comparative and Physiological Psychology 3
PSYC 715	(3)	Comparative and Physiological Psychology 6
PSYC 722	(3)	Personality and Social Psychology
PSYC 723	(3)	Personality and Social Psychology
PSYC 724	(3)	Personality and Social Psychology
PSYC 725	(3)	Personality and Social Psychology
PSYC 727	(3)	Personality and Social Psychology
PSYC 728	(3)	Ethics and Professional Issues
PSYC 729	(3)	Theory of Assessment
PSYC 730	(3)	Clinical Neuroscience Methods
PSYC 732	(3)	Clinical Psychology 1
PSYC 733	(3)	Clinical Psychology 2
PSYC 734	(3)	Developmental Psychology and Language
PSYC 735	(3)	Developmental Psychology and Language
PSYC 736	(3)	Developmental Psychology and Language
PSYC 740	(3)	Perception and Cognition
PSYC 741	(3)	Perception and Cognition
PSYC 742	(3)	Perception and Cognition
PSYC 743	(3)	Perception and Cognition
PSYC 744	(3)	Perception and Cognition
PSYC 746	(3)	Quantitative and Individual Differences
PSYC 747	(3)	Quantitative and Individual Differences
PSYC 748	(3)	Quantitative and Individual Differences
PSYC 749	(3)	Quantitative and Individual Differences
PSYC 750	(3)	Applied Bayesian Statistics
PSYC 752D1	(3)	Psychotherapy and Behaviour Change
PSYC 752D2	(3)	Psychotherapy and Behaviour Change
PSYC 753	(3)	Health Psychology Seminar 1

0-12 credits from the following (students without a master's degree from McGill need to take all 12 credits):

PSYC 650	(3)	Advanced Statistics 1
PSYC 651	(3)	Advanced Statistics 2
PSYC 660D1	(3)	Psychology Theory
PSYC 660D2	(3)	Psychology Theory

Note: The Department of Psychology does not ordinarily require an examination in a foreign language however, all students planning on practicing clinical psychology in the province of Quebec will be examined based on their proficiency in French before being admitted to the professional association.

3.12.20.7 Doctor of Philosophy (Ph.D.) Psychology: Behavioural Neuroscience

The Ph.D. in Psychology: Behavioural Neuroscience program emphasizes modern, advanced theory and methodology aimed at the neurobiological underpinnings of behaviour in human and non-human animals. This program is intended for graduate students in any area of Psychology who wish to obtain unique, intensive training at the intersection of psychology and neuroscience, thereby enhancing their expertise; the interdisciplinary potential of their dissertation research, and enabling them to compete successfully for academic or commercial positions in either field alone, or their intersection. It requires that students complete a dissertation that addresses Behavioural Neuroscience themes as determined by the graduate program director.

Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field 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

PSYC 701	(0)	Doctoral Comprehensive Examination
PSYC 781	(3)	Behavioural Neuroscience Special Topics
PSYC 782	(3)	Behavioural Neuroscience Advanced Seminar

Complementary Courses

6-18 credits

6 credits (one course per term in Year 2 and Year 3) chosen from relevant 700-level courses in consultation with the supervisor and graduate program director.

0-12 credits from the following (students without a master's degree from McGill need to take all 12 credits):

PSYC 650	(3)	Advanced Statistics 1
PSYC 651	(3)	Advanced Statistics 2
PSYC 660D1	(3)	Psychology Theory
PSYC 660D2	(3)	Psychology Theory

Note: The Department of Psychology does not ordinarily require an examination in a foreign language however, all students planning on practicing clinical psychology in the province of Quebec will be examined based on their proficiency in French before being admitted to the professional association.

3.12.20.8 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.

3.12.20.9 Doctor of Philosophy (Ph.D.) Psychology: Psychosocial Oncology

The Ph.D. thesis topic must be germane to psychosocial oncology and approved by the PSO coordinating committee.

Thesis

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

Required Courses (12 credits)

NUR2 705	(3)	Palliative Care
NUR2 783	(3)	Psychosocial Oncology Research
PSYC 701	(0)	Doctoral Comprehensive Examination

One graduate seminar each term during Year 2 and Year 3 chosen from seminar courses PSYC 712 to PSYC 753.

Note: The Department of Psychology does not ordinarily require an examination in a foreign language; however, all students planning on practising clinical psychology in the province of Quebec will be examined based on their proficiency in French before being admitted to the professional association.

Note: If the student has a non-McGill master's then the following courses are also required:

PSYC 650	(3)	Advanced Statistics 1
PSYC 651	(3)	Advanced Statistics 2
PSYC 660D1	(3)	Psychology Theory
PSYC 660D2	(3)	Psychology Theory

Complementary Course (3 credits)

One of the following courses:

PSYC 507	(3)	Emotions, Stress, and Illness
PSYC 753	(3)	Health Psychology Seminar 1
SWRK 609	(3)	Understanding Social Care
SWRK 668	(3)	Living with Illness, Loss and Bereavement

3.12.21 Public Policy

3.12.21.1 Location

Max Bell School of Public Policy
McGill University
680 Sherbrooke Street West, Suite 600
Montreal QC, Canada H3A 2M7
Telephone: 514-398-1937
Email: maxbell.school@mcgill.ca
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 Testing Systems) instead of the TOEFL exam. A minimum overall band score of 7.0 is required, with each component score not less than 7.0. IELTS test scores must be sent electronically by IELTS directly to McGill University using McGill's institutional code: **0935**.

English language proficiency exemptions can be found [here](#).

3.12.21.22 Application Procedures

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

Detailed application procedures are available at mcgill.ca/gradapplicants/apply.

3.12.21.22.1 Additional Requirements

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

- Personal Statement (1,000 words). Your essay should explain why your background makes you an ideal candidate for the Max Bell M.P.P. program, and how success in this program will enable you to achieve your professional goals.
- *Curriculum Vitae*
- Two letters of reference, ideally one academic and one professional.
- TOEFL or IELTS score written within the past two years (where applicable)

Interview

After a preliminary review of their file, some candidates will be invited for an interview, to be conducted remotely. We would like to highlight the importance of the interview as it is not only for the admissions committee to better understand your background and experiences, but also an important opportunity for you to ask key questions and ensure that the Max Bell School M.P.P. program is right for you. During the interview you will be asked to talk about your interests in public policy, and what you hope to accomplish following your M.P.P. experience.

3.12.21.23 Application Dates and Deadlines

The deadline to complete your application is March 1, including submission of all supporting documents. Please note: Entrance to the M.P.P. program is highly competitive. It is in the applicant's interest to apply as early as possible. Applications are reviewed on a rolling basis so that the earlier a file is complete, the sooner the applicant may expect to receive an answer.

	Application Opening Dates		Application Deadlines	
	All Applicants	Non-Canadian citizens	Canadian citizens/Perm. residents of Canada	Current McGill Students
Fall Term:	Sept. 15	March 1	March 1	March 1
Winter Term:	N/A	N/A	N/A	N/A
Summer Term:	N/A	N/A	N/A	N/A

3.12.21.3 Public Policy Faculty

Director

Christopher T.S. Ragan

Graduate Program Director

Andrew Potter

Faculty

Daniel Béland; Nathalie Duchesnay; Pearl Eliadis; Nicholas King; Taylor Owen; Andrew Potter; Jennifer Welsh.

3.12.21.4 Master of Public Policy (M.P.P.) Public Policy (Non-Thesis) (45 credits)

The Max Bell School of Public Policy's teaching program is a one-year Master of Public Policy; Non-Thesis, with a small student cohort to optimize learning and exchange. Combining courses in the theory of public policy with those covering the complexities of the real-world policy process, the program approaches today's most important policy issues in Canada and around the world from varied perspectives to prepare the next generation of policy leaders. The MPP program aims to place more emphasis than is usual in such programs on developing practical skills crucial to future policy leaders, including conflict resolution, persuasive writing, effective presentations and the briefing of officials.

The Master of Public Policy; Non-Thesis, is directed at early career professionals, normally with two to five years' professional experience, who are interested in developing expertise in the field of public policy. Recent graduates with an exceptional academic record will also be considered. A Bachelor's degree (or equivalent as recognized by McGill University) is required. The ideal applicant will have completed undergraduate courses in Political Science, Economics, Quantitative Methods, and/or Statistics.

Required Courses (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)

3 credits selected from the following courses:

PPOL 611	(3)	Canadian Political and Policy Landscape
PPOL 612	(3)	U.S. Political and Policy Landscape
PPOL 613	(3)	Global Political and Policy Landscape

3 credits from the following courses:

PPOL 606	(3)	Experts, Science and Evidence
PPOL 607	(3)	Information and Media Literacy

3 credits selected from the following courses:

PPOL 605	(3)	Analytical Methods for Policy Evaluation
PPOL 608	(3)	Theory and Practice of Program Evaluation

4 credits from the following courses:

PPOL 631	(1)	Policy Case Study 1
PPOL 632	(1)	Policy Case Study 2
PPOL 633	(1)	Policy Case Study 3
PPOL 634	(1)	Policy Case Study 4
PPOL 635	(1)	Policy Case Study 5
PPOL 636	(1)	Policy Case Study 6
PPOL 637	(1)	Policy Case Study 7
PPOL 638	(1)	Policy Case Study 8

Revision, June 2022. Start of revision.

8 credits from the following courses:

PPOL 640	(2)	Policymaking in a World of Business
PPOL 641	(2)	Rhetoric and Communication of Public Policy
PPOL 642	(2)	Policy and Globalization
PPOL 643	(2)	Ethical Dimensions of Policymaking
PPOL 644	(2)	Stakeholder Management

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:

- Master of Arts (M.A.) (Thesis and Non-Thesis)
- Master of Arts (M.A.) (Thesis) with specialization in Bioethics
- Master of Arts (M.A.) (Thesis) with option in Gender and Women's Studies
- Master of Sacred Theology (S.T.M.)
- Doctor of Philosophy (Ph.D.)
- Doctor of Philosophy (Ph.D.) with option in Gender and Women's Studies

The areas of graduate specializations of our School are:

- Buddhism;
- Christian History and Theology;
- Early Judaism;
- Hebrew Bible/Old Testament Studies;
- Hinduism;
- Interfaith Studies;
- New Testament Studies;
- Philosophy of Religion;
- Religion and Communication;
- Religious Ethics;
- Religion and Globalisation;
- Religion and Modernity;
- Religion and the Public Sphere;
- Sociology of Islam.

The many different areas of research interest among members of the School frequently require the hiring of graduate students as research assistants. The School also seeks to train young scholars in the art of lecturing/teaching; to this end it has created opportunities for Ph.D. students to teach courses and permits M.A. and Ph.D. students to work as teaching assistants. The individual programs are described below.

Adequate library and study facilities are available in the *William and Henry Birks Building* and elsewhere in the University for the courses listed and for research.

Language Requirements

The School of Religious Studies offers courses in primary text source languages, such as Biblical Hebrew, Aramaic, Biblical Greek, Sanskrit, and classical literary Tibetan. The School relies upon other McGill units for instruction in languages other than those mentioned above.

- **M.A.**

Students are required to give their area committee evidence of reading knowledge of a scholarly language other than English. This language may be either a modern language in which there is a significant amount of scholarship relevant to the student's area of research, or a classical language relevant to the student's area of research. If a classical language is chosen, it must be in addition to any prerequisite language for the area in question.



Note: The M.A. with specialization in Bioethics has no language requirement.

- **Ph.D.**

Students are required to give their area committee evidence of reading knowledge of two languages other than English. These languages must be chosen from modern languages in which there is a significant amount of scholarship relevant to the student's area of research or classical languages relevant to the student's area of research.

Research in some disciplines, or on certain thesis topics, may require proficiency in more than two languages besides English. In that case, additional language requirements may be stipulated by the supervisor.

- **S.T.M.**

The S.T.M. program has no language requirement.

section 3.12.23.5: Master of Arts (M.A.) Religious Studies (Thesis) (45 credits)

The purpose of the M.A. (Thesis) degree is to encourage advanced study and research in one of the disciplines of Religious Studies for those who wish to become scholars or teachers, or will be engaged in some field of religious or public service. The M.A. (Thesis) program in Religious Studies offers a specialization in Bioethics and an option in Gender and Women's Studies.

section 3.12.23.6: Master of Arts (M.A.) Religious Studies (Thesis): Bioethics (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 [section 3.12.23.2: About Religious Studies](#).

Doctor of Philosophy (Ph.D.) in Religious Studies – Gender and Women's Studies Option

Entry into the doctoral program is limited to applicants who have earned an academic master's degree in Religious Studies or Theology in a recognized graduate program, or those who have finished the course requirements of such a program with a minimum CGPA of 3.5/4.0.

Advanced Standing (Ph.D. 2) may be granted if the completed master's-level work including a thesis is in the same area as that of the intended doctoral specialization and involved not less than six (6) courses (18 credits).

It is recommended that a foreign language related to the area of study be included in the bachelor's or master's work preceding doctoral study.

Applicants for doctoral programs are requested to submit a substantial sample of their scholarly writing (15–20 pages) with their application. The application should specify one of the specializations listed in [section 3.12.23.2: About Religious Studies](#).

English Language Proficiency

For graduate applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized Canadian or American (English or French) institution or from a recognized foreign institution where English is the language of instruction, documented proof of English proficiency is required prior to admission. For a list of acceptable test scores and minimum requirements, visit mcgill.ca/gradapplicants/international/proficiency

3.12.23.3.2 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.

3.12.23.3.2.1 Additional Requirements

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

- Personal Statement – approximately 500 words
- Written Work – recent academic writing

3.12.23.3.3 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the School of Religious Studies and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program.

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.



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

Douglas J. Hall; Donna Runnalls; Frederik Wisse; Katherine K. Young.

Professor (Post-Retirement)

G. Victor Hori.

Professors

Douglas B. Farrow; W.J. Torrance Kirby; Gerbern S. Oegema; Armando Salvatore; Arvind Sharma.

Associate Professors

Lara Braitstein; Daniel Cere; Gaëlle Fiasse; Garth W. Green; Ian H. Henderson; Hillary Kaell; Jim Kanaris; Patricia G. Kirkpatrick; Andrea M. Pinkney; Heidi Wendt.

Assistant Professors

Mikaël Baeur; Rongdao Lai; Samuel Nelson; Hamsa Stainton.

Numata Visiting Professor

Lawrence Y.K.Lau.

Faculty Lecturer

Pablo Irizar Carrillo.

Adjunct Faculty

Chukwuemeka Atansi; Brian A. Butcher; Alyson Huntly; Thupten Jinpa Langri; Lucille Marr; Maylanne Maybee; Sean Joseph McGrath; Jesse Zink.

Associate Member

Eric Caplan; Robert Wisnovsky.

Affiliate Members

Hilary Boget-Winkler; Pierpaolo Ciccarelli; Roland De Vries; George Di Giovanni; Karen Finch; Roberto Formisano; Anne S. Leahy; Heather McCance; Kieko Obuse; Susan J. Palmer; Angelika Piché; Kieko Obuse; Benjamin Schewel; John Simons.

3.12.23.5 Master of Arts (M.A.) Religious Studies (Thesis) (45 credits)

Thesis Courses (27 credits)

RELG 688	(3)	Thesis Research 1
RELG 689	(3)	Thesis Research 2
RELG 698	(9)	Thesis Research 3
RELG 699	(12)	Thesis Research 4

Required Course (3 credits)

RELG 645	(3)	Methods in Religious Studies
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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:

RELG 688	(3)	Thesis Research 1
RELG 689	(3)	Thesis Research 2
RELG 698	(9)	Thesis Research 3
RELG 699	(12)	Thesis Research 4

Required Courses

6 credits from:

RELG 645	(3)	Methods in Religious Studies
WMST 601	(3)	Feminist Theories and Methods

Complementary Courses

12 credits selected from the 500- or 600-level courses accepted by the School of Religious Studies for the granting of a master's degree. Must include within the 12 credits:

Either

WMST 602 (3) Feminist Research Symposium

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
 RELG 646 (6) Research Project 1
 RELG 647 (6) Research Project 2

Complementary Courses (30 credits)

12 credits from Area Studies listed below.

Area Studies:

RELG 644 (3) Biblical Theology
 RELG 648 (3) Church History
 RELG 652 (3) Christian Theology
 RELG 653 (3) Philosophy of Religion
 RELG 656 (3) Theological Ethics
 RELG 663 (3) Comparative Religion

18 credits at the 500 level or higher. Course selection approval is required by the Chair of the Religious Studies Graduate Committee.

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

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

RELG 701	(0)	Major Comprehensive Examination
RELG 702	(0)	Minor Comprehensive Examination
RELG 703	(0)	Oral Comprehensive Examination

Candidates admitted to Ph.D. 1 take a minimum of six graduate seminars during their first year and four seminars during their Ph.D. 2 year; those admitted to Ph.D. 2 must take a minimum of four graduate seminars. If possible, two seminars should be in their area of specialization, and at least one should be at the 700 level.

Language Requirements

Students are required to give their area committee evidence of reading knowledge of two languages other than English. These languages must be chosen from modern languages in which there is a significant amount of scholarship relevant to the student's area of research, or from classical languages relevant to the student's area of research.

Research in some disciplines, or on certain thesis topics, may require proficiency in more than two languages besides English. In that case, additional language requirements may be stipulated by the supervisor.

Doctoral Colloquium

As one of their requirements, all Ph.D. students in residence shall attend the monthly graduate colloquium, at which time a student's thesis project is formally presented and discussed. Each student is required to present an aspect of his or her thesis research to a meeting of the Doktorklub before the thesis is submitted.

3.12.23.11 Doctor of Philosophy (Ph.D.) Religious Studies: Gender and Women's Studies

Thesis

Presentation to Doktorklub of student's thesis research.

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

RELG 701	(0)	Major Comprehensive Examination
RELG 702	(0)	Minor Comprehensive Examination
RELG 703	(0)	Oral Comprehensive Examination
WMST 601	(3)	Feminist Theories and Methods
WMST 602	(3)	Feminist Research Symposium

Students admitted to Ph.D. 1

Students admitted to Ph.D. 1 take a minimum of six (3-credit) graduate seminars during their first year and a minimum of four (3-credit) graduate seminars in Ph.D. 2 including:

WMST 601	(3)	Feminist Theories and Methods
WMST 602	(3)	Feminist Research Symposium

and one 3-credit graduate seminar with a substantive focus on gender and/or women's studies.

One 3-credit graduate seminar must be at the 700 level.

Students entering into Ph.D. 2

Students entering into Ph.D. 2 are required to take a minimum of four (3-credit) graduate seminars including:

WMST 601	(3)	Feminist Theories and Methods
WMST 602	(3)	Feminist Research Symposium

and one 3-credit graduate seminar with a substantive focus on gender and/or women's studies.

One 3-credit graduate seminar must be at the 700 level.

Language Requirements

Modern and ancient languages as stipulated by field of study.

3.12.24 Social Studies of Medicine

3.12.24.1 Location

Department of Social Studies of Medicine
3647 Peel Street
Montreal QC H3A 1X1
Canada
Telephone: 514-398-6033
Email: dept.ssom@mcgill.ca
Website: mcgill.ca/ssom

3.12.24.2 About Social Studies of Medicine

The Department (SSOM) offers graduate studies in two areas:

- Medical Anthropology thesis program, given jointly with the Department of Anthropology;
- Medical Sociology thesis & non-thesis programs, given jointly with the Department of Sociology.

In each program, the student may work toward the M.A. and Ph.D. degrees. All degrees are awarded by the relevant Faculty of Arts department. For further information regarding those departments, please consult the [section 3.12.1: Anthropology](#) or [section 3.12.26: Sociology](#) sections.

The Department (SSOM) is interdisciplinary, with faculty in the fields of medical anthropology and medical sociology. In its programs of graduate studies, it attempts to provide two things: training that is solidly grounded in the discipline of the chosen program, i.e., in anthropology or sociology; and, through seminars and interaction with Department members and other graduate students, exposure to the other disciplines that are represented in the Department. The Department aims to instill in its graduates a combination of disciplinary competence and interdisciplinary perspective.

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

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

[section 3.12.26.8: Master of Arts \(M.A.\) Medical Sociology \(Thesis\) \(45 credits\)](#)

This includes coursework and a research thesis that is based on original research.

[section 3.12.26.12: Master of Arts \(M.A.\) Medical Sociology \(Non-Thesis\) \(45 credits\)](#)

This includes coursework and a research paper based on original research.

Ph.D. Programs

For information on the doctoral programs, please refer to the appropriate Department – [section 3.12.1: Anthropology](#) or [section 3.12.26: Sociology](#).

3.12.24.3 Social Studies of Medicine Admission Requirements and Application Procedures**3.12.24.3.1 Admission Requirements****M.A. in Medical Anthropology**

The program is open to students with backgrounds in the social sciences, the medical professions, or the medical sciences.

M.A. in Medical Sociology

The program is open to students with a background in social sciences, health professions, or health sciences. It aims to prepare candidates for a career of teaching and research in medical sociology, and there is consequently a preference for applicants with the potential to proceed to the doctoral degree.

Ph.D. Programs

Candidates for a Ph.D. will normally have taken their M.A. in the same field. Please refer to the appropriate department: [section 3.12.1: Anthropology](#), or [section 3.12.26: Sociology](#).

3.12.24.3.2 Application Procedures

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

M.A. in Medical Anthropology

Admission is granted by a joint Admissions Committee made up of representatives from Anthropology and SSOM.

For details concerning applications, teaching assistantships, fellowships, etc., see the [Department of Anthropology website](#).

M.A. in Medical Sociology

Admission is granted by representatives from Sociology and SSOM. For details concerning applications, teaching, assistantships, fellowships, etc., see the [Department of Sociology website](#).

Ph.D. Programs

Please refer to the appropriate department: [section 3.12.1: Anthropology](#), or [section 3.12.26: Sociology](#).

3.12.24.3.3 Application Dates and Deadlines

The application deadlines to the Social Studies of Medicine Option may vary depending on the department you are applying to. For more information, please contact the [Graduate Program Coordinator](#) in the department you are interested in.

3.12.24.4 Social Studies of Medicine Faculty**Chair**

Thomas Schlich

Emeritus Professors

Margaret Lock; Allan Young

Professors

Annamarie Adams; Alberto Cambrosio; Jonathan Kimmelman; Thomas Schlich; Andrea Tone; George Weisz

Associate Professors

Jennifer Fishman; Nicholas King; Todd Meyers

Assistant Professors

Phoebe Friesen; Sahar Sadjadi

3.12.25 Social Work**3.12.25.1 Location**

School of Social Work
550 Rue Sherbrooke Ouest, Suite #100, tour Est
Montreal QC H3A 1B9
Canada
Telephone: 514-398-7070

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, taken on a full-time basis, both options involve three terms of study. In both options, part-time study can be arranged.

There are two points of entry into the M.S.W.: one for those who **hold a B.S.W. degree**; and one for those who have completed the one-year **Qualifying year of study** offered by the School of Social Work.



Note: With respect to M.S.W. (Non-Thesis) program and the Qualifying year of study for entry into the M.S.W. (Non-Thesis) program, possession of a working knowledge of the French language is important not only to candidates who intend to seek admission to the Quebec professional *Ordre* after graduation, but also to candidates who wish to maximize their field placement opportunities during their program. Students are expected to be functional in French (comprehension, spoken, and written) for the field placement component of the Qualifying year and the M.S.W. (Non-Thesis) program. Students without proficiency in French will have limited local options and will likely need to complete their field placement in an out-of-province setting in the spring/summer. In consultation with the Field Education Coordinator, such students may have the option of completing their field requirements at an approved social service agency outside of Quebec.

Ph.D. Program in Social Work

The School of Social Work offers a dynamic Ph.D. program in social work/social policy in order to promote the development of scholarship on social issues within Canada and Quebec. Courses are offered in English at McGill. Parallel streams are offered in French at *Université de Montréal* and *Université du Québec à Montréal*. Students have the opportunity of taking courses at all three universities.

The program aims to:

1. prepare graduates for careers in university teaching and research, policy development, implementation and evaluation, practice and program evaluation, 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 Work and the Faculty of Law offer a Master of Social Work (M.S.W.) with integrated Bachelor of Civil Law/Juris Doctor (B.C.L./J.D.) designed to transcend academic boundaries in social justice issues. Lawyers and social workers often operate in the same fields, whether in public policy, child protection, family law, poverty law, or domestic violence situations, yet each profession has been constrained by internal limitations. The joint M.S.W. (Non-Thesis)/Law program requires students to complete 132 credits (45 credits in M.S.W., 87 credits in Law). Students should take three and a half to four years to complete the M.S.W./B.C.L./J.D. program. It is possible, however, to complete the program in three years, by doing work for credit over the summer and by carrying heavier course loads throughout the program. The joint program leads to conferral of the B.C.L./J.D. law degrees and the master's degree in social work. Prospective students possess a B.S.W. degree with prior practice experience or have completed the Qualifying year of study for entry into the M.S.W. (Non-Thesis) program.

section 3.12.25.13: Doctor of Philosophy (Ph.D.) Social Work: McGill/UdeM/UQAM (offered jointly by McGill, Université de Montréal, and Université du Québec à Montréal)

As one of the top Ph.D. programs in Canada, the School of Social Work promotes leading scholarship on social policy and practice. Students work closely with their supervisor, pursuing individualised programs of study, which include coursework, research, and professional development. Faculty have expertise in a variety of areas such as aging; social exclusion; child welfare; international social welfare; Indigenous people and communities; violence against women and children; health and disability; poverty and social development; migration; and community organizing. Students normally take two semesters of coursework after which they complete a comprehensive exam. In the second year of the program, students begin their thesis work and take a course designed to facilitate the research process. Research and writing usually takes two to three years to complete.

McGill offers competitive entrance fellowships, access to computers and library resources, and active student networks. There are many opportunities to be involved in faculty research projects and sessional teaching. Students go on to careers in teaching, organisational leadership, and social policy analysis.

3.12.25.3 Social Work Admission Requirements and Application Procedures

3.12.25.3.1 Admission Requirements

Applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English. Before acceptance, appropriate exam results must be submitted directly from the *TOEFL* (Test of English as a Foreign Language) or *IELTS* (International English Language Testing Systems) Office. An institutional version of the TOEFL is not acceptable. Applications will not be considered if a TOEFL or IELTS test result is not available. For the TOEFL, McGill's institutional code is **0935**.

- Test of English as a Foreign Language (TOEFL) – International applicants must achieve a minimum score of 96* on the Internet-based test.
 - * *Each individual component of reading, writing, listening, and speaking must have a minimum score of 24.*
- The International English Language Testing System (IELTS) – International applicants must achieve a minimum overall band score of 8.0**.
 - ** *Each individual component of reading, writing, listening, and speaking must have a minimum score of 7.5.*

Qualifying Year of Study for Admission to the M.S.W. (Non-Thesis) Program



Note: The Qualifying Year is currently closed for admissions

Applicants who have successfully completed a DCS/DEC from CEGEP plus a minimum of a 90-credit or three-year university degree **or** a high school diploma plus a minimum of a 120-credit or 4-year university degree prior to entry into the Qualifying year with a minimum high B average (GPA 3.2/4.0), and who have completed university-level coursework in Statistics and Human Development Across the Lifespan, by August 15 for a September start date, are admissible to the Qualifying year of Study for Admission to the M.S.W (Non-Thesis) program. Applicants are also expected to have one year of paid or volunteer professional social work experience prior to admission.

M.S.W. (Thesis) and (Non-Thesis) Programs

Applicants who have successfully completed a B.S.W., with a minimum high B average (GPA 3.2/4.0), and who have completed university-level coursework in Statistics and in Human Development Across the Lifespan by August 15 for a September start date, are admissible to the Master of Social Work program. Applicants are also expected to have one year of paid or volunteer professional social work experience prior to admission.

Students who have completed the one-year, full-time Qualifying year of study at the School of Social Work are eligible for direct admission to the M.S.W. (Non-Thesis) program provided they have secured a minimum B+ average in Qualifying courses, and have successfully fulfilled all fieldwork requirements.

M.Sc.A. Program

The master's in Couple and Family Therapy is designed to allow students with an M.S.W. degree, or an equivalent graduate level degree, to receive advanced credit and be eligible for Advanced level entry (minimum of 45 credits) taken over three terms. Admission to the program will be interdisciplinary, with candidates entering from related human science, social science, or helping profession backgrounds such as Social Work, Clinical Psychology, 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.

Joint program: Master of Social Work (M.S.W.) with integrated Bachelor of Civil Law (B.C.L.) / Juris Doctor (J.D.)

Applicants must apply separately for admission to each Faculty. Applicants must meet or surpass the requirements for admission to both the M.S.W. program and to Law and must submit a brief statement explaining their interest in this joint program along with all other required admission materials.

Ph.D. Program

Applicants apply directly to the School of Social Work. Applicants applying to the Ph.D. program must hold a master's degree in social work or, exceptionally, a bachelor's degree in social work with a master's degree in a related subject from an accredited program. However, applicants who hold a master's degree in a related social science discipline with strong research interests and experience in social work/social policy may also be considered. All applicants must also have completed, at the university level, coursework in statistics and in research methods within the last five years.

Criteria considered in weighing applications include:

- quality and relevance of the student's research proposal and one-page narrative;
- quality of reference letters;
- previous experience as demonstrated in the C.V.

3.12.25.3.2 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 only be considered upon receipt of all required documents.

3.12.25.3.2.1 Additional Requirements

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

- Qualifying year of study applicants (see mcgill.ca/socialwork/prospective/qyprogram for forms and guidelines):

- Curriculum Vitae (using form provided)
 - Prerequisite Form (using form provided)
 - Statement of Interest for Social Work
 - Three references (two academic and one professional)
- M.S.W. (Thesis), M.S.W. (Non-Thesis), and M.S.W. with B.C.L. and J.D. applicants (see mcgill.ca/socialwork/prospective/msw for forms and guidelines):
 - Curriculum Vitae (using form provided)
 - Prerequisite Form (using form provided)
 - Statement of Interest or Research Statement for Social Work
 - Three references (two academic and one professional)
- M.Sc.A. applicants (see mcgill.ca/socialwork/prospective/msca for forms and guidelines):
 - Curriculum Vitae (using form provided)
 - Program Application Face Sheet
 - Pre-requisite Form (using form provided)
 - Advanced Standing Form (provided)
 - Letter of Intent
 - Admission Interview (for selected candidates)
 - Three references (one academic and two professional)
- Ph.D. applicants (see mcgill.ca/socialwork/prospective/phd for forms and guidelines):
 - Ph.D. Prerequisite Form
 - Personal Statement (maximum length one page, single-spaced)
 - Ph.D. Curriculum Vitae Form
 - Ph.D. Research Proposal (maximum length five pages, single-spaced, including references. Do not append detailed CV.)
 - Written Work (upload one sample)

3.1225.33 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 Social Work 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.

The Qualifying year and M.S.W. deadlines below apply to all application documents, except university transcripts and references, which must be received by January 15.

The Qualifying Year is currently closed for admissions

Qualifying year, M.S.W.				
	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

M.Sc.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:	Sep. 15	Dec. 15	Dec. 15 (<i>Application</i>) Jan. 15 (<i>University transcripts and References</i>)	Dec. 15 (<i>Application</i>) Jan. 15 (<i>University transcripts and References</i>)
Winter Term:	N/A	N/A	N/A	N/A

M.Sc.A.				
	Application Opening Dates		Application Deadlines	
Summer Term:	N/A	N/A	N/A	N/A

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

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

3.12.25.4 Social Work Faculty

Director

Nico Trocmé

Professors

Cindy Blackstock; Delphine Collin-Vézina; Myriam Denov; Michael MacKenzie; James Torczyner; Nico Trocmé.

Associate Professors

Sharon Bond; Shari Brotman; Jill Hanley; Nicole Ives; Julia Krane; Lucyna Lach; Heather MacIntosh; Marjorie Rabiau; Tamara Sussman.

Assistant Professors

Alicia Boatswain-Kyte; Régine Debrose; Wanda Gabriel; Charles Gyan; Zack Marshall; Katherine Maurer; Pam Orzeck.

Coordinator of Field Education

Francine Granner; Nicole Mitchell.

3.12.25.5 Qualifying Year (for Entry into M.S.W. Non-Thesis)

The Qualifying Year is currently closed for admissions.

Applicants admitted to the Qualifying year are immersed, over two terms of full-time study only, in coursework and fieldwork to provide the foundational knowledge for an exciting career in social work through the continuation of the M.S.W. Non-Thesis program. This full-time Qualifying year of study comprises 15 credits per term. Students who complete the one-year full-time Qualifying year of study at the School of Social Work are eligible for direct entry into the M.S.W. program (Non-Thesis only) provided they have secured a minimum B- grade in each Qualifying year course and have successfully fulfilled all fieldwork requirements. Applications to the Qualifying year are accepted for Fall admission only, and for full-time study only, as this is an integrated program of study for the entire year that cannot be taken out of sequence.

For more information, please visit the School of Social Work website: mcgill.ca/socialwork.

3.12.25.6 Master of Science, Applied (M.Sc.A.) Couple and Family Therapy (Non-Thesis) (60 credits)

This master's-level clinical program (non-thesis) emphasizes clinical understanding and training in couple and family therapy applicable to multidisciplinary clinical professionals in which family systems and related theories can inform clinical practice. The general objectives of the program are to train clinical professionals in couple and family psychotherapy by integrating contemporary theory, research competence and varied approaches to therapy in the understanding and treatment of families today. It will produce graduates with competencies in the assessment and treatment of families across the life cycle with skills that can be applied to specialized psychotherapy practice in health and community settings. Program graduates will fulfil the requirements for both the Couple and Family Therapy permit (OTSTCFQ) and the Psychotherapy permit (OPQ).

Required Courses (57 credits)

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 develop critical and innovative approaches to practice competence and to policy analysis such that they may contribute to both established social services and to new and less developed areas of service provision.

Research Project (9 credits)

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 agency outside of Quebec.

Complementary Courses (18 credits)

18 credits of 500- or 600-level courses; up to 6 credits in total may be taken outside the School.

3.12.25.10 Master of Social Work (M.S.W.) Social Work (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 degree requirements in Social Work and who wish to take 6 credits of approved coursework to focus on gender, sexuality, feminist, and women's studies and issues in feminist research and methods.

Research Project (9 credits)

SWRK 690 (9) Independent Study Project

Required Courses (21 credits)**Revision, June 2022. Start of revision.**

SWRK 605 (3) Anti-Racist Social Work Practice
SWRK 650 (3) Field Work Practicum 1
SWRK 651 (3) Field Work Practicum 2
SWRK 653 (3) Research Methods 1
SWRK 660 (6) Field Work Practicum 3
WMST 601 (3) Feminist Theories and Methods

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, but also to those who wish to maximize their field placement opportunities during their program. In consultation with the Field Education Coordinator, students may have the option of completing their field requirements at an approved social service agency outside of Quebec.

Complementary Courses (15 credits)

3 credits from the following:

WMST 602 (3) Feminist Research Symposium

OR

3 credits of WMST at the 500 or 600 level;

OR

3 credits in another department approved as a complementary course to the Option in Gender and 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.

3.12.25.11 Master of Social Work (M.S.W.) Social Work (Non-Thesis): International Partner Program (45 credits)

Qualifying Period (summer) (9 credits)

SWRK 350	(3)	Social Work Skills Laboratory
SWRK 353	(3)	Introduction to Practice
SWRK 485	(3)	Tutorial in Social Work Practice

- Program-specific Activities

- Intensive English

Required Courses (24 credits)

SWRK 633**	(3)	Program Evaluation
SWRK 643**	(3)	Research Methods 2
SWRK 650*	(3)	Field Work Practicum 1
SWRK 651*	(3)	Field Work Practicum 2
SWRK 653**	(3)	Research Methods 1
SWRK 660*	(6)	Field Work Practicum 3
SWRK 690*	(9)	Independent Study Project

* These courses will be undertaken in the home community in the second year, as has been the case for previous cohorts.

** Students take SWRK 633 or SWRK 643 or SWRK 653.

Complementary Courses (21 credits)

21 credits of SWRK courses at the 500 or 600 level. Up to 6 credits in total may be taken outside the Department.

3.12.25.12 Bachelor of Law (B.C.L.)/Juris Doctor (J.D.) & Master of Social Work (M.S.W.) (Joint B.C.L./J.D. & M.S.W.) Law & Social Work (Non-Thesis) (132 credits)

A joint Master of Social Work (M.S.W.) with integrated Bachelor of Civil Law (B.C.L.) and Juris Doctor (J.D.) program is offered by the School of Social Work and the Faculty of Law.

Students complete 45 credits for the M.S.W. degree and 87 credits for the integrated B.C.L. and J.D. degrees for a total of 132 credits.

Required Courses - Social Work (30 credits)

SWRK 643	(3)	Research Methods 2
SWRK 650	(3)	Field Work Practicum 1
SWRK 651	(3)	Field Work Practicum 2
SWRK 653	(3)	Research Methods 1
SWRK 660	(6)	Field Work Practicum 3
SWRK 691	(12)	Social Work / Law Independent Study Project

Complementary Courses - Social Work (15 credits)

Students complete 15 credits of SWRK courses at the 500 or 600 level. Up to 6 graduate-level credits may be taken outside the School of Social Work with the approval of the Academic Adviser.

Required Courses - Law (46 credits)

First Year

The following 32 credits of courses may be taken only in the first year:

LAWG 100D1	(3)	Contractual Obligations
LAWG 100D2	(3)	Contractual Obligations
LAWG 101D1	(3)	Extra-Contractual Obligations/Torts
LAWG 101D2	(3)	Extra-Contractual Obligations/Torts
LAWG 102D1	(3)	Criminal Justice
LAWG 102D2	(3)	Criminal Justice
LAWG 110D1	(1.5)	Integration Workshop
LAWG 110D2	(1.5)	Integration Workshop
PUB2 101D1	(3)	Constitutional Law
PUB2 101D2	(3)	Constitutional Law
PUB3 116D1	(0)	
PUB3 116D2	(0)	

Second Year

The following 13 credits of courses may be taken only in the second year:

LAWG 210	(3)	Legal Ethics and Professionalism
LAWG 220D1	(3)	Property
LAWG 220D2	(3)	Property
PROC 124	(4)	Judicial Institutions and Civil Procedure

The following 1 credit course may be taken in any year after completing the first year:

PRAC 200	(1)	Advocacy
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Complementary Courses (12 credits)

Civil Law Immersion Courses

3 credits from the following list of civil law courses:

BUS2 561	(3)	Insurance
LAWG 506	(3)	Advanced Civil Law Property
PROC 200	(3)	Advanced Civil Law Obligations
PROC 549	(3)	Lease, Enterprise, Suretyship
PRV2 270	(3)	Law of Persons
PRV4 548	(3)	Administration Property of Another and Trusts

Common Law Immersion Courses

3 credits from the following list of common law courses:

PRV3 200	(3)	Advanced Common Law Obligations
PRV3 534	(3)	Remedies
PRV4 500	(3)	Restitution
PRV4 549	(3)	Equity and Trusts

Social Diversity, Human Rights and Indigenous Law Courses

3 credits from the following courses:

CMPL 500	(3)	Indigenous Peoples and the State
CMPL 504	(3)	Feminist Legal Theory
CMPL 511	(3)	Social Diversity and Law
CMPL 516	(3)	International Development Law
CMPL 565	(3)	International Humanitarian Law
CMPL 571	(3)	International Law of Human Rights
CMPL 573	(3)	Civil Liberties
CMPL 575	(3)	Discrimination and the Law
IDFC 500	(3)	Indigenous Field Studies
LAWG 503	(3)	Inter-American Human Rights
LAWG 505	(3)	Critical Engagements with Human Rights
LAWG 507	(3)	Critical Race Theory Advanced Seminar
LEEL 369	(3)	Labour Law
LEEL 582	(3)	Law and Poverty
PUB2 105	(3)	Public International Law
PUB2 500	(3)	Law and Psychiatry
PUB2 502	(3)	International Criminal Law
PUB2 551	(3)	Immigration and Refugee Law
PUB3 515	(3)	Canadian Charter of Rights and Freedoms

Principles of Canadian Administrative Law

3 credits from the following courses:

BUS1 532	(3)	Bankruptcy and Insolvency
BUS2 504	(3)	Securities Regulation
CMPL 543	(3)	Law and Practice of International Trade
CMPL 574	(3)	Government Control of Business
CMPL 575	(3)	Discrimination and the Law
CMPL 577	(3)	Communications Law
CMPL 580	(3)	Environment and the Law
LEEL 369	(3)	Labour Law
LEEL 570	(3)	Employment Law
LEEL 582	(3)	Law and Poverty
PRV4 545	(3)	Land Use Planning
PRV5 483	(3)	Consumer Law
PUB2 400	(3)	The Administrative Process
PUB2 401	(3)	Judicial Review of Administrative Action
PUB2 500	(3)	Law and Psychiatry
PUB2 551	(3)	Immigration and Refugee Law

Elective Courses (29 credits)

Students must take 29 other elective courses offered within the Faculty or approved as credit equivalencies in order to complete the 132-credit degree requirement.

Minimum Writing Requirement

All students are required to submit at least one research paper. This requirement may be satisfied by:

- a) writing an essay in a course in which the essay constitutes no less than 75% of the final grade;
- b) writing a term essay under independent supervision, for credit, within the Faculty of Law;
- c) writing an article, note, or comment of equivalent substance that is published or accepted for publication in the McGill Law Journal and approved by the Faculty Adviser to that publication.

Papers written jointly do not satisfy this requirement.

3.12.25.13 Doctor of Philosophy (Ph.D.) Social Work: McGill/UdeM/UQAM

(Offered jointly by McGill and Université de Montréal.)

Thesis

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

Required Courses

SWRK 701	(0)	Comprehensive Examination
SWRK 720	(3)	Thought and Theory Development in Social Work
SWRK 721	(3)	Advanced Integrative Seminar

Complementary Courses

One of the following courses:

SWRK 722	(3)	Advanced Seminar: Social Work Intervention
SWRK 723	(3)	Advanced Seminar on Social Policy

One of the following courses:

SWRK 724	(3)	Advanced Research Methods and Analysis: Quantitative Data
SWRK 725	(3)	Advanced Qualitative Research Methods and Data Analysis

One course in Social Work or a related discipline.

3.12.26 Sociology

3.12.26.1 Location

Department of Sociology
Stephen Leacock Building, Room 712
855 Sherbrooke Street West
Montreal QC H3A 2T7
Canada
Graduate Program and Admission Information:
Telephone: 514-398-4300
Fax: 514-398-7476
Email: graduate.sociology@mcgill.ca
Website: mcgill.ca/sociology

3.12.26.2 About Sociology

The Department offers training leading to the following degrees:

- Master of Arts in Medical Sociology (Thesis and Non-Thesis) with the Social Studies of Medicine Department
- Master of Arts in Sociology (Thesis and Non-Thesis)
- Master of Arts in Sociology – Development Studies Option (Thesis and Non-Thesis)
- Master of Arts in Sociology – Gender and Women’s Studies Option (Thesis and Non-Thesis)
- Master of Arts in Sociology – Population Dynamics Option (Non-Thesis)
- Doctor of Philosophy in Sociology
- Doctor of Philosophy in Sociology – Gender and Women’s Studies Option
- Doctor of Philosophy in Sociology – Population Dynamics Option

The Department of Sociology has very high standards and an excellent record of placing students in both academic and non-academic careers in institutions ranging from the University of Chicago and Berkeley to StatsCan and 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 degree in Sociology, and those who wish to enter sociology for the first time. McGill is an excellent venue because the program involves rigorous training in methodology. Academically inclined students have gone on to higher degrees, some at McGill and others at other universities; the training offered has allowed others to go to varied careers, not least as teachers in CEGEPs. This program is designed to be completed within 12 months.

section 3.12.26.10: Master of Arts (M.A.) Sociology (Non-Thesis): Development Studies (45 credits)

This program is for students with a particular interest in development—an area in which McGill is very strong. Many students from this program have gone on to further research, but several have entered the world of non-governmental organizations—with some going on to work for the U.N. Students enter through one of the participating departments and must meet the M.A. requirements of that unit. Students will take an interdisciplinary seminar and a variety of graduate-level courses on international development issues. The research paper must be on a topic related to development studies, approved by the Development Studies Option Coordinating Committee. This program is designed to be completed within 12 months.

section 3.12.26.11: Master of Arts (M.A.) Sociology (Non-Thesis): Gender and Women's Studies (45 credits)

This interdisciplinary program is for students who meet the degree requirements in Sociology and who wish to earn 6 credits of approved coursework focusing on gender and women's studies, and in issues in feminist research and methods. The student's research paper must be on a topic centrally relating to issues of gender and/or women's studies. The program is designed to be completed within 12 months.

section 3.12.26.13: Master of Arts (M.A.) Sociology (Non-Thesis): Population Dynamics (45 credits)

The purpose of the Population Dynamics Option (PDO) 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 focuses on a particular population issue such as population health, migration, aging, family dynamics, and/or labour markets and skills acquisition. Students will attend at least five of the seminars given in the Social Statistics and Population Dynamics Seminar series. Research Projects must be on a topic relating to population dynamics, approved by the PDO coordinating committee.

Ph.D. Program Options***section 3.12.26.14: Doctor of Philosophy (Ph.D.) Sociology***

There are two ways to enter the Ph.D. program. Some students are fast-tracked (i.e., from a B.A. degree without having to complete an M.A. in Sociology), as Ph.D. 1 students; they take 12 substantive courses, in addition to various thesis requirements, and are trained in qualitative and quantitative research methods and in research design. Other students, typically those with an M.A. in Sociology, are considered as Ph.D. 2 students; they typically take six substantive courses, in addition to various thesis requirements—although further courses may be required if their methodological skills do not meet the standards required by the Department. Our Social Statistics Laboratory allows students to make systematic use of quantitative data sources. All students must pass two area exams and present a thesis proposal before turning to the thesis itself, which may take the form of a single piece of research, or a set of articles on a particular theme.

section 3.12.26.15: Doctor of Philosophy (Ph.D.) Sociology: Gender and Women's Studies

This interdisciplinary program is for students who meet the Ph.D. requirements in Sociology and who wish to earn 6 credits of approved coursework focusing on gender and women's studies, and on issues in feminist research and methods. The thesis or set of articles must relate to issues of gender and/or women's studies.

section 3.12.26.16: Doctor of Philosophy (Ph.D.) Sociology: Population Dynamics

This program aims to provide advanced graduate training in demographic methods (including life table analyses) and enhance students' knowledge of critical population issues. As such, students will be required to take a course on demographic methods and an 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 focuses on a particular population issue such as population health, migration, aging, family dynamics, and/or labour markets and skills acquisition. Students will attend at least five of the seminars given in the Social Statistics and Population Dynamics Seminar series. Dissertation topics must be related to population dynamics and approved by the Population Dynamics Option (PDO) coordinating committee.

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, three years is the minimum residency requirement for students entering at the Ph.D. 1 level (those students without an M.A.) and two years for students entering at the Ph.D. 2 level (those with an M.A.).

3.12.26.3.2 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 note that the dossier must be complete before the applicant will be considered for entrance to the graduate program.

3.12.26.3.2.1 Additional Requirements

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

- GRE – required for applicants who have not received a degree from a Canadian university
- Personal Statement (maximum 1,000 words)
- Writing Sample – can be in the form of a graded paper or a chapter from a thesis and must be at least 30 typewritten pages in length translated into English or French

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

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. 7	Jan. 7	Jan. 7
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 Admissions Committee announces its selections by mid-March and the end of April.

3.12.26.4 Sociology Faculty**Chair**

Shelley Clark

Undergraduate Program Director

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

Sarah Brauner-Otto; Jason Carmichael; Aniruddha (Bobby) Das; Thomas Soehl; Zoua Vang; Elaine Weiner.

Assistant Professors

Alexis Dennis; Jan Doering; Barry Eidlin; Jennifer Elrick; Peter McMahan; Luca Maria Pesando; Poulami Roychowdhury.

Associate Members

Alberto Cambrosio; Jennifer Fishman; Matissa Hollister; Anthony Masi.

Adjunct Professor

Lara Gautier

Emeritus Professors

John A. Hall; Maurice Pinard.

3.12.26.5 Master of Arts (M.A.) Sociology (Thesis) (45 credits)**Thesis Courses (30 credits)**

SOCI 690	(3)	M.A. Thesis 1
SOCI 691	(6)	M.A. Thesis 2
SOCI 693	(3)	M.A. Thesis 4
SOCI 694	(18)	M.A. Thesis 5

Required Courses (12 credits)

SOCI 504	(3)	Quantitative Methods 1
SOCI 580	(3)	Social Research Design and Practice
SOCI 600	(3)	Qualitative Research Methods 1
SOCI 625D1	(0)	Professional Development Seminar in Sociology
SOCI 625D2	(0)	Professional Development Seminar in Sociology
SOCI 652	(3)	Current Sociological Theory

All students must have taken the required courses or take them during the first year of the program. Students granted an exemption from any one or more of these courses by the Graduate Studies Committee must substitute another substantive seminar in its place.

Complementary Course (3 credits)

One 3-credit course, which may be in a cognate field, chosen from the following (subject to the approval of the Graduate Committee.)

SOCI 506	(3)	Quantitative Methods 3
SOCI 507	(3)	Social Change
SOCI 508	(3)	Medical Sociology and Social Psychiatry
SOCI 510	(3)	Seminar in Social Stratification
SOCI 512	(3)	Ethnicity and Public Policy
SOCI 513	(3)	Social Aspects HIV/AIDS in Africa
SOCI 514	(3)	Criminology
SOCI 515	(3)	Medicine and Society
SOCI 519	(3)	Gender and Globalization
SOCI 520	(3)	Migration and Immigrant Groups
SOCI 525	(3)	Health Care Systems in Comparative Perspective
SOCI 526	(3)	Indigenous Women's Health and Healthcare
SOCI 529	(3)	Political Sociology 1
SOCI 530	(3)	Sex and Gender
SOCI 535	(3)	Sociology of the Family
SOCI 538	(3)	Selected Topics in Sociology of Biomedical Knowledge
SOCI 545	(3)	Sociology of Population
SOCI 550	(3)	Developing Societies
SOCI 555	(3)	Comparative Historical Sociology
SOCI 560	(3)	Labour and Globalization
SOCI 571	(3)	Deviance and Social Control
SOCI 588	(3)	Biosociology/Biodemography
SOCI 590	(3)	Social Conflict and Violence
SOCI 595	(3)	Immigration Control and The State
SOCI 601	(3)	Qualitative Research Methods 2
SOCI 621	(3)	Fixed and Random Effects
SOCI 622	(3)	Event History Analysis
SOCI 623	(3)	Latent Variable Models
SOCI 624	(3)	Social Networks
SOCI 631D1	(3)	Informing Social Policy with Canadian Data
SOCI 631D2	(3)	Informing Social Policy with Canadian Data
SOCI 720	(3)	Reading in Social Theory
SOCI 730	(3)	Reading and Research

3.12.26.6 Master of Arts (M.A.) Sociology (Thesis): Development Studies (45 credits)

The M.A. thesis must be on a topic relating to development studies, approved by the Development Studies Option (DSO) coordinating committee.

Thesis Courses (30 credits)

SOCI 690	(3)	M.A. Thesis 1
SOCI 691	(6)	M.A. Thesis 2
SOCI 693	(3)	M.A. Thesis 4
SOCI 694	(18)	M.A. Thesis 5

Required Courses (15 credits)

INTD 657	(3)	Development Studies Seminar
SOCI 504*	(3)	Quantitative Methods 1
SOCI 580*	(3)	Social Research Design and Practice
SOCI 600*	(3)	Qualitative Research Methods 1
SOCI 625D1	(0)	Professional Development Seminar in Sociology
SOCI 625D2	(0)	Professional Development Seminar in Sociology
SOCI 652*	(3)	Current Sociological Theory

* All students must have taken these courses or take them during the first year of the program. Students granted an exemption from any one or more of these courses by the Graduate Studies Committee must substitute another substantive seminar in its place.

3.12.26.7 Master of Arts (M.A.) Sociology (Thesis): Gender and Women's Studies (45 credits)**Thesis Courses (27 credits)**

Preparation and completion of a thesis on a topic approved by the supervisor and by participating faculty members in the Gender and Women's Studies program.

SOCI 691	(6)	M.A. Thesis 2
SOCI 693	(3)	M.A. Thesis 4
SOCI 694	(18)	M.A. Thesis 5

Required Courses (15 credits)

SOCI 504*	(3)	Quantitative Methods 1
SOCI 580*	(3)	Social Research Design and Practice
SOCI 600*	(3)	Qualitative Research Methods 1
SOCI 625D1	(0)	Professional Development Seminar in Sociology
SOCI 625D2	(0)	Professional Development Seminar in Sociology
SOCI 652*	(3)	Current Sociological Theory
WMST 601	(3)	Feminist Theories and Methods

* All students must have taken these courses or take them during the first year of the program. Students granted an exemption from any one or more of these courses by the Graduate Studies Committee must substitute another substantive seminar in its place.

Complementary Course (3 credits)

3 credits at the 500, 600, or 700 level including:

WMST 602	(3)	Feminist Research Symposium
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or one 3 credit course on gender/women's studies issues at the 500, 600, or 700 level (may be taken outside the Department).

3.12.26.8 Master of Arts (M.A.) Medical Sociology (Thesis) (45 credits)

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), which may be in a cognate field, subject to the approval of the graduate committee.

SOCI 506	(3)	Quantitative Methods 3
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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 4

Required Courses (18 credits)

SOCI 504*	(3)	Quantitative Methods 1
SOCI 580*	(3)	Social Research Design and Practice
SOCI 600	(3)	Qualitative Research Methods 1
SOCI 603	(3)	Bibliographic Methods 1
SOCI 604	(3)	Bibliographic Methods 2
SOCI 625D1	(0)	Professional Development Seminar in Sociology
SOCI 625D2	(0)	Professional Development Seminar in Sociology
SOCI 652*	(3)	Current Sociological Theory

* All students must have taken these courses or take them during the first year of the program. Students granted an exemption from any one or more of these courses by the Graduate Studies Committee must substitute another substantive seminar in its place.

Complementary Courses (9 credits)

3 credits, ONE of the following courses:

SOCI 515	(3)	Medicine and Society
SOCI 538	(3)	Selected Topics in Sociology of Biomedical Knowledge

3 credits, one graduate-level course in History of Medicine.

3 credits, one graduate-level course in Social Studies of Medicine.

3.12.26.13 Master of Arts (M.A.) Sociology (Non-Thesis): Population Dynamics (45 credits)

The Population Dynamics Option (PDO) is open to Masters (non-thesis) students in Sociology specializing in Population Dynamics. The purpose of this program is to provide graduate training in demographic methods (including life table analyses) and enhance students' knowledge of critical population issues. As such, students will be required to take a course on demographic methods and an overview substantive course on the key population issues facing societies today. In addition, students will take one complementary course in Sociology; Economics; or Epidemiology, Biostatistics, and Occupational Health, which focusses on a particular population issue such as population health, migration, aging, family dynamics, and labour markets and skills acquisition. Students will attend at least five of the seminars given in the Social Statistics and Population Dynamics Seminar series. Research projects must be on a topic relating to population dynamics, approved by the PDO coordinating committee.

Research Project (18 credits)

SOCI 696	(3)	Research Paper 1
SOCI 697	(3)	Research Paper 2
SOCI 699	(12)	Research Paper 4

Required Courses (24 credits)

SOCI 504	(3)	Quantitative Methods 1
SOCI 545	(3)	Sociology of Population
SOCI 580	(3)	Social Research Design and Practice
SOCI 600	(3)	Qualitative Research Methods 1
SOCI 603	(3)	Bibliographic Methods 1
SOCI 604	(3)	Bibliographic Methods 2
SOCI 625D1	(0)	Professional Development Seminar in Sociology
SOCI 625D2	(0)	Professional Development Seminar in Sociology

SOCI 626	(3)	Demographic Methods
SOCI 652	(3)	Current Sociological Theory

All students must have taken these courses or take them during the first year of the program. Students granted an exemption from any one or more of these courses by the Graduate Studies Committee must substitute another substantive seminar at the 500 level or higher in its place.

Complementary Course (3 credits)

3 credits at the 500 level or higher related to population dynamics selected from the following:

ECON 634	(3)	Economic Development 3
ECON 641	(3)	Labour Economics
ECON 734	(3)	Economic Development 4
ECON 741	(3)	Advanced Labour Economics
ECON 742	(3)	Empirical Microeconomics
ECON 744	(3)	Health Economics
EPIB 648	(3)	Methods in Social Epidemiology
EPIB 681	(3)	Global Health: Epidemiological Research
PPHS 501	(3)	Population Health and Epidemiology
PPHS 527	(3)	Economics for Health Services Research and Policy
PPHS 528	(3)	Economic Evaluation of Health Programs
PPHS 529	(3)	Global Environmental Health and Burden of Disease
PPHS 615	(3)	Introduction to Infectious Disease Epidemiology
SOCI 502	(3)	Sociology of Fertility
SOCI 512	(3)	Ethnicity and Public Policy
SOCI 513	(3)	Social Aspects HIV/AIDS in Africa
SOCI 520	(3)	Migration and Immigrant Groups
SOCI 525	(3)	Health Care Systems in Comparative Perspective
SOCI 526	(3)	Indigenous Women's Health and Healthcare
SOCI 535	(3)	Sociology of the Family
SOCI 588	(3)	Biosociology/Biodemography

3.12.26.14 Doctor of Philosophy (Ph.D.) Sociology

The Ph.D. in Sociology is a professional degree program designed to prepare students for careers in academia as well as research and policy positions in both the public and private sectors. The program focuses on quantitative and qualitative methodology and sub-fields within the discipline. The dissertation should represent a unique contribution to the discipline and to the sub-field. The Ph.D. in Sociology is a professional degree program designed to prepare students for careers in academia as well as research and policy positions in both the public and private sectors. The program focuses on quantitative and qualitative methodology and sub-fields within the discipline. The dissertation should represent a unique contribution to the discipline and to the sub-field.

Thesis

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

Required Courses

A minimum of three years of study is required.

SOCI 625D1	(0)	Professional Development Seminar in Sociology
SOCI 625D2	(0)	Professional Development Seminar in Sociology
SOCI 702	(0)	Ph.D. Proposal Approval

SOCI 703	(0)	Bibliographic Methods 3
SOCI 704	(0)	Bibliographic Methods 4
SOCI 705	(0)	PhD Comprehensive Examination

Ph.D. candidates must take a comprehensive examination in two sub-fields within sociology by August of their Ph.D. 3 year. These sub-fields will be chosen from the Department's areas of specialization.

Ph.D. candidates are required to submit a thesis on an approved topic. 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
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 620	(3)	Quantitative Methods 2
SOCI 621	(3)	Fixed and Random Effects
SOCI 622	(3)	Event History Analysis

SOCI 623	(3)	Latent Variable Models
SOCI 624	(3)	Social Networks
SOCI 626	(3)	Demographic Methods
SOCI 631D1	(3)	Informing Social Policy with Canadian Data
SOCI 631D2	(3)	Informing Social Policy with Canadian Data
SOCI 720	(3)	Reading in Social Theory
SOCI 730	(3)	Reading and Research

6 credits from one of the following streams:

Qualitative Stream

3 credits from the following:

SOCI 601	(3)	Qualitative Research Methods 2
SOCI 602	(3)	Comparative-Historical Methods

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.

0-12 credits from the following:

Students who have not taken the courses listed below must make up the deficiencies in addition to the regular coursework:

SOCI 504	(3)	Quantitative Methods 1
SOCI 580	(3)	Social Research Design and Practice
SOCI 600	(3)	Qualitative Research Methods 1
SOCI 652	(3)	Current Sociological Theory

If you are admitted at the Ph.D. 1 level and an exemption is obtained for one or more of the four courses above, another one must then be substituted in its place.

3.12.26.15 Doctor of Philosophy (Ph.D.) Sociology: Gender and Women's Studies

The Ph.D. in Sociology: Gender and Women's Studies focuses on an interdisciplinary specialization in feminist, women's, and gender studies. The Ph.D. dissertation must be on a topic that significantly engages with issues of gender and/or women and/or feminism.

Thesis

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

Required Courses (6 credits)

A minimum of three years of study is required.

Ph.D. candidates must take a comprehensive examination in two subfields within sociology by August of their Ph.D. 3 year. These fields will be chosen from the Department's areas of specialization.

Ph.D. candidates are required to submit a thesis on an approved topic. The topic must be approved by a dissertation proposal committee convened by the student's dissertation supervisor. The thesis should be completed within five years after the initial residency period of two to three years. Further details on the requirements and regulations for the thesis and the fields in which the Department is prepared to direct research may be obtained from the Sociology website at: <http://www.mcgill.ca/sociology/faculty> and at <http://www.mcgill.ca/gps/thesis>.

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.

6 credits from the following 500-, 600-, or 700-level courses chosen from among the elective courses listed in the Sociology Department course offerings.
3 of the 6 credits must be on Gender & Women's Issues.

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 & 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 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 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

0-12 credits from the following:

SOCI 504	(3)	Quantitative Methods 1
SOCI 580	(3)	Social Research Design and Practice
SOCI 600	(3)	Qualitative Research Methods 1

SOCI 652 (3) Current Sociological Theory

If you are admitted at the Ph.D. 1 level and an exemption is obtained for one or more of the four courses above, another one, at the 500-level or higher, must then be substituted in its place.

3.12.26.16 Doctor of Philosophy (Ph.D.) Sociology: Population Dynamics

The Population Dynamics Option (PDO) is open to PhD students in Sociology specializing in Population Dynamics. The purpose of this program is to provide graduate training in demographic methods (including life table analyses) and enhance students' knowledge of critical population issues. As such, students will be required to take a course on demographic methods and an overview substantive course on the key population issues facing societies today. In addition, students will take one complementary course in Sociology; Economics; or Epidemiology, Biostatistics, and Occupational Health, which focusses on a particular population issue such as population health, migration, aging, family dynamics, and labour markets and skills acquisition. Students will attend at least five of the seminars given in the Social Statistics and Population Dynamics Seminar series. Dissertation topics must be related to population dynamics and approved by the PDO coordinating committee.

Thesis

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

Required Courses (6 credits)

A minimum of three years of study is required.

SOCI 545	(3)	Sociology of Population
SOCI 625D1	(0)	Professional Development Seminar in Sociology
SOCI 625D2	(0)	Professional Development Seminar in Sociology
SOCI 626	(3)	Demographic Methods
SOCI 702	(0)	Ph.D. Proposal Approval
SOCI 703	(0)	Bibliographic Methods 3
SOCI 704	(0)	Bibliographic Methods 4
SOCI 705	(0)	PhD Comprehensive Examination

Ph.D. candidates must take a comprehensive examination in two sub-fields within sociology by August of their Ph.D. 3 year. These fields will be chosen from the Department's areas of specialization. In this option, one of these fields must be in Population Dynamics.

Ph.D. candidates are required to submit a thesis on an approved topic. The topic must be approved by a dissertation proposal committee convened by the student's dissertation supervisor. The thesis should be completed within five 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
SOCI 535	(3)	Sociology of the Family
SOCI 588	(3)	Biosociology/Biodemography

6 credits from 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.

0-12 credits from the following:

Students who have not taken the courses listed below must make up the deficiencies in addition to the regular coursework:

SOCI 504	(3)	Quantitative Methods 1
SOCI 580	(3)	Social Research Design and Practice
SOCI 600	(3)	Qualitative Research Methods 1
SOCI 652	(3)	Current Sociological Theory

If you are admitted at the Ph.D. 1 level and an exemption is obtained for one or more of the four courses above, another one must then be substituted in its place.

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

4.2.1 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)

4.2.2 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.

4.2.3 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.

4.3 Important Dates

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

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 regarding admissions and application procedures for Graduate and Postdoctoral Studies.

4.7 Fellowships, Awards, and Assistantships

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

4.8 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.

4.8.1 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.).

4.8.2 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. Privileges

- i. Postdocs have the same pertinent rights as the ones granted to McGill students under [mcgill.ca/students/srr](#), and those granted by the policies listed at [mcgill.ca/secretariat/policies-and-regulations](#).
- ii. Postdocs have full graduate student borrowing privileges in McGill libraries through their identity card.
- iii. As a general rule, postdocs may take courses for credit as Special Students following the admissions procedures outlined at [mcgill.ca/gradapplicants/apply/prepare/visiting](#). [Tuition and other charges](#) will apply.
- iv. Postdocs may be listed in the McGill directory.
- v. Access to sports facilities may be purchased on a monthly basis through McGill Athletics and Recreation.
- vi. Postdoctoral Fellows and Scholars are mandatory members of the Post-Graduate Students' Society (PGSS) and an annual association fee is automatically charged.
- vii. Postdocs are permitted membership in the Faculty Club; an annual fee will be charged for this membership.
- viii. Postdocs are encouraged to participate in Professional Development Workshops provided by Graduate and Postdoctoral Studies, and Teaching and Learning services. These sessions are usually free of charge.
- ix. Postdocs have 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.

4.8.3 Vacation Policy for Postdocs

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

4.8.4 Leave of Absence for Health and Parental/Familial Reasons

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

Such a leave must be requested on a term-by-term basis and may be granted for a period of up to 52 weeks. For a maternity or parental leave, the eligibility period of a maximum of 52 consecutive weeks is determined based on when the child is born; if the leave is interrupted for one or two terms, the eligibility period cannot be extended. Students and Postdocs must make a request for such a leave in writing to their department and submit a medical certificate. The department shall forward the request to Enrolment Services. See the procedure in [University Regulations & Resources > Graduate > section 1.2.8: Leave of Absence Status](#).

Students who have been granted such a leave will have to register for the term(s) in question and their registration will show as "leave of absence" on their record. No tuition fees will be charged for the duration of the authorized leave. Research supervisors are not obligated to remunerate students and Postdocs on leave. A summary table of various leave policies (paid or unpaid) for students and Postdocs paid from the Federal and Quebec Councils through fellowships or research grants is available at mcgill.ca/gps/funding/getting-paid under "Leave Policies and Form."

4.8.5 Postdoctoral Research Trainees

Eligibility

If your situation does not conform to the Government of Quebec's definition of a Postdoctoral Fellow, you may be eligible to attend McGill as a Postdoctoral Research Trainee. While at McGill, you can perform research only (you may not register for courses or engage in clinical practice). Medical specialists who will have clinical exposure and require a training card must register through Postgraduate Medical Education of the Faculty of Medicine and Health Sciences—not Graduate and Postdoctoral Studies.

The category of Postdoctoral Research Trainee is for:

Category 1: An individual who has completed requirements for the Doctoral degree or medical specialty, but whose degree/certification has not yet been awarded. An individual in this category will subsequently be eligible for registration as a Postdoctoral Fellow.

Category 2: An individual who is not eligible for Postdoctoral Registration according to the Government of Quebec's definition, but is a recipient of an external postdoctoral award from a recognized Canadian funding agency.

Category 3: An individual who holds a professional degree (or equivalent) in a regulated health profession (as defined under CIHR-eligible health profession) and is enrolled in a program of postgraduate medical education at another institution. This individual wishes to conduct the research stage or elective component of their program of study at McGill University under the supervision of a McGill professor. This individual will be engaged in full-time research with well-defined objectives, responsibilities, and methods of reporting. Applications must be accompanied by a letter of permission from the applicant's home institution (signed by the Department Chair, Dean, or equivalent) confirming registration in their program and stating the expected duration of the research stage. Individuals who are expecting to spend more than one year are encouraged to obtain formal training (master's or Ph.D.) through application to a relevant graduate program.

Category 4: An individual with a regulated health professional degree (as defined under CIHR-eligible health profession), but not a Ph.D. or equivalent or medical specialty training, but who fulfils criteria for funding on a tri-council operating grant or by a CIHR fellowship (up to maximum of five years post-degree).



Note: Individuals who are not Canadian citizens or permanent residents must inquire about eligibility for a work permit.

General Conditions

- The maximum duration is three years
- The individual must be engaged in full-time research
- The individual must provide copies of official transcripts/diplomas
- The individual must have the approval of a McGill professor to supervise the research and of the Unit
- The individual must have adequate proficiency in English, but is not required to provide official proof of English competency to Enrolment Services
- The individual must comply with regulations and procedures governing research ethics and safety and obtain the necessary training
- The individual will be provided access to McGill libraries, email, and required training in research ethics and safety. Any other University services must be purchased (e.g., access to athletic facilities)
- The individual must arrange for basic health insurance coverage prior to arrival at McGill and may be required to provide proof of coverage

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. Frejje, 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. Iaffrancesco, 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. Ouatik, S. Papageorgakopoulos, M. Pasoff, J. Patel, O. Peloso, J.T.A.T. Pham, T. Phan, K. Rafla, L. Rainville, H. Rajchgot, C. Reis-Figueiredo, J.L. Retter, V. Reuveni, R. Rezaei, D.N. Richmond, S.A. Rico-Vargas, J. Rizkallah, C. Robin, C. Rode, J. Rouleau, S.M. Ruckenstein, A. Ruest, B. Salis, B. Schneider, E. Schneidman, J. Seguin, M. Senye, M. Sgro, N. Shahidi, A. Sherman, M.E. Silver, W.L. Steinman, P. Sweet, A. Taheri, N.R.G. Thorpe, S. Tikhonova, B. Toukmanian, C. Tra, C. Tse-Wallerstein, P. Van Wijlen, B. Wazirian, P.R. Weinstein, J. Werbit, J.A. Werbit, C. Yea, N.G. Yoffe, N.A.A. Zaki.

Adjunct Professors

H. Abd-UI-Salam, Z. Badran, T.V. Dao, S. Gravel; K. El Kholy, Y. Kawai, N. Kishimoto, G. Lavigne, J.M. Retrouvey, L. Stone, J.N. Vergnes, F Tamimi, L. Stone.

Associate Members

H.F. Al-Jallad, E.L. Franco, S.D. Wurzba, R.S. Naeini.

4.12.1.5 Master of Science (M.Sc.) Dental Sciences (Thesis) (45 credits)**Thesis Courses (24-33 credits)**

DENT 650	(3)	Thesis Research 1
DENT 651	(6)	Thesis Research 2
DENT 652	(9)	Thesis Research 3
DENT 653	(15)	Thesis Research 4

Required Courses (6 credits)

DENT 505	(3)	Epidemiology and Data Analysis in Primary Care 1
DENT 663	(1)	Principles of Health Research
DENT 671D1	(1)	Advanced Research Seminar
DENT 671D2	(1)	Advanced Research Seminar

Complementary Courses (6-15 credits)

6-15 credits chosen from the following courses:

DENT 504	(3)	Biomaterials and Bioperformance
DENT 509	(3)	Epidemiology and Data Analysis in Primary Care 2
DENT 610	(3)	Introduction to Craniofacial Research
DENT 654	(3)	Mechanisms and Management of Pain
DENT 664	(1)	Health Research Communications
DENT 665	(1)	Leadership and Management Skills in Research
DENT 672	(1)	Applied Mixed Methods in Health Research
DENT 679	(3)	Epidemiology and Data Analysis in Primary Care 3
DENT 681	(1)	Readings in Dentistry and Health Research 1
DENT 682	(2)	Readings in Dentistry and Health Research 2
DENT 683	(3)	Readings in Dentistry and Health Research 3
DENT 685	(3)	Theory of Dental Public Health
DENT 686	(2)	Illness Experience and Social Determinants of Health

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's position in research and possibilities for collaboration.

Thesis

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

Required Courses (12 Credits)

DENT 663	(1)	Principles of Health Research
DENT 664	(1)	Health Research Communications
DENT 665	(1)	Leadership and Management Skills in Research
DENT 671D1	(1)	Advanced Research Seminar
DENT 671D2	(1)	Advanced Research Seminar
DENT 700	(1)	Comprehensive Exam Skills
DENT 701	(0)	PhD Comprehensive Examination
DENT 786D1	(3)	Foundations in Oral Health Science
DENT 786D2	(3)	Foundations in Oral Health Science

Complementary Courses (6-12 credits)

* 6-12 credits from the following:

DENT 504	(3)	Biomaterials and Bioperformance
DENT 610	(3)	Introduction to Craniofacial Research
DENT 654	(3)	Mechanisms and Management of Pain
DENT 669	(3)	Extracellular Matrix Biology
DENT 672	(1)	Applied Mixed Methods in Health Research
DENT 681	(1)	Readings in Dentistry and Health Research 1
DENT 682	(2)	Readings in Dentistry and Health Research 2
DENT 683	(3)	Readings in Dentistry and Health Research 3
DENT 685	(3)	Theory of Dental Public Health
DENT 706	(3)	Advanced Seminar in Qualitative Health Research

* The number of Complementary credits each student must take is determined with their supervisor, depending on the student's background.

Note: Courses at the 500 level or higher in other departments can be chosen in consultation with their supervisors and the program director.

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 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

5.2 Graduate and Postdoctoral Studies

5.2.1 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)

5.2.2 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.

5.2.3 Graduate and Postdoctoral Studies' Mission

The mission of Graduate and Postdoctoral Studies (GPS) is to promote university-wide academic excellence for graduate and postdoctoral education at McGill. GPS provides leadership and strategic direction across the university in close collaboration with the academic and administrative units, and the graduate and postdoctoral community.

5.3 Important Dates

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

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
- Coursework for Graduate Programs, Diplomas, and Certificates

5.6 Graduate Admissions and Application Procedures

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

- Application for Admission
- Admission Requirements
- Application Procedures
- Competency in English

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

5.7 Fellowships, Awards, and Assistantships

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

5.8 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.

5.8.1 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.).

5.8.2 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. Privileges

- i. Postdocs have the same pertinent rights as the ones granted to McGill students under [mcgill.ca/students/srr](#), and those granted by the policies listed at [mcgill.ca/secretariat/policies-and-regulations](#).
- ii. Postdocs have full graduate student borrowing privileges in McGill libraries through their identity card.
- iii. As a general rule, postdocs may take courses for credit as Special Students following the admissions procedures outlined at [mcgill.ca/gradapplicants/apply/prepare/visiting](#). [Tuition and other charges](#) will apply.
- iv. Postdocs may be listed in the McGill directory.
- v. Access to sports facilities may be purchased on a monthly basis through McGill Athletics and Recreation.
- vi. Postdoctoral Fellows and Scholars are mandatory members of the Post-Graduate Students' Society (PGSS) and an annual association fee is automatically charged.
- vii. Postdocs are permitted membership in the Faculty Club; an annual fee will be charged for this membership.
- viii. Postdocs are encouraged to participate in Professional Development Workshops provided by Graduate and Postdoctoral Studies, and Teaching and Learning services. These sessions are usually free of charge.
- ix. Postdocs have 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.

5.8.3 Vacation Policy for Postdocs

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

5.8.4 Leave of Absence for Health and Parental/Familial Reasons

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

Such a leave must be requested on a term-by-term basis and may be granted for a period of up to 52 weeks. For a maternity or parental leave, the eligibility period of a maximum of 52 consecutive weeks is determined based on when the child is born; if the leave is interrupted for one or two terms, the eligibility period cannot be extended. Students and Postdocs must make a request for such a leave in writing to their department and submit a medical certificate. The department shall forward the request to Enrolment Services. See the procedure in [University Regulations & Resources > Graduate > section 1.2.8: Leave of Absence Status](#).

Students who have been granted such a leave will have to register for the term(s) in question and their registration will show as "leave of absence" on their record. No tuition fees will be charged for the duration of the authorized leave. Research supervisors are not obligated to remunerate students and Postdocs on leave. A summary table of various leave policies (paid or unpaid) for students and Postdocs paid from the Federal and Quebec Councils through fellowships or research grants is available at mcgill.ca/gps/funding/getting-paid under "Leave Policies and Form."

5.8.5 Postdoctoral Research Trainees

Eligibility

If your situation does not conform to the Government of Quebec's definition of a Postdoctoral Fellow, you may be eligible to attend McGill as a Postdoctoral Research Trainee. While at McGill, you can perform research only (you may not register for courses or engage in clinical practice). Medical specialists who will have clinical exposure and require a training card must register through Postgraduate Medical Education of the Faculty of Medicine and Health Sciences—not Graduate and Postdoctoral Studies.

The category of Postdoctoral Research Trainee is for:

Category 1: An individual who has completed requirements for the Doctoral degree or medical specialty, but whose degree/certification has not yet been awarded. An individual in this category will subsequently be eligible for registration as a Postdoctoral Fellow.

Category 2: An individual who is not eligible for Postdoctoral Registration according to the Government of Quebec's definition, but is a recipient of an external postdoctoral award from a recognized Canadian funding agency.

Category 3: An individual who holds a professional degree (or equivalent) in a regulated health profession (as defined under CIHR-eligible health profession) and is enrolled in a program of postgraduate medical education at another institution. This individual wishes to conduct the research stage or elective component of their program of study at McGill University under the supervision of a McGill professor. This individual will be engaged in full-time research with well-defined objectives, responsibilities, and methods of reporting. Applications must be accompanied by a letter of permission from the applicant's home institution (signed by the Department Chair, Dean, or equivalent) confirming registration in their program and stating the expected duration of the research stage. Individuals who are expecting to spend more than one year are encouraged to obtain formal training (master's or Ph.D.) through application to a relevant graduate program.

Category 4: An individual with a regulated health professional degree (as defined under CIHR-eligible health profession), but not a Ph.D. or equivalent or medical specialty training, but who fulfils criteria for funding on a tri-council operating grant or by a CIHR fellowship (up to maximum of five years post-degree).



Note: Individuals who are not Canadian citizens or permanent residents must inquire about eligibility for a work permit.

General Conditions

- The maximum duration is three years
- The individual must be engaged in full-time research
- The individual must provide copies of official transcripts/diplomas
- The individual must have the approval of a McGill professor to supervise the research and of the Unit
- The individual must have adequate proficiency in English, but is not required to provide official proof of English competency to Enrolment Services
- The individual must comply with regulations and procedures governing research ethics and safety and obtain the necessary training
- The individual will be provided access to McGill libraries, email, and required training in research ethics and safety. Any other University services must be purchased (e.g., access to athletic facilities)
- The individual must arrange for basic health insurance coverage prior to arrival at McGill and may be required to provide proof of coverage

5.9 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

5.10 Graduate Student Services and Information

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

- Service Point
- Student Rights & 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

5.11 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

5.12 Browse Academic Units & Programs

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

5.12.1 Educational and Counselling Psychology

5.12.1.1 Location

Department of Educational and Counselling Psychology
 Education Building, Room 614
 3700 McTavish Street
 Montreal QC H3A 1Y2
 Canada
 Telephone – Program Information: 514-398-4242
 Fax: 514-398-6968
 Email: ecpinfo.education@mcgill.ca
 Website: mcgill.ca/edu-ecp

5.12.1.2 About Educational and Counselling Psychology

The Department of Educational and Counselling Psychology (ECP) programs and research examine the interplay between complex human systems (cognitive, social, emotional, behavioural, and biological) to maximize (a) learning, (b) wellness and (c) human development in multiple settings and throughout the lifespan.

More specifically, they examine issues pertaining to cognitive processes and developmental neuroscience, assessment and intervention, and the design and evaluation of learning environments and instructional practices, with both typical and atypical populations in mind. While ECP's primary disciplinary bases are psychology and education, it contributes to and is enriched by extended interdisciplinary collaborations with, among others, medicine and other health professions; neurosciences; computer science; science; social work and policy; and law.

In undertaking our programs, you benefit from having access to the [McGill Psychoeducational and Counselling Clinic](#) and the [Departmental Assessment Materials Resource Centre](#). To develop their professional skills in assessment, therapy, and supervision, you're equipped with the latest standardised materials and a state-of-the-art venue within which to conduct psychological and cognitive assessments.

Our professional programs also have established connections with world-class public and private organizations, which include health care facilities and school boards where you receive supervised training for internships and practica. Our faculty members are involved in intra- and interdisciplinary collaborative research locally, nationally, and internationally. These networks offer you valuable exposure to, and connection with, different research laboratories, research leaders, and professional organizations. You benefit from international mobility programs and specialized training offered in specific locations. Working closely with faculty members in their research teams, our students enrolled in research-based **M.A.** and **Ph.D.** programs have proven very successful in obtaining major external fellowships from bodies such as [SSHRC](#), [FQRSC](#), [FRQS](#), and [CIHR](#).

Our graduates secure careers in a varied and rewarding range of settings. These include, but are not limited to: academic and research settings; professional psychology (counselling and school psychology); specialized and innovative teaching; educational research; development and leadership at all levels (e.g., schools, colleges and universities; school boards; ministries of education); staff development; and education in the professions.

Detailed graduate degree descriptions are available in the following sections:

- [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. Please note these are all non-thesis options. The M.Ed. program in Educational Psychology offers concentrations in:

- General Educational Psychology
- General Educational Psychology (Project)
- Inclusive Education
- Inclusive Education (Project)
- Learning Sciences

Doctor of Philosophy (Ph.D.) Degrees

Students can obtain a Ph.D. degree in:

1. Counselling Psychology
2. Educational Psychology with concentrations in:
 - Human Development
 - Learning Sciences
3. School/Applied Child Psychology

Postdoctoral Degrees

The Department of Educational and Counselling Psychology offers one postdoctoral diploma:

- Post-Ph.D. Graduate Diploma in School/Applied Child Psychology *Please note that admission to this program is currently suspended*

Graduate Student Policies and Responsibilities

In addition to University regulations, students enrolled in degree programs in ECP must adhere to Department specific [Graduate Student Policies and Responsibilities](#):

- The [Graduate Supervision Policy](#) specifies who can act as supervisors for ECP graduate students.
- The [Guidelines for Doctoral Dissertation Preparation and Supervisory Committee Responsibilities](#) pertains to doctoral dissertation preparation and the roles and responsibilities of the supervisory committee.
- The [Graduate Student Tracking Policy](#) outlines the mandatory progress reporting that is required of all registered graduate students pursuing a Thesis or Research Program (MA thesis, MA Non-Thesis Project, and PhD programs).
- The [Social Media Policy](#) helps students to determine how they can best balance the benefits of social media engagement with the potential adverse risks and consequences.

Advising

For information about these graduate programs please view our website at mcgill.ca/edu-ecp/prospective.

Please contact us at admissions.ecp@mcgill.ca for any questions related to the admissions process for any of the above programs.

Professional Accreditation

The MA in Counselling Psychology - Professional/Internship concentration (non-thesis) qualifies graduates for membership in the *Ordre des conseillers et conseillères d'orientation du Québec* (OCCOQ). 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 take a combination of theoretical, practical, and research-based courses throughout the duration of their degree. The program draws upon a number of different sciences (including developmental, social, career and neuropsychology and personality theory) to develop critically astute researchers and exceptionally skilled clinicians. Building on the M.A. in Counselling Psychology (Project concentration), or

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 mental health services. The program is currently accredited by the Canadian Psychological Association (CPA), and the *Ordre des psychologues du Québec* (OPQ) (Please note that the APA no longer accredits programs outside of the United States of America). Graduates are eligible for licensure in Quebec.

For further information, consult the [website](#).

Graduate Degrees in School/Applied Psychology**section 5.12.1.8: Master of Arts (M.A.) School/Applied Child Psychology (Non-Thesis) (60 credits)**

The MA in School/Applied Child Psychology (SACP) is a research-based, non-thesis degree that requires completion of a research project per program guidelines. SACP at McGill prepares the next generation of school psychologists to provide state of the art educational and mental health services to children and adolescents from birth to 21 years old. Coursework, clinical experiences, field and community service, and research activities are designed to enhance and develop the professional skills and the knowledge base of our students. In McGill's scientist-practitioner training model, research supports and improves our clinical activities; and clinical activities support and inspire our research. McGill's School/Applied Child Psychology faculty and students are among the most productive research units in North America. Professional school psychologists educated at McGill become leaders in research and higher education, school-based practice, hospital-based positions, independent practice, mental health centres, and policy-making roles.

Typically, students entering the M.A. program choose to apply to the Ph.D. in School/Applied Child Psychology program which builds upon the foundation gained in the M.A. degree. Upon completion of the M.A. and Ph.D. programs, students are eligible for licensure as Psychologists with the *Ordre des psychologues du Québec* (OPQ).

For further information, consult the [website](#).

section 5.12.1.9: Doctor of Philosophy (Ph.D.) School/Applied Child Psychology

The Ph.D. in School/Applied Child Psychology is the second degree in a sequential pair of programs, the first of which is the the M.A. (non-thesis) Research Project in School/Applied Child Psychology or former M.A. in Educational Psychology, School/Applied Child Psychology (thesis) concentration (closed for admission as of Fall 2014).

Most students in the doctoral program completed their M.A. in the Department of Educational and Counselling Psychology although students can apply for direct entry into the Ph.D. program with a master's degree obtained at another institution.

At both the M.A. and Ph.D. levels, students take a combination of theoretical, practical, and research-based courses throughout the course of their degree. Students will complete a research project at the M.A. level and a thesis at the Ph.D. level of study.

Extending upon the M.A. degree, the program's focus remains on the improvement of the educational and psychological well-being of children and the education of school psychologists in a manner consistent with the highest international standards in the field. Students explore a variety of topics including mental health, child development, school organization, learning processes, behaviour, motivation, and effective teaching. They are prepared to become inquiring professionals committed to the development of children and youth and they receive intensive training in clinical practice with children and families, as well as in basic and applied research.

The program develops clinical skills through intensive assessment courses, a Clinic Practicum, Field Placement, and a full-year Internship. Typically, our graduates go on to practise school psychology across a range of environments including private practice, academia, hospitals, and school boards. The Ph.D. program is accredited by the Canadian Psychological Association (CPA) and the *Ordre des psychologues du Québec* (OPQ). Graduates are eligible for licensure in Quebec.

For further information, consult the [website](#).

section 5.12.1.10: Graduate Diploma (Gr. Dip.) School/Applied Child Psychology (Post-Ph.D.)

Note: Applications to the Post-Ph.D program are suspended until further notice.

For further information, consult the [website](#).

Graduate Degrees in Educational Psychology**Master of Education (M.Ed.) Educational Psychology (Non-Thesis) (48 credits)**

The Master of Education (M.Ed.) program is designed to provide students with an appropriate foundation through course work, with opportunities to apply skills and theories through a variety of field placements, and with the possibility of delving further into an area of interest through research or

Master of Education (M.Ed.) Educational Psychology (Non-Thesis) (48 credits)

curricular-development activities. The M.Ed. can be completed on a full-time basis in two years or on a part-time basis over three to five years (the part-time option is not applicable to the Project concentrations). Most of our courses are offered in the evening to accommodate students who are working during the day. Although many M.Ed. students have a teaching degree, a significant proportion of our students hold degrees in psychology, sociology, the health sciences, or other related disciplines.

There are five active concentrations in the M.Ed. : General Educational Psychology, General Educational Psychology Project, Inclusive Education, Inclusive Education Project, and Learning Sciences. Each provides a specially tailored path to the common goals as described above, enabling innovative educators to add advanced knowledge and skills while developing their ability to contribute to new knowledge and skills in their areas of specialization.

- a. General Educational Psychology:** Focuses on core areas of educational psychology, permitting students with specific experiences and career paths to tailor the program to their particular situations. In addition to a small number of required core courses, students may select courses in learning theories, human development, diversity, and inclusion. Application towards the growth and enhancement of knowledge and practice in a variety of formal and informal educational settings.

See [section 5.12.1.11: Master of Education \(M.Ed.\) Educational Psychology \(Non-Thesis\): General Educational Psychology \(48 credits\)](#).

- b. General Educational Psychology (Project)** Focuses on core areas of educational psychology, providing students with the flexibility to design a program that satisfies their professional and academic needs. The program provides a foundation in core areas of educational psychology through courses on learning theories, motivation, human development, and diverse classroom populations, complemented by research skill development. The program provides opportunities to study one area in greater depth or to add diverse course experiences and complete a research project.

See [section 5.12.1.12: Master of Education \(M.Ed.\) Educational Psychology \(Non-Thesis\): General Educational Psychology: Project \(48 credits\)](#).

- c. Inclusive Education:** With roots in Developmental Science, Philosophy, and Human rights, this concentration prepares students to work with diverse individuals in a variety of settings that emphasize inclusive practice. 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.

See [section 5.12.1.13: Master of Education \(M.Ed.\) Educational Psychology \(Non-Thesis\): Inclusive Education \(48 credits\)](#).

- d. Inclusive Education (Project):** Focuses on diversity in developmental behaviour and attainment, and eco-systemic and cultural models of teaching, learning, and assessment. Students will be trained in application and practice through behaviour, literacy assessment and intervention, differentiated teaching planning objectives, and the completion of a Research Project. Application in school, community, and other settings to develop inclusive practices.

See [section 5.12.1.14: Master of Education \(M.Ed.\) Educational Psychology \(Non-Thesis\): Inclusive Education: Project \(48 credits\)](#).

- e. Learning Sciences:** Focuses on the study of learning as it occurs in real-world situations, and in the ways in which learning may be facilitated in designed environments. Application in instructional design including the use of technology, program/curriculum development and evaluation.

See [section 5.12.1.15: Master of Education \(M.Ed.\) Educational Psychology \(Non-Thesis\): Learning Sciences \(48 credits\)](#).

For further information, consult the [website](#).

Master of Arts (M.A.) Educational Psychology (Thesis) (48 credits)

The aim of the M.A. (Thesis) in Educational Psychology is to produce graduates who:

1. are broadly trained in educational psychology;
2. have sufficient research competence to critically evaluate research in educational psychology, and to design, conduct, and report empirical research; and
3. have experience in applying research methods and findings to the solution of practical problems in varied educational settings.

Candidates are required to select and follow the set of courses in one of three concentrations of study, select a topic for research, and present the results of such research in a thesis.

The program offers **three concentrations**:

1. **The Health Professions Education concentration** (mcgill.ca/edu-ecp/programs/healthprofessions) is dedicated to the preparation of qualified researchers, developers, and practitioners who can advance the scientific understanding and practice of teaching and learning as they happen in the health professions and throughout the lifespan. The program is for health professionals who are interested in conducting educational research and working on development projects (e.g., program, curriculum, faculty) as well as for educational psychology graduate students who are interested in issues related to medical education and education in other health professions.

The program will produce a graduate who can recognize the role of education in a health professions context, who has sufficient research competence to conduct empirical research in health education settings, and who can apply research results to solve practical problems in this field. The program is offered in collaboration with the <https://www.mcgill.ca/ihse/> and affiliated faculty. Graduate supervision is done jointly.

See [section 5.12.1.16: Master of Arts \(M.A.\) Educational Psychology \(Thesis\): Health Professions Education \(45 credits\)](#).

2. **The Human Development concentration** (mcgill.ca/edu-ecp/programs/humandev) focuses on core areas of human development such as cognitive, language, social, personality, and gender development among children and adolescents with diverse trajectories and from various family, educational, and community contexts. The program is unique in examining developmental trajectories from a variety of interdisciplinary perspectives. These work should focus on an issue in the field of human development related to educational psychology.

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 appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program.

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

Counselling Psychology, Educational Psychology and School/Applied Child Psychology programs (MA, MEd or PhD)

	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. 01	Dec. 01	Dec. 01
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.

5.12.1.3.2 M.A. in Counselling Psychology (Non-Thesis)

The M.A. in Counselling Psychology program offers the following two concentrations:

1. Professional/Internship (coursework and internship based)
2. Project (research based)

Information on application procedures, deadlines, supporting documents, and contact information for the M.A. in Counselling Psychology: Project and Professional/Internship concentrations, can be found on the [department website](#).

5.12.1.3.3 Ph.D. in Counselling Psychology

Information on application procedures, deadlines, supporting documents, and contact information for the Ph.D. in Counselling Psychology can be found on the [department website](#).

5.12.1.3.4 M.A. in School/Applied Child Psychology

Information on application procedures, deadlines, supporting documents, and contact information for the M.A. in School/Applied Child Psychology can be found on the [department website](#).

5.12.1.3.5 Ph.D. in School/Applied Child Psychology

Information on application procedures, deadlines, supporting documents, and contact information for the Ph.D. in School/Applied Child Psychology can be found on the [department website](#).

5.12.1.3.6 Post-Ph.D. Graduate Diploma in School/Applied Child Psychology

Please note that admission to the Post-Ph.D. program is currently suspended.

5.12.1.3.7 M.Ed. in Educational Psychology (Non-Thesis)

This program offers five concentrations:

1. General Educational Psychology
2. General Educational Psychology: Project
3. Inclusive Education
4. Inclusive Education: Project
5. Learning Sciences

Information on application procedures, deadlines, supporting documents, and contact information for the M.Ed. concentrations in Educational Psychology can be found on the [department website](#).

5.12.1.3.8 M.A. in Educational Psychology (Thesis)

This program offers three concentrations:

1. Learning Sciences
2. Health Professions Education
3. Human Development

Information on application procedures, deadlines, supporting documents, and contact information for the M.A. concentrations in Educational Psychology can be found on the [department website](#).

5.12.1.3.9 Ph.D. in Educational Psychology**5.12.1.3.9.1 Admission Requirements**

The two concentrations offered are:

1. Human Development

2. Learning Sciences

Information on application procedures, deadlines, supporting documents, and contact information for the **Ph.D. in Educational Psychology: Human Development** concentration can be found on the [department website](#).

Information on application procedures, deadlines, supporting documents, and contact information for the **Ph.D. in Educational Psychology: Learning Sciences** concentration can be found on the [department website](#).

5.12.1.4 Educational and Counselling Psychology Faculty

Chair

Victoria Talwar

Program Directors

Armando Bertone – *School/Applied Child Psychology*

Michael Hoover – *Learning Sciences, Health Professions Education*

Ada Sinacore – *Counselling Psychology, Graduate Certificate in Counselling Applied to Teaching*

Gigi Luk – *Human Development, M.Ed. Concentrations in Educational Psychology*

Emeritus Professors

Mark W. Aualls; Robert J. Bracewell; Janet G. Donald; Florent R. Dumont; Marilyn Fitzpatrick; Carl H. Frederiksen; Lynn McAlpine; Eigil Pedersen; Alenoush Saroyan; Bruce M. Shore; Cynthia B. Weston.

Professors

Jacob A. Burack; Jeffrey L. Derevensky; Martin Drapeau; Nancy L. Heath; Susanne P. Lajoie; Krista Muis; Victoria Talwar.

Associate Professors

Armando Bertone; Alain Breuleux; Adam Dubé; Tara Flanagan; Nathan Hall; Michael L. Hoover; Chiaki Konishi; Annett Körner; Gigi Luk; Eve-Marie Quintin; Jessica Ruglis; Steven R. Shaw; Ada L. Sinacore; Ingrid E. Sladeczek; Ronald Stringer; Caroline Temcheff.

Assistant Professors

Marie-Claude Geoffroy; Bassam El-Khoury; Rachel Langevin; Tina Montreuil; Marie-Hélène Pennestri; Kristy Robinson; Dennis Wendt; Shanna Williams.

Faculty Lecturer

Karen Cohen-Gazith.

Associate Members

Reut Gruber; Vera Romano; Brett D. Thombs; Ashley Wazana; Jeffrey G. Wiseman.

Associate Professors (Non-Tenure Track)

Marcia A.B. Delcourt; Laura Winer.

Assistant Professors (Non-Tenure Track)

Judith Norton

Adjunct Professors

Sylvie Beauchamp; Nicola Gazzola; Thomas Goetz; Mi Song Kim; Marina Milyavskaya; Katherine Moxness; Eric Poitras; Robert Savage; Anastassios Stalikas; Boris Vucovic.

5.12.1.5 Master of Arts (M.A.) Counselling Psychology (Non-Thesis): Professional/Internship (60 credits)

** This program is currently closed to admissions **.

For more information, see www.mcgill.ca/study/faculties/education/graduate/gps_edu_educational_counselling_psychology.

Required Internship (24 credits)

EDPC 677 (3) Internship Research Seminar: Quantitative Studies

EDPC 678	(3)	Internship Research Seminar: Qualitative Studies
EDPC 679D1	(3)	Internship: General 1
EDPC 679D2	(3)	Internship: General 1
EDPC 683	(3)	Practicum in Psychological Testing: Personality Assessment
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 electives not listed below requires the approval of the Program Director.

EDPC 616	(3)	Individual Reading Course
EDPC 670	(3)	Current Trends in Counselling

5.12.1.6 Master of Arts (M.A.) Counselling Psychology (Non-Thesis): Project (60 credits)

For more information, see www.mcgill.ca/study/faculties/education/graduate/gps_edu_educational_counselling_psychology.

Required Courses (57 credits)

EDPC 606	(3)	Theories of Intervention 1
EDPC 609	(3)	Psychological Testing 1
EDPC 615	(3)	Assessment and Diagnosis 1
EDPC 619	(3)	Research Project 1
EDPC 620	(3)	Research Project 2
EDPC 621	(3)	Research Project 3
EDPC 625	(6)	Clinic Practicum 1
EDPC 626	(6)	Clinic Practicum 2
EDPC 628	(3)	Research Project 4
EDPC 629	(3)	Research Project 5
EDPC 630	(3)	Research Project 6
EDPC 662	(3)	Career Psychology

EDPC 683	(3)	Practicum in Psychological Testing: Personality Assessment
EDPC 684	(3)	Practicum in Psychological Testing: Cognitive Assessment
EDPE 622	(3)	Multiculturalism and Gender
EDPE 627	(3)	Ethical and Professional Practice of Psychology
EDPE 676	(3)	Intermediate Statistics

Complementary Courses (3 credits)

3 credits from the following:

EDPE 682	(3)	Univariate/Multivariate Analysis
EDPE 687	(3)	Qualitative Methods in Educational Psychology

5.12.1.7 Doctor of Philosophy (Ph.D.) Counselling Psychology

For more information, www.mcgill.ca/study/faculties/education/graduate/gps_edu_educational_counselling_psychology.

Thesis

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

Required Courses (30 credits)

EDPC 701	(0)	Comprehensive Examination
EDPC 702	(3)	Assessment and Diagnosis 2
EDPC 714	(3)	Theory / Models: Family Therapy
EDPC 720	(3)	Consultation and Program Evaluation
EDPC 780	(6)	Supervision
EDPC 782	(6)	Doctoral Field Experience
EDPC 786	(6)	Proposal Preparation and Defense
EDPE 712	(3)	Neurological Bases of Behaviour Across Lifespan

Required Internship (24 credits)

EDPC 795	(24)	Pre-doctoral Internship
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Complementary Courses (6 credits)

6 credits from the following:

EDPE 682	(3)	Univariate/Multivariate Analysis
EDPE 684	(3)	Applied Multivariate Statistics
EDPE 687	(3)	Qualitative Methods in Educational Psychology

Elective Courses (6 credits)

Two courses that must be at the 500, 600, or 700 level. Electives are on topics related to specialized interests and must be approved by the supervisor.

5.12.1.8 Master of Arts (M.A.) School/Applied Child Psychology (Non-Thesis) (60 credits)

For more information please see: www.mcgill.ca/study/faculties/education/graduate/gps_edu_educational_counselling_psychology.

Required Courses (60 credits)

EDPE 620	(3)	Developmental Psychopathology
EDPE 622	(3)	Multiculturalism and Gender
EDPE 627	(3)	Ethical and Professional Practice of Psychology
EDPE 676	(3)	Intermediate Statistics
EDPE 682	(3)	Univariate/Multivariate Analysis
EDPI 654	(3)	Instruction/Curriculum Adaptation
EDSP 600D1	(1.5)	School Psychology Seminar
EDSP 600D2	(1.5)	School Psychology Seminar
EDSP 609	(3)	Introduction to Cognitive Assessment
EDSP 610	(3)	Introduction to Psycho-educational Assessment
EDSP 611	(3)	History, Theory and Best Practices in School Psychology
EDSP 619	(3)	Child and Adolescent Therapy
EDSP 650D1	(1.5)	Professional Practice in School Setting
EDSP 650D2	(1.5)	Professional Practice in School Setting
EDSP 682D1	(3)	Psycho-Educational Assessment & Intervention Practicum
EDSP 682D2	(3)	Psycho-Educational Assessment & Intervention Practicum
EDSP 691	(3)	Research Project 1
EDSP 692	(3)	Research Project 2
EDSP 693	(3)	Research Project 3
EDSP 694	(3)	Research Project 4
EDSP 695	(3)	Research Project 5
EDSP 696	(3)	Research Project 6

5.12.1.9 Doctor of Philosophy (Ph.D.) School/Applied Child Psychology

The School/Applied Child Psychology program at McGill University prepares the next generation of school psychologists to provide state of the art educational and mental health services to children and adolescents from birth to 21 years old. Course work, clinical experiences, field and community service, and research activities are designed to enhance and develop the professional skills and the knowledge base of our students. In McGill's scientist-practitioner training model, research supports and improves our clinical activities; and clinical activities support and inspire our research. McGill's School/Applied Child Psychology faculty and students are among the most productive research units in North America. Professional school psychologists educated at McGill become leaders in research and higher education, school-based practice, hospital-based positions, independent practice, mental health centres, and policy making roles.

For more information, see www.mcgill.ca/study/faculties/education/graduate/gps_edu_educational_counselling_psychology.

Thesis

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

Required Comprehensive Exam

EDSP 701	(0)	Comprehensive Examination
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Required Courses (60 credits)

24 credits

EDPC 714	(3)	Theory / Models: Family Therapy
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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 automatically eligible for membership in the OPQ and the right to practise professional psychology in Quebec. Candidates wishing to practise in Quebec will be required to apply to the OPQ for the recognition of equivalent qualifications.

5.12.1.11 Master of Education (M.Ed.) Educational Psychology (Non-Thesis): General Educational Psychology (48 credits)

The M.Ed. in Educational Psychology; Non-Thesis-General Educational Psychology focuses on core areas of educational psychology, including learning theories, human development, diversity, and inclusion. Application towards the growth and enhancement of knowledge and practice in a variety of formal and informal educational settings.

Required Courses (21 credits)

EDPE 502	(3)	Theories of Human Development
EDPE 535	(3)	Instructional Design
EDPE 575	(3)	Statistics for Practitioners
EDPE 602	(3)	Uses of Research Findings in Education
EDPE 635	(3)	Theories of Learning and Instruction
EDPE 670	(3)	Educational Assessment and Evaluation
EDPI 642	(3)	Inclusion: Past, Present and Future

Complementary Courses (24 credits)

24 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 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 667	(3)	Promoting Social and Emotional Well-Being

Elective Courses (3 credits)

3 credits at the 500- or 600-level of courses offered by the Department or from other departments or faculties with approval of the Program Director.

5.12.1.12 Master of Education (M.Ed.) Educational Psychology (Non-Thesis): General Educational Psychology: Project (48 credits)

The M.Ed. in Educational Psychology: Non-Thesis - General Educational Psychology-Project focuses on core areas of educational psychology, including learning theories, human development, diversity, and inclusion. Application towards the growth and enhancement of knowledge and practice in a variety of formal and informal educational settings. Provides an opportunity to focus on an issue in the field of educational psychology by completing a research project.

Required Courses (33 credits)

EDPE 502	(3)	Theories of Human Development
EDPE 535	(3)	Instructional Design
EDPE 575	(3)	Statistics for Practitioners
EDPE 602	(3)	Uses of Research Findings in Education
EDPE 635	(3)	Theories of Learning and Instruction
EDPE 670	(3)	Educational Assessment and Evaluation

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
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 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
EDPI 526	(3)	Supporting Students' Strengths and Talents
EDPI 527	(3)	Creativity and its Cultivation
EDPI 543	(3)	Family, School and Community
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

5.12.1.13 Master of Education (M.Ed.) Educational Psychology (Non-Thesis): Inclusive Education (48 credits)

The M.Ed. in Educational Psychology: Non-Thesis-Inclusive Education focuses on the major theories and practices in the field of inclusive education, including diversity in development, and ecological models of teaching, learning, and assessment. Application in school, community, and other settings to develop inclusive practices.

Required Courses (30 credits)

EDPE 502	(3)	Theories of Human Development
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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 development and evaluation.

Required Courses (24 credits)

EDPE 535	(3)	Instructional Design
EDPE 555	(3)	Socio-Cultural Foundations of Learning Sciences
EDPE 575	(3)	Statistics for Practitioners
EDPE 602	(3)	Uses of Research Findings in Education
EDPE 635	(3)	Theories of Learning and Instruction

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
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 654	(3)	Instruction/Curriculum Adaptation

Elective Courses (3 credits)

3 credits at the 500- or 600-level of courses offered by the Department or from other departments or faculties with approval of the Program Director.

5.12.1.16 Master of Arts (M.A.) Educational Psychology (Thesis): Health Professions Education (45 credits)

The Master of Arts (M.A.) Educational Psychology (Thesis); Health Professions Education focuses on the practice of teaching and learning as they happen in the health professions and throughout the lifespan. Student admission and supervision is done jointly with the Institute of Health Sciences Education (IHSE).

Thesis Courses (18 credits)

EDPE 604	(3)	Thesis 1
EDPE 607	(3)	Thesis 2
EDPE 693	(3)	Thesis 3
EDPE 694	(3)	Thesis 4
EDPE 695	(6)	Thesis 5

Prerequisite Course (or equivalent) (3 credits)

EDPE 575	(3)	Statistics for Practitioners
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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 thesis should focus on an issue in the field of human development related to educational psychology.

Thesis Courses (24 credits)

EDPE 604	(3)	Thesis 1
EDPE 607	(3)	Thesis 2
EDPE 693	(3)	Thesis 3
EDPE 694	(3)	Thesis 4
EDPE 695	(6)	Thesis 5
EDPE 696	(6)	Thesis 6

Required Courses (15 credits)

EDPE 502	(3)	Theories of Human Development
EDPE 605	(3)	Research Methods
EDPE 632D1	(0)	Research Seminar
EDPE 632D2	(0)	Research Seminar
EDPE 672	(3)	Human Development Seminar 1
EDPE 673	(3)	Human Development Seminar 2
EDPE 676	(3)	Intermediate Statistics

Complementary Courses (6 credits)

3 credits from the following:

EDPE 682	(3)	Univariate/Multivariate Analysis
EDPE 687	(3)	Qualitative Methods in Educational Psychology

3 credits from the following:

EDPE 515	(3)	Gender Identity Development
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 coursework and thesis supervision.

Thesis Courses (24 credits)

EDPE 604	(3)	Thesis 1
EDPE 607	(3)	Thesis 2
EDPE 693	(3)	Thesis 3
EDPE 694	(3)	Thesis 4
EDPE 695	(6)	Thesis 5
EDPE 696	(6)	Thesis 6

Required Courses (15 credits)

EDPE 605	(3)	Research Methods
EDPE 656	(3)	Applied Theory/Methods in the Learning Sciences
EDPE 666	(3)	Foundations of Learning Science
EDPE 676	(3)	Intermediate Statistics
EDPE 682	(3)	Univariate/Multivariate Analysis

Complementary Courses (6 credits)

EDPE 555	(3)	Socio-Cultural Foundations of Learning Sciences
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 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.

5.12.1.19 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 development among children and adolescents with diverse trajectories and from various family, educational and community contexts. The program is unique in examining developmental trajectories from a variety of interdisciplinary perspectives. The student's dissertation should focus on an issue in the field of human development related to educational psychology.

Required Courses (9 credits)

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

EDPE 683	(3)	Human Development Seminar 3
EDPE 686	(3)	Human Development Seminar 4
EDPE 708	(0)	Comprehensive Examination
EDPH 689	(3)	Teaching and Learning in Higher Education

Complementary Courses (15 credits)

6 credits from the following:

EDPE 682	(3)	Univariate/Multivariate Analysis
EDPE 684	(3)	Applied Multivariate Statistics
EDPE 687	(3)	Qualitative Methods in Educational Psychology

9 credits from the following:

EDPE 620	(3)	Developmental Psychopathology
EDPI 642	(3)	Inclusion: Past, Present and Future
EDPI 656D1	(3)	Community-Based Field Work
EDPI 656D2	(3)	Community-Based Field Work
EDPI 665	(3)	Teaching of Reading

Or other 600- and 700-level courses offered by the Department, which must be approved by the Supervisor and Program Director.

5.12.1.20 Doctor of Philosophy (Ph.D.) Educational Psychology: Learning Sciences

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.

Required Courses (15 credits)

EDPE 704	(3)	Professional Development Seminar 1
EDPE 705	(3)	Professional Development Seminar 2
EDPE 706	(3)	Professional Development Seminar 3
EDPE 707	(3)	Professional Development Seminar 4
EDPE 708	(0)	Comprehensive Examination
EDPH 689	(3)	Teaching and Learning in Higher Education

Complementary Courses (6 credits)

3 credits from the following:

EDPE 636	(3)	Motivation and Instruction
EDPE 663	(3)	Learning Environments
EDPE 664	(3)	Expertise, Reasoning and Problem Solving
EDPE 668	(3)	Advanced Seminar in Learning Sciences

or other 600-, 700-level courses offered by the Department and with the approval of the supervisor and the Program Director.

3 credits from the following:

EDPE 684	(3)	Applied Multivariate Statistics
EDPE 687	(3)	Qualitative Methods in Educational Psychology

5.12.2 Integrated Studies in Education

5.12.2.1 Location

Department of Integrated Studies in Education
Education Building, Room 244
3700 McTavish Street
Montreal QC H3A 1Y2
Canada
Website: mcgill.ca/dise

Graduate Programs (Graduate Certificate, M.A., MATL, and Ph.D.)
Education Building, Room 244
Telephone: 514-398-4527 (Ph.D./M.A.: ext. 09133; MATL/Graduate Certificates: ext. 094476)
Fax: 514-398-4529

The administrative office is open Monday to Friday from 9:30 a.m. to 4:00 p.m.

5.12.2.2 About Integrated Studies in Education

The Department offers graduate students the opportunity to enhance their knowledge related to specific areas of inquiry in the field of education through our M.A. degrees (thesis or non-thesis options), including our MATL leading to teacher certification, Ph.D. in Educational Studies, and graduate certificates. The Department offers the following programs:

Six **Graduate Certificates** (15 credits):


- Graduate Certificate in Educational Leadership 1
- Graduate Certificate in Educational Leadership 2
- Graduate Certificate in Educational Leadership 3
- Graduate Certificate in International Leadership in Educational and Administrative Development
- Graduate Certificate in Teaching English as a Second Language
- Certificat d'études supérieures en pédagogie de l'immersion française

Three **M.A. Thesis and Non-Thesis degree programs** (45 credits) in the following areas:

- Education and Society
- Educational Leadership
- Second Language Education

The Department offers an **M.A. in Teaching and Learning (MATL)** (60 credits) in the following areas:

- Social Sciences
- English Language Arts
- Science and Technology
- Mathematics
- English or French Second Language

-  **Note:** The French Second Language program is currently not offered.

The Department also offers a **Ph.D.** in Educational Studies.

Master of Arts in Education and Society

The M.A. in Education and Society consists of a thesis or non-thesis program. The program focuses on two main fields of study—Culture and Values in Education and Teaching, Learning, and Curriculum—reflecting distinct but overlapping areas of educational inquiry. Study in Culture and Values in Education may focus on critical theory, philosophy, art and aesthetics, race/class/gender issues in education, or international and comparative education. The Teaching, Learning, and Curriculum focus emphasizes current perspectives on pedagogy and curriculum, teacher education, in-and-out-of-school learning, practitioner research, and classroom practice. The program brings to bear diverse applied theoretical perspectives, including philosophy, sociology, cultural studies, policy studies, gender studies, critical pedagogy, and multi-literacies. Graduates of the program go on to doctoral programs or work in education and non-profit settings. Many in-service teachers take this program for professional development.

section 5.12.2.5: Master of Arts (M.A.) Education and Society (Thesis) (45 credits)

The M.A. thesis option is a research-oriented degree in which approximately half of the program consists of thesis research. The balance of the program is course work.

section 5.12.2.6: Master of Arts (M.A.) Education and Society (Thesis): Gender and Women's Studies (45 credits)

The graduate option in Gender and Women's Studies is an interdisciplinary program for students who meet the degree requirements in a participating unit who wish to earn credits of approved course work focusing on gender and women'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 5.12.2.7: Master of Arts (M.A.) Education and Society (Thesis): Mathematics and 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.

section 5.12.2.8: Master of Arts (M.A.) Education and Society (Non-Thesis) (45 credits)

The M.A. non-thesis option consists mostly of course work, but includes two projects. This option is suitable for practitioners interested in professional development with a research and theoretical orientation. The projects create an opportunity to investigate a particular interest.

section 5.12.2.9: Master of Arts (M.A.) Education and Society (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 5.12.2.10: Master of Arts (M.A.) Education and Society (Non-Thesis): Course Work Math & Science Education (45 credits)

This M.A. concentration emphasizes inquiry in mathematics and science education, including a specific focus on teacher education in the area of math and science. The program will include targeted opportunities for candidates to develop skills, knowledge and practices specific to teaching and learning mathematics and science, mathematics and science teacher preparation, and understanding research in both of these areas. The M.A. concentration will produce graduates who view improving mathematics and science education from a teaching and learning perspective, have developed understanding of the value of research in math and science education, and sufficient teacher education experience to assume roles as educational leaders in informal and formal settings.

section 5.12.2.11: Master of Arts (M.A.) Education and Society (Non-Thesis): Gender and Women's Studies (45 credits)

The graduate option in Gender and Women's Studies is an interdisciplinary program for students who meet the degree requirements in a participating unit who wish to earn credits of approved course work focusing on gender and women's studies, and issues in feminist research and methods. The M.A. non-thesis project option consists mainly of course work and includes two projects. This option is suitable for practitioners interested in professional development with a research and theoretical orientation. The projects create an opportunity for students to investigate a particular interest.

section 5.12.2.12: Master of Arts (M.A.) Education and Society (Non-Thesis): Jewish Education (45 credits)

This program is designed to offer a graduate-level point of entry into the teaching profession for students who typically will have completed a B.A. with a minor or major in Jewish Studies. The M.A. will not provide Quebec Ministry of Education teacher certification (in Quebec, certification is at the B.Ed. level), but at the present time, Jewish schools may hire non-certified teachers of Jewish Studies at their discretion.

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 for certification to teach English or French Second Language.

section 5.12.2.25: Master of Arts (M.A.) in Teaching and Learning (Non-Thesis): English Language Arts Option (60 credits)

This program is comprised of course work, coupled with an internship. Upon completion, students are recommended to the Quebec Ministry of Education for certification to teach English Language Arts.

section 5.12.2.26: Master of Arts (M.A.) in Teaching and Learning (Non-Thesis): Mathematics Option (60 credits)

This program is comprised of course work, coupled with an internship. Upon completion, students are recommended to the Quebec Ministry of Education for certification to teach Mathematics.

section 5.12.2.27: Master of Arts (M.A.) in Teaching and Learning (Non-Thesis): Social Sciences Option (60 credits)

This program is comprised of course work, coupled with an internship. Upon completion, students are recommended to the Quebec Ministry of Education for certification to teach Social Sciences.

section 5.12.2.28: Master of Arts (M.A.) in Teaching and Learning (Non-Thesis): Science and Technology Option (60 credits)

This program is comprised of course work, coupled with an internship. Upon completion, students are recommended to the Quebec Ministry of Education for certification to teach Science and Technology.

Doctor of Philosophy in Educational Studies

The Ph.D. in Educational Studies prepares graduates for careers in a variety of education-related fields. The Ph.D.'s core areas are curriculum and literacy, cultural and international studies in education, educational leadership, and second-language education. The program has been designed to ensure flexibility, and students experience both multidisciplinary and discipline-specific research opportunities. The program begins with a set of common courses and proceeds to specialization through advanced course work and dissertation topics focused on areas of expertise that are supported by the research interests of current faculty members. Graduates find work as researchers, teachers, consultants, curriculum developers, and administrators in a wide range of settings, including universities, school boards, government agencies, and international NGOs.

section 5.12.2.29: Doctor of Philosophy (Ph.D.) Educational Studies

The Ph.D. in Educational Studies provides an integrative perspective on education by drawing on a range of related disciplines and research orientations. Students develop scholarly and innovative expertise in at least one of three contexts of inquiry and awareness of all three:

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. 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.

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

This program addresses the needs of experienced and aspiring school leaders who are taking increased responsibility for the students and communities they serve. The management of schools is increasingly seen as making a major contribution to the learning and personal development of students. The professional development of school leaders, educational reform, and school partnership form the basis for the program. **Course selection to be approved by Graduate Certificate Program Director.**

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

This program explores more deeply leadership theory and educational issues and applications in a practicum. Candidates for the Graduate Certificate in Educational Leadership 2 should normally have completed the first certificate. In combination, the two certificates allow school administrators to acquire the 30 graduate credits in the field of educational leadership required by the Quebec Ministry of Education. **Course selection to be approved by Graduate Certificate Program Director.**

No course taken in Certificate 1 can be repeated in Certificate 2.

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

This program 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. **Course selection to be approved by Graduate Certificate Program Director.**

No course taken in Certificate 1 can be repeated in Certificate 2 or in Certificate 3.

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

This program targets leaders, consultants, senior management and administrators, and policy makers from a range of educational institutions (universities, colleges, private schools) and organizations (hospitals, community, governmental), as well as the corporate sector. The goal is to provide a world-class professional learning experience in educational leadership. The majority of the courses will be delivered online, in combination with a two- to three-week intensive McGill campus component during the summer months. The online component of the certificate will facilitate full-time working schedules and provide greater flexibility in different international time zones. Lectures will be pre-recorded so students may view them to suit their own schedules. Students will have the capacity to communicate, discuss, and ask questions to one another and with the course lecturer through the online communication platform.

Please note that the fee schedule for this program is different from standard graduate programs. For information, please contact program administrator [Natalia Bessette](#).

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'immersion française – 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 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.

5.12.2.3.2.1 Additional Requirements

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

- Curriculum Vitae
- Personal Statement
- Research Proposal (for Ph.D. applicants)
- Ph.D. applicants must secure a Thesis Supervisor as part of the application process.

5.12.2.3.3 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Integrated Studies in Education and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program or mcgill.ca/dise/grad.

M.A. Second Language Education, M.A. Educational Leadership, M.A. Education and Society, Graduate Certificate in International Leadership in Educational and Administrative Development

	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. 1	Jan. 1	Jan. 1
Winter Term:	N/A	N/A	N/A	N/A
Summer Term:	N/A	N/A	N/A	N/A

Master of Arts in Teaching and Learning (MATL)

	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:	May 15	Dec. 15	Jan. 15	Jan. 15

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

Graduate Certificate in Teaching English as a Second Language

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:	N/A	N/A	N/A	N/A

Ph.D. Educational Studies

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

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

5.12.2.4 Integrated Studies in Education Faculty

Chair

Lisa Starr

Director of Teacher Education Programs (B Ed & MATL)

Mindy Carter

Assistant Director of Teacher Education Programs (B Ed & MATL)

Sheryl Smith-Gilman

Director of First Nations and Inuit Education

Stephen Peters

Assistant Director of First Nations and Inuit Education

James Howden

Director of Ph.D. Program and MA Thesis Programs

Paul Zanazanian

Director of MA Non-Thesis Programs

Joseph Levitan

Director of Internships and Student Affairs

TBA

Emeritus Professors

Patrick X. Dias; David Dillon; Margaret Gillett; John B. Gradwell; Denise Lussier; Roy Lyster; Mary H. Maguire; Anthony Paré; Jacques J. Rebuffot; Bernard Shapiro; David C. Smith; R. Lynn Studham; Lise Winer; John Wolforth.

Professors

Lynn Butler-Kisber; Ratna Ghosh; Claudia A. Mitchell; Shaheen Shariff.

Associate Professors

Anila Asghar; Susan Ballinger; Eric Caplan; Mindy Carter; Christian Ehret; Limin Jao; Steven Jordan; Marta Kobiela; Bronwen Low; Kevin McDonough; Caroline Riches; Mela Sarkar; Annie Savard; Lisa Starr; Teresa Strong-Wilson; Boyd White; Elizabeth Wood; Paul Zanazanian.

Assistant Professors

Angelica Galante; Allison Gonsalves; Blane Harvey; Philip Howard; Amir Kalan; Joseph Levitan; Janine Metallic; Nantre Nafziger; Elizabeth Patitsas; Emmanuel Tabi.

Faculty Lecturers

Hannah Chestnutt; James Howden; Stephen Peters; Sheryl Smith-Gilman.

5.12.2.5 Master of Arts (M.A.) Education and Society (Thesis) (45 credits)**Thesis Courses (24 credits)**

EDEM 621	(6)	Thesis 1
EDEM 623	(6)	Thesis 2
EDEM 699	(12)	Thesis 3

Required Courses (6 credits)

EDEM 609	(3)	Critical Perspectives in Educational Theory and Research
EDEM 690	(3)	Research Methods: Theory and Practice

Elective Courses (15 credits)

15 credits at the 500, 600, or 700 level, chosen in consultation with the Thesis Supervisor or Graduate Program Director. The student may take a maximum of 6 credits from outside the Department.

5.12.2.6 Master of Arts (M.A.) Education and Society (Thesis): Gender and Women's Studies (45 credits)**Thesis Courses (24 credits)**

EDEM 621	(6)	Thesis 1
EDEM 623	(6)	Thesis 2
EDEM 699	(12)	Thesis 3

Required Courses (9 credits)

EDEM 609	(3)	Critical Perspectives in Educational Theory and Research
EDEM 690	(3)	Research Methods: Theory and Practice
WMST 601	(3)	Feminist Theories and Methods

Complementary Courses (3 credits)

3 credits chosen from the following, 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.

5.12.2.8 Master of Arts (M.A.) Education and Society (Non-Thesis) (45 credits)

The M.A. non-thesis option consists mostly of coursework, and includes two 6 credit projects. This option is suitable for practitioners interested in professional development with a research and theoretical orientation. The project creates an opportunity for students to investigate a particular interest.

Research Project (12 credits)

EDER 633	(6)	Project 1
EDER 634	(6)	Project 2

Required Courses (6 credits)

EDEM 609	(3)	Critical Perspectives in Educational Theory and Research
EDEM 690	(3)	Research Methods: Theory and Practice

Complementary Courses (15 credits)

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 655	(3)	Indigenous Research Methodologies
EDER 600	(3)	Globalization, Education and Change
EDER 606	(3)	Philosophy of Moral Education
EDER 607	(3)	Ethics and Values in Education
EDER 608	(3)	Educational Implications of Social Theory
EDER 609	(3)	Education and Philosophical Thought
EDER 614	(3)	Sociology of Education

EDER 615	(3)	Introduction to Philosophy of Education
EDER 617	(3)	Aesthetics and Education
EDER 622	(3)	Studies in Comparative Education
EDER 625	(3)	Special Topics in Educational Studies
EDER 626	(3)	Theory and Praxis of Ethics and Religious Education
EDER 643	(3)	Women, Education and Development
EDER 649	(3)	Education: Multicultural Societies

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
EDER 643	(3)	Women, Education and Development
EDER 649	(3)	Education: Multicultural Societies

Elective Courses (15 credits)

15 credits at the 500 level or higher. An elective course can be any course in DISE. If the course is outside of the department, the student should consult with the Program Director or Coordinator prior to registering for the course. A maximum of 6 credits, at the 500 level or higher, may be taken outside of the Department, selected in consultation with the approval of Program Coordinator or Director, and Department Chair.

5.12.2.10 Master of Arts (M.A.) Education and Society (Non-Thesis): Course Work Math & Science Education (45 credits)

The M.A. in Education and Society; Non-Thesis-Course Work - Mathematics and Science Education program emphasizes a pedagogical understanding of mathematics and science education, including a specific focus on teacher education in the areas of mathematics and science. The program will include targeted opportunities for candidates to develop skills, knowledge and practices specific to teaching and learning mathematics and science, mathematics and science teacher preparation, and research in both of these areas. It will produce graduates who view improving mathematics and science education from a teaching and learning perspective, have developed understanding of research in mathematics and science education, and sufficient teacher education experience to assume roles as educational leaders in informal and formal settings.

Required Courses (12 credits)

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 609	(3)	Critical Perspectives in Educational Theory and Research

Complementary Courses (18 credits)

3 credits from the following:

EDEC 646	(3)	Sociocultural and Epistemic Understandings of Science
EDEC 647	(3)	Sociocultural and Epistemic Understandings of Mathematics

15 credits from the following:

EDEC 602	(3)	Foundations in Curriculum
EDEC 606	(3)	Autobiographical Approaches in Education
EDEC 612	(3)	Digital Media and Learning
EDEC 627	(3)	Critical Discourse Studies in Education
EDEC 635	(3)	Research Writing
EDEM 644	(3)	Curriculum Development and Implementation
EDEM 660	(3)	Community Relations in Education
EDEM 676	(3)	Organizing Non-Formal Learning
EDEM 690	(3)	Research Methods: Theory and Practice
EDER 600	(3)	Globalization, Education and Change
EDER 606	(3)	Philosophy of Moral Education
EDER 607	(3)	Ethics and Values in Education
EDER 608	(3)	Educational Implications of Social Theory
EDER 609	(3)	Education and Philosophical Thought
EDER 614	(3)	Sociology of Education
EDER 615	(3)	Introduction to Philosophy of Education

EDER 617	(3)	Aesthetics and Education
EDER 622	(3)	Studies in Comparative Education
EDER 625	(3)	Special Topics in Educational Studies
EDER 626	(3)	Theory and Praxis of Ethics and Religious Education
EDER 643	(3)	Women, Education and Development
EDER 649	(3)	Education: Multicultural Societies
EDPE 635	(3)	Theories of Learning and Instruction
EDPE 676	(3)	Intermediate Statistics
EDTL 500	(3)	Applications of Educational Psychology Across Classrooms
EDTL 508	(3)	Critical Influences on Educational Praxis

Elective Courses

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. The project must be on a topic centrally relating to issues of gender and/or women's studies.

Research Project (12 credits)

EDER 633	(6)	Project 1
EDER 634	(6)	Project 2

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 (15 credits)

12 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 628	(3)	Literacy - Multilingual/Multicultural Settings
EDEC 635	(3)	Research Writing
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

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 level or higher, on gender/women's issues.

Elective Courses (9 credits)

9 credits at the 500 level or higher. An elective course can be any course in DISE. If the course is outside the department, the student should consult with the Program Director or Coordinator prior to registering for the course. A maximum of 9 credits outside of DISE is permitted.

5.12.2.12 Master of Arts (M.A.) Education and Society (Non-Thesis): Jewish Education (45 credits)

This program is designed to offer a graduate-level point of entry into the teaching profession for students who typically will have completed a B.A. with minor or major in Jewish Studies. The M.A. will not provide Quebec Government teacher certification (in Quebec, certification is at the B.Ed. level), but at the present time, Jewish schools may hire non-certified teachers of Jewish Studies at their discretion.

Students interested in doing a research-focused M.A. in the area of Jewish Education should follow one of the other graduate degree offerings within the area of Education and Society.

Required Internship (15 credits)

EDER 610D1	(7.5)	Internship
EDER 610D2	(7.5)	Internship

Required Courses (6 credits)

EDEM 690	(3)	Research Methods: Theory and Practice
EDER 520	(3)	Issues in Jewish Education

Complementary Courses (24 credits)

24 credits at the 500, 600, or 700 level, selected in consultation with the program adviser. Students will normally follow this profile:

9 credits from the course offerings of the Department of Jewish Studies, Faculty of Arts.

9 credits chosen from the following courses:

EDER 523	(3)	Teaching Judaism: Bible
EDER 525	(3)	Teaching Judaism: Holidays
EDER 526	(3)	Teaching Judaism: Liturgy
EDER 527	(3)	Teaching Judaism: Special Topics
EDER 528	(3)	Teaching Judaism: The Holocaust

6 credits selected from the following courses:

EDPE 535	(3)	Instructional Design
EDPE 616	(3)	Cognitive Development
EDPI 526	(3)	Supporting Students' Strengths and Talents
EDPI 642	(3)	Inclusion: Past, Present and Future
EDPI 654	(3)	Instruction/Curriculum Adaptation

Language Requirement

EDER 529	(0)	Hebrew Language Requirement
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5.12.2.13 Master of Arts (M.A.) Education and Society (Non-Thesis): Project Math & Science Education (45 credits)

The M.A. in Education and Society (Non-Thesis): Project Mathematics and Science Education program emphasizes action-oriented research in mathematics and science education, with a specific focus on teacher education in the areas of mathematics and science. The program will include targeted opportunities for candidates to develop skills, knowledge, and practices specific to teaching and learning mathematics and science, mathematics and science teacher preparation, and research in both of these areas. It will produce graduates: who view improving mathematics and science education from a teaching and learning perspective; have developed an understanding of research in mathematics and science education; and have sufficient teacher education experience to assume roles as educational leaders in informal and formal settings.

Project Courses (12 credits)

EDER 633	(6)	Project 1
EDER 634	(6)	Project 2

Required Courses (15 credits)

EDEC 624	(3)	Researching, Teaching, Learning and Teacher Education
EDEC 625	(3)	MA Seminar in Practice-Based Teacher Education 1
EDEC 626	(3)	MA Seminar in Math and Science Education 2
EDEM 609	(3)	Critical Perspectives in Educational Theory and Research
EDEM 690	(3)	Research Methods: Theory and Practice

Complementary Courses (12 credits)

3 credits from the following:

EDEC 646	(3)	Sociocultural and Epistemic Understandings of Science
EDEC 647	(3)	Sociocultural and Epistemic Understandings of Mathematics

9 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 627	(3)	Critical Discourse Studies in Education
EDEC 635	(3)	Research Writing
EDEM 644	(3)	Curriculum Development and Implementation
EDEM 660	(3)	Community Relations in Education
EDEM 676	(3)	Organizing Non-Formal Learning
EDEM 690	(3)	Research Methods: Theory and Practice
EDER 600	(3)	Globalization, Education and Change

EDER 606	(3)	Philosophy of Moral Education
EDER 607	(3)	Ethics and Values in Education
EDER 608	(3)	Educational Implications of Social Theory
EDER 609	(3)	Education and Philosophical Thought
EDER 614	(3)	Sociology of Education
EDER 615	(3)	Introduction to Philosophy of Education
EDER 617	(3)	Aesthetics and Education
EDER 622	(3)	Studies in Comparative Education
EDER 625	(3)	Special Topics in Educational Studies
EDER 626	(3)	Theory and Praxis of Ethics and Religious Education
EDER 643	(3)	Women, Education and Development
EDER 649	(3)	Education: Multicultural Societies
EDPE 635	(3)	Theories of Learning and Instruction
EDPE 676	(3)	Intermediate Statistics
EDTL 500	(3)	Applications of Educational Psychology Across Classrooms
EDTL 508	(3)	Critical Influences on Educational Praxis

Elective Courses

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

EDEC 635	(3)	Research Writing
EDEC 648	(3)	Historical Knowledge and Social Change
EDEC 650	(3)	Critical Race Studies and Education
EDEM 655	(3)	Indigenous Research Methodologies
EDER 536	(3)	Critical and Ethical Dimensions of Sexualities Education
EDER 600	(3)	Globalization, Education and Change
EDER 607	(3)	Ethics and Values in Education
EDER 608	(3)	Educational Implications of Social Theory
EDER 614	(3)	Sociology of Education
EDER 615	(3)	Introduction to Philosophy of Education
EDER 617	(3)	Aesthetics and Education
EDER 622	(3)	Studies in Comparative Education
EDER 625	(3)	Special Topics in Educational Studies
EDER 626	(3)	Theory and Praxis of Ethics and Religious Education
EDER 639	(3)	Education and Development
EDER 643	(3)	Women, Education and Development
EDER 649	(3)	Education: Multicultural Societies

Elective Courses (6 credits)

6 credits at the 500, 600, or 700 level chosen in consultation with the Graduate Program Coordinator or the Graduate Program Director.

5.12.2.18 Master of Arts (M.A.) Educational Leadership (Non-Thesis): Gender and Women's Studies (45 credits)

This M.A. program focuses on Educational Leadership with an emphasis on the evidence-based skills, capacities and dispositions needed for effective, collaborative, and quality leadership. The program includes two 6-credit action-oriented projects focused on leadership relating to issues of gender and/or women's studies. The Gender and Women's Studies option provides students with an opportunity to earn credits of approved course work focusing on gender and women's studies, and issues in feminist research and methods.

Research Project (12 credits)

EDEM 625	(6)	Project 1
EDEM 627	(6)	Project 2

Required Courses (15 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
WMST 601	(3)	Feminist Theories and Methods

Complementary Courses (15 credits)

9 credits selected from the following:

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

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
EDSL 617	(3)	Special Topics in Second Language Education
EDSL 620	(3)	Social Justice Issues in Second Language Education
EDSL 624	(3)	Educational Sociolinguistics
EDSL 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

Elective Course (3 credits)

3 credits at the 500, 600, or 700 level chosen in consultation with the Graduate Program Director.

5.12.2.20 Master of Arts (M.A.) Second Language Education (Thesis): Gender and Women's Studies (45 credits)**Thesis Courses (24 credits)**

EDSL 666	(6)	Thesis Research 1
EDSL 667	(6)	Thesis Research 2
EDSL 668	(6)	Thesis Research 3
EDSL 669	(6)	Thesis Research 4

Required Courses (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
WMST 601	(3)	Feminist Theories and Methods

Complementary Courses (6 credits)

3 credits selected from the following courses:

EDEM 609	(3)	Critical Perspectives in Educational Theory and Research
EDSL 617	(3)	Special Topics in Second Language Education
EDSL 620	(3)	Social Justice Issues in Second Language Education
EDSL 624	(3)	Educational Sociolinguistics
EDSL 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

3 credits chosen from the following, must be either:

WMST 602	(3)	Feminist Research Symposium
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or one 3 credit course, at the 500, 600, or 700 level, on gender/women's issues (may be in the Department or outside).

5.12.2.21 Master of Arts (M.A.) Second Language Education: Coursework (Non-Thesis) (45 credits)

The M.A. in Second Language Education; Non-Thesis – Course Work consists of 45 credits of coursework. The program provides an overview of second language acquisition theory, research and research methods, including quantitative and qualitative approaches. It covers a wide range of current topics in applied linguistics and offers opportunities to specialize in educational sociolinguistics, curricular/methods and program planning (e.g., content-based language teaching, immersion), language policy and planning, and critical applied linguistics.

Required Courses (12 credits)

EDEM 609	(3)	Critical Perspectives in Educational Theory and Research
EDPE 575	(3)	Statistics for Practitioners
EDSL 623	(3)	Second Language Learning
EDSL 627	(3)	Instructed Second Language Acquisition Research

Complementary Courses (24 credits)

12-18 credits chosen from the following courses:

EDEM 690	(3)	Research Methods: Theory and Practice
EDSL 601	(3)	Methods and Curriculum in Second Language Teaching 1
EDSL 602	(3)	Methods and Curriculum in Second Language Teaching 2
EDSL 617	(3)	Special Topics in Second Language Education
EDSL 620	(3)	Social Justice Issues in Second Language Education
EDSL 624	(3)	Educational Sociolinguistics

EDSL 628	(3)	Plurilingualism&Translanguaging in Education and Research
EDSL 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
EDEC 635	(3)	Research Writing
EDEC 648	(3)	Historical Knowledge and Social Change
EDEC 650	(3)	Critical Race Studies and Education
EDEM 637	(3)	Managing Educational Change
EDEM 644	(3)	Curriculum Development and Implementation
EDEM 646	(3)	Planning and Evaluation
EDEM 655	(3)	Indigenous Research Methodologies
EDEM 660	(3)	Community Relations in Education
EDER 600	(3)	Globalization, Education and Change
EDER 607	(3)	Ethics and Values in Education
EDER 608	(3)	Educational Implications of Social Theory
EDER 609	(3)	Education and Philosophical Thought
EDER 614	(3)	Sociology of Education
EDER 615	(3)	Introduction to Philosophy of Education
EDER 622	(3)	Studies in Comparative Education
EDER 639	(3)	Education and Development
EDER 649	(3)	Education: Multicultural Societies

Elective Courses (9 credits)

9 credits of courses at the 500, 600, or 700 level are selected in consultation with the Graduate Program Director or Coordinator and may include complementary courses listed above. Up to 6 of the elective credits may include the

following courses:

WCOM 642	(1)	Cornerstones of Academic Writing.
WCOM 645	(1)	ESL: Fundamentals of Academic Writing
WCOM 661	(1)	Literature Review 1: Summary and Critique
WCOM 662	(1)	Literature Review 2: Establishing Scholarly Niches

Exceptionally, one 3-credit undergraduate language course, at any level, in a language not formally studied previously may be taken as an elective.

5.12.2.22 Graduate Student Teaching / M.A. in Teaching and Learning Internship

The : *Internships & Student Affairs Office (ISA)* in the Faculty of Education (mcgill.ca/isa) 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 Winter term of the program; students who do not plan on taking Internship 1 in the first Winter term of the program must meet with the Graduate Program Coordinator to develop an amended program trajectory, as soon as possible;
- must be in Satisfactory academic standing and have met all prerequisite and corequisite course requirements;
- registered for the Internship course will receive permission to access the online Student Teaching Placement Form at their official '@mail.mcgill.ca' email address; the Placement Form must be completed by the date indicated in the email for preferences to be registered;
- should consult their MATL Program Coordinator or ISA Placement Coordinator for further assistance, if required.



Note: Minerva does not always prevent students from registering for courses which they should not take. It is each student's responsibility to be aware of prerequisites, corequisites, restrictions, and Faculty regulations.

5.12.2.22.3 Placement Options

Cooperating Teacher

Student teachers without an approved teaching contract will be placed by an ISA Placement Coordinator in the classroom of an eligible Cooperating Teacher(s) and must follow the host school's schedule on a full-time basis. Student teachers in this situation must not contact potential host schools for placements.

Contract

Student teachers who have secured a paid teaching contract in the appropriate Internship term may request to have this contract reviewed by the ISA to see if it will fulfill the Internship requirements relative to number of hours, context, subject area, etc.

Please note, student teachers who have already been placed with a Cooperating Teacher for their Internship and subsequently wish to accept a contract either before or during the Internship must register a request with the ISA; approval is at the discretion of the ISA Director.

Students who wish to have a contract evaluated must:

- get approval from the ISA Director;
- have the Administrator of their school sign ISA's "Letter of Agreement Pertaining to Paid Contracts for Internships Taken as Part of McGill University's Master of Arts in Teaching and Learning (MATL)" prior to the start of their contract/Internship, and confirm that they will assign/provide an internal employee to serve as an evaluator and follow ISA's proposed evaluation schedule;
- consult the [MATL guidelines](#) to determine if the contract may be eligible to meet Internship requirements;
- ensure that the contract is for a minimum 70% of a full-time teaching workload; 100% of actual teaching hours must be in the appropriate teachable subject area;

- complete the full number of required hours—per Internship guidelines—which may necessitate an extension of the Internship dates;
- submit a copy of the contract (or a detailed letter from the School Administrator/HR) confirming the teaching schedule and conditions to the ISA; any further modification of an approved contract must be approved by the ISA.

5.12.2.2.4 Internship Guidelines (Syllabus)

Detailed Internship guidelines and copies of evaluation forms for each Internship are posted on the [ISA website](#). Students are responsible for familiarizing themselves with the Internship objectives, evaluation criteria, and forms prior to the start of each Internship.

5.12.2.2.5 Student Responsibilities

Students are responsible for familiarizing themselves with the policies and rules governing all aspects of Internship, including pedagogical and professional behaviour (available at [mcgill.ca/isa](#)) prior to the start of the Internship.

Students are strongly discouraged from engaging in any type of employment during the course of the Internship (with the exception of a teaching contract used to fulfill the Internship requirements) nor register for any additional/non-required course(s) which may interfere with the successful outcome of the Internship; accommodations will not be granted for students with employment responsibilities.

ISA relies on the goodwill of Cooperating Teachers and School Administrators to arrange placements. To that end, the ISA strives to maintain professional relationships established over time with partner schools. Student teachers in the MATL program are advised to be aware of the commitment, including time commitment with the Internship and co-requisite courses, they are making to their chosen career when beginning the Internship. All decisions and actions should reflect the ethics of the teaching profession and the highest standards of professionalism.

Attendance and Absences

Punctual attendance is required at the host school for the duration of the Internship (per the host school's full-day schedule and not that of the Cooperating Teacher's). Unexcused absences from the Internship and/or corequisite courses, including Professional Seminar, may result in exclusion from the corequisite course or removal from/failure in the Internship.

Excused absences include:

- *Illness*: Student teachers may be absent for up to 2 days without supporting medical documentation; after 2 days, a student teacher must obtain a supporting medical note and the outcome of the Internship may be evaluated by the ISA Director, as necessary;
- *McGill Exam*: Student teachers with a scheduled McGill exam may be absent from the host school on the appointed day; this provision does not cover non-McGill exams;
- *Religious Observation*: Student teachers are permitted to be absent for religious holy days, as outlined in McGill's [Policy on holy days](#);
- *McGill Varsity Sporting Event(s)*: Student teachers are permitted to participate in a sporting event as a member of a McGill varsity team; student teachers must provide the ISA with supporting documentation from McGill [Athletics & Recreation](#).

Days missed due to excused absence must be made up, generally, at the end of the Internship.

In the case of a **foreseeable absence** (e.g., religious observation, varsity sporting event, etc.), student teachers must advise the below noted parties before the start of the Internship or, if the Internship has already commenced, **at least two weeks in advance**. In the case of an **unforeseeable absence** (e.g., illness), student teachers must advise the below noted parties as soon as possible:

- Host School Administrative Office
- Co-operating Teacher(s)
- McGill Field Supervisor
- McGill ISA Placement Coordinator

Absences for any other reason, including but not limited to marriage, family events, vacation, extracurricular activities, employment, or conflicting courses are exceptionally permitted by the ISA Director on a case-by-case basis. Any request for absence must be sent to your Placement Coordinator a minimum of 2 weeks before the proposed absence. Students who may need to defer the Internship or rearrange their course schedule should contact their Program Coordinator.

For student teachers on a paid contract, in case of a conflict between the University's attendance policies and that of the host school, please contact the ISA.

Judicial Record Verification

Quebec's Education Act, section 261.0.2, grants school boards the right to verify the judicial record of any person regularly in contact with minor students, and this includes student teachers. Each school board or private school may have its own administrative procedures for verification. Students are responsible for complying any request for judicial record verification. Any student unable to obtain the required security clearance will not be permitted to undertake their Internship(s) and, consequently, will be withdrawn from the MATL program as the Internships are a mandatory requirement. Additional information about the judicial record verification process can be found on the [mcgill.ca/isa/teaching/placements](#).

Work Permit for International Students

In order to be in compliance with government regulations, international students (students who are not Permanent Residents or citizens of Canada) should hold a valid Internship/Co-op Work Permit issued by Citizenship and Immigration Canada (CIC) to complete their Internships. This permit is independent from the paid off-campus work permit which is included as part of the study permit and requires a separate application. For detailed instructions and assistance with the application, students should contact [mcgill.ca/internationalstudents](#).

5.12.2.2.6 Grading and Credit

Internships are graded according to the graduate grading scale ([section 1.1.8.1: Grading and Grade Point Averages \(GPA\)](#)).

For students admitted to the MATL program **prior to Summer 2017**:

- A final grade is assigned for the Internship course (EDIN) based on a combination of their marks in the field work (Internship) and Professional Seminar components;
- Grades are weighted as follows: Supervisor Summative (40%), Cooperating Teacher Summative (40%), Professional Seminar Grade (20%). In the case of the Summative Evaluations, which are marked on a 4-point scale across 13 Professional Competencies, each mark out of 4 is assigned a correlating number out of 100 and an average is calculated to reach a final numerical grade out of 100; this is then converted to the corresponding letter grade;
- Students must pass both the Internship and Professional Seminar components of the course individually in order to pass the Internship (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.

Withdrawal from Internship

- A request for withdrawal (with refund) from the Internship (EDIN course) for any reason must be done at least two weeks before the start of the Internship; the student teacher is responsible for registering this request with the ISA in writing by this deadline;
- Students wishing to withdraw for any other reason, including illness, personal reasons, etc., from an Internship (EDIN course) less than two weeks before its start or after it is underway must register their request in writing to the ISA; based on the circumstances surrounding the request, the ISA Director will determine the final outcome of the Internship. Students then can submit their request to Graduate and Postdoctoral Studies to determine their eligibility for refund.

Early Dismissal from an Internship

At any time, student teachers may be removed from their Internship placement at the request of the host School Administrator and/or Cooperating Teacher, or at the request of the ISA Director. If you are removed from an Internship placement, you will be informed of the reason for the early dismissal and will meet with the ISA Director.

Circumstances that could lead to early dismissal include, but are not limited to:

- Prerequisite courses not successfully completed;
- Exceeding the number of permissible unexcused absences for corequisite courses (consult the syllabus for each course);
- Failure to pass a judicial record check, if required by the school or school board where the student is placed;
- Unprofessional behaviour or behaviour that contravenes the McGill Principles of Practice, Behaviour and Ethical Conduct for Teacher Candidates;
- Failure to make the improvements outlined on a Competency Improvement Plan (CIP) by the date indicated.

In these cases, the final outcome for of the Internship (EDIN course) will be determined by the ISA Director.

Possible outcomes include:

- Reassignment during the same term, subject to availability of placements;
- W – Withdrawal (with or without refund, at the discretion of Graduate & Postdoctoral Studies);
- F – At the discretion of the ISA Director, the student may be permitted to register for the Internship again during the next regularly scheduled term;
- F – At the discretion of the ISA Director, with a request to Graduate & Postdoctoral Studies, asking for immediate removal (with relevant supporting documentation).

5.12.22.27 McGill Principles of Practice, Behaviour and Ethical Conduct for Teacher Candidates

Introduction

- The mission of McGill University's Bachelor of Education Program within the Department of Integrated Studies in Education (DISE) and the Department of Kinesiology and Physical Education (KPE) as well as the Master of Teaching and Learning (MATL) Program within DISE in cooperation with the Faculty of Education's Internship and Student Affairs Office (ISA) is to prepare teachers who are knowledgeable, skillful, flexible, creative, and

compassionate members of the profession guided by a sense of social and ethical responsibility in relation to their students and the wider society. In keeping with the professional culture of teaching and learning, McGill's teacher education community believes that teaching and learning spaces should model such professional environments. McGill's teacher education community is committed to creating authentic opportunities where an understanding of teaching and learning is co-constructed between instructors and teacher candidates, teachers and learners, as well as peer-to-peer and beyond. In order for us to create these learning environments, we are expected to demonstrate awareness of, respect for, and commitment to, the behaviours and actions of professionals. We expect members of McGill's teacher education community, including teacher candidates, teaching assistants, lecturers, professors and community partners to be accountable to themselves and others, and to be engaged, collegial, and accessible. By doing so, McGill's teacher education community is more fully able to share together in the types of critical dialogue, creative thinking, and reflective practice expected of professionals.

McGill's teacher education community is committed to nurturing a space where teacher candidates, teaching assistants, lecturers, professors and community partners can all engage in the exchange of ideas and dialogue, without fear of being made to feel unwelcome or unsafe on account of biological sex, sexual orientation, gender identity or expression, race/ethnicity, religion, linguistic and cultural background, age, physical or mental ability, or any other aspect integral to one's personhood. We therefore recognise that it is our individual and collective responsibility, to strive to establish and maintain an environment wherein all interactions are based on empathy and mutual respect for the person, acknowledging differences of perspectives, free from judgment, censure, and/or stigma. Finally, McGill's teacher education community is charged with ensuring that all graduates of its programs have the requisite knowledge, skills, and attitudes required of the teaching profession and can meet standards of the Québec Professional Teacher Competencies to be eligible for professional certification as educators in the Province of Québec.

- **Goals and Rationale**

The role of the teacher and the contexts of teaching have changed. Thus, new resources (knowledge, skills, attitudes) are required to practice the profession and meet the challenges of teaching and learning in whatever contexts teacher candidates may find themselves, and to engage in professional development individually and with others. Teachers enjoy, and should continue to enjoy, important freedoms and privileges. However, with certain freedoms come responsibilities and ethical challenges. Building on the past work of two Standing Committees of the Faculty of Education intent on promoting appropriate ethical and professional conduct, the following revision, renamed as the McGill Principles of Practice, Behaviour and Ethical Conduct for Teacher Candidates seeks to respond to, and address, the following needs:

1. Address the interdependent duties, rights and responsibilities of teacher candidates, teaching assistants, lecturers, professors, field supervisors and community partners.
2. Articulate and make explicit ethical principles that transcend disciplinary boundaries. These principles reflect the fundamental values that are expressed in the duties, rights and responsibilities of all involved in Teacher Education.
3. Support the reasonable implementation of common principles. It is designed to help those involved in Teacher Education, as a matter of sound ethical reasoning, to understand and respect the contexts in which they work and accommodate the needs of others.
4. Encourage continued reflection and thoughtful response to ethical issues. It does not seek definitive answers to all ethical questions or situations. Rather, in an effort towards transparency, collaboration and capacity building, it seeks to outline the guiding principles to ethical conduct and the expectation associated with those principles. .

- Please refer to the full document at this link mcgill.ca/isa/student/principles
- Student teaching policies can be found at mcgill.ca/isa/teaching/handbook/policy

5.12.2.23 Master of Arts in Teaching and Learning – Regulations and Programs

5.12.2.23.1 Time Commitment

The M.A. in Teaching and Learning program is designed such that the program may be completed in five or six consecutive terms. In all cases, the program begins with mandatory courses in the Summer term. It is important to note the following:

- Internship semesters have 12 credits, including required corequisite courses.
- Internship placements are completed full-time in an elementary or secondary (depending on the program) school in Quebec. See [section 5.12.2.22: Graduate Student Teaching / M.A. in Teaching and Learning Internship](#).
- Summer terms are mandatory in the MATL program. Consult the program overview by term on the [Department website](#).

Students should consult a Program Coordinator and program overviews for details. Full-time/part-time status may also affect financial aid arrangements; contact the [Scholarships and Student \(Financial\) Aid Office](#) for more information. See [section 1.1.2: Categories of Students](#) for information about full-time and part-time study.

5.12.2.23.2 English Language Requirement

The Quebec Ministry of Education requires that all students in teacher education programs demonstrate their proficiency in the language of instruction. To fulfil this obligation, M.A. in Teaching and Learning students are required to write the English Examination for Teacher Certification (EETC) in May of the first Summer term of the program. Students must pass the examination in the first Summer term and prior to Internship 1. Students who do not pass the EETC exam must meet with the Program Coordinator to determine an individual program trajectory. Note, failure of the EETC exam may compromise a student's ability to maintain full-time status.

The examination is coordinated by an independent body, the Centre for the English Exam for Teacher Certification. Information is available on the [CEETC website](#). McGill assists with the administration and scheduling of the examination. To write this examination, students must first register on Minerva for a section of EDTL 515 in the Summer term, then register with the Centre at www.ceetc.ca and pay a fee before writing the test.

Students who do not pass both sections of the examination the first time are expected to meet with their Program Coordinator to plan a course of action for English language proficiency improvement. Students are required to take the EETC again, and must successfully complete the section that was not passed. A fee is charged each time the examination is written. Students who have not completed both sections of the examination on their fourth attempt are required to withdraw from the program, and must consult with a Program Coordinator about readmission procedures.

5.12.2.23.3 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](#).

5.12.2.23.4 Portfolio

All students in the M.A. Teaching and Learning program are expected to complete a professional e-portfolio upon completion of their program. Support for e-portfolio development is provided in the professional seminars that are corequisite to each Internship. Guidelines and resources for e-portfolios are posted at mcgill.ca/dise/grad.

5.12.2.23.5 Progress Tracking Report

Students in the M.A. Teaching and Learning program will engage in graduate progress tracking using the reporting forms and timelines established by the department specific to the MATL program.

5.12.2.24 Master of Arts (M.A.) in Teaching and Learning (Non-Thesis): English or French Second Language (60 credits)

The French option of this program is currently not offered.

The M.A. in Teaching and Learning Program is a 60-credit, post-graduate degree leading to teacher certification. It is comprised of 45 credits of coursework, coupled with 15 credits (minimum of 735 hours) of internship. This professional program leads to teacher certification to those already holding an undergraduate degree in a teachable subject area identified by the 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. Alternately, the program can be followed on a part-time basis, in which case all program requirements must be completed within five years.

Throughout the MATL, emphasis will be on the demonstration of mastery of the Québec Ministry of Education professional competencies. Upon completion, students are recommended to the Quebec Ministry of Education for certification.

Note: The Quebec Ministry of Education requires that all students pass the English Exam for Teacher Certification (EETC) or the Test de certification en français écrit pour l'enseignement (TECFÉE), as appropriate, prior to taking EDIN 610 Internship 1.

Required Courses (54 credits)

EDEC 612	(3)	Digital Media and Learning
EDEM 609	(3)	Critical Perspectives in Educational Theory and Research
EDIN 610	(7)	Internship 1
EDIN 620	(8)	Internship 2
EDPS 600	(3)	Introductory Professional Seminar
EDPS 610	(2)	Professional Seminar 1
EDPS 620	(1)	Professional Seminar 2
EDSL 500	(3)	Foundations and Issues in Second Language Education
EDSL 505	(3)	Second Language Acquisition Applied to Classroom Contexts
EDTL 500	(3)	Applications of Educational Psychology Across Classrooms
EDTL 515	(0)	English Exam for Teacher Certification
EDTL 601	(3)	Cross-curricular Teaching Methods
EDTL 604	(3)	Techniques for Assessment
EDTL 609	(3)	Diverse Learners
EDTL 635	(3)	Applied Methods in Second Language Education
EDTL 636	(3)	Adv. Applied Methods in Second Language Education
EDTL 640	(3)	Teacher Inquiry and Action Research

Complementary Courses (6 credits)

3 credits selected from (in accordance with teaching English or French as a second language):

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
EDEC 620	(3)	Meanings of Literacy
EDEM 609	(3)	Critical Perspectives in Educational Theory and Research
EDIN 610	(7)	Internship 1
EDIN 620	(8)	Internship 2
EDPS 600	(3)	Introductory Professional Seminar
EDPS 610	(2)	Professional Seminar 1
EDPS 620	(1)	Professional Seminar 2
EDTL 500	(3)	Applications of Educational Psychology Across Classrooms
EDTL 515	(0)	English Exam for Teacher Certification
EDTL 601	(3)	Cross-curricular Teaching Methods
EDTL 604	(3)	Techniques for Assessment
EDTL 607	(3)	Language and Policy in Quebec Education
EDTL 609	(3)	Diverse Learners
EDTL 629	(3)	Applied Methods in Teaching Secondary Eng. Language Arts
EDTL 630	(3)	Advanced Applied Methods in Teaching Sec English Lang Arts
EDTL 640	(3)	Teacher Inquiry and Action Research

Complementary Courses (6 credits)

3 credits selected from:

EDER 600	(3)	Globalization, Education and Change
EDTL 508	(3)	Critical Influences on Educational Praxis

3 credits selected from:

EDER 609	(3)	Education and Philosophical Thought
EDER 615	(3)	Introduction to Philosophy of Education
EDTL 506	(3)	Philosophy of Education

5.12.2.26 Master of Arts (M.A.) in Teaching and Learning (Non-Thesis):Mathematics Option (60 credits)

The M.A. in Teaching and Learning Program is a 60-credit, post-graduate degree leading to teacher certification. It is comprised of 45 credits of coursework coupled with 15 credits (minimum of 735 hours) of internship. This professional program leads to teacher certification to those already holding an undergraduate degree in a teachable subject area identified by the Quebec Ministry of Education. The program, which targets those with formal and/or non-formal teaching 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)	Adv Applied Meth in Teaching Social Sciences in Sec. School

3 credits selected from:

EDEC 648	(3)	Historical Knowledge and Social Change
EDER 626	(3)	Theory and Praxis of Ethics and Religious Education

3 credits selected from:

EDER 600	(3)	Globalization, Education and Change
EDTL 508	(3)	Critical Influences on Educational Praxis

3 credits selected from:

EDER 609	(3)	Education and Philosophical Thought
EDER 615	(3)	Introduction to Philosophy of Education
EDTL 506	(3)	Philosophy of Education

5.12.2.28 Master of Arts (M.A.) in Teaching and Learning (Non-Thesis): Science and Technology Option (60 credits)

The M.A. in Teaching and Learning Program is a 60-credit, post-graduate degree leading to teacher certification. It is comprised 45 credits of coursework, coupled with 15 credits (minimum of 735 hours) of internship. This professional program leads to teacher certification to those already holding an undergraduate degree in a teachable subject area identified by the Quebec Ministry of Education. The program, which targets those with formal and/or non-formal teaching experience, begins with mandatory courses in the Summer term. The specific course sequence and progression leads students to complete the program in five consecutive terms on a full-time basis. The program must be completed within three years. Alternatively, the program can be followed on a part-time basis, in which case all program requirements must be completed within five years. Throughout the MATL, emphasis will be on the demonstration of mastery of the Québec 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
EDTL 506	(3)	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
EDEC 707	(3)	Interpretive Inquiry
EDEM 692	(3)	Qualitative Research Methods
EDSL 630	(3)	Qualitative/Ethnographic Methods

One course, at the 500 level or higher on gender/women's issues, to be chosen from the approved list (available from the McGill Institute for Gender, Sexuality, and Feminist Studies) in consultation with the Doctoral Advisory Committee depending on the student's background and research interests. In some cases, additional courses may be required or recommended by the Doctoral Advisory Committee.

5.12.2.31 Doctor of Philosophy (Ph.D.) Educational Studies: Language Acquisition

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

Thesis

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

Required Courses (14 credits)

EDEC 700	(2)	Proseminar in Education 1
EDEC 701	(0)	Ph.D. Comprehensive Examination
EDEC 702	(2)	Proseminar in Education 2
EDEC 703	(4)	Ph.D. Colloquium
LING 710	(2)	Language Acquisition Issues 2
PSYC 709	(2)	Language Acquisition Issues 1
SCSD 712	(2)	Language Acquisition Issues 4

Complementary Courses (9 credits)

3 credits of graduate-level statistics from the courses below:

Students who have taken an equivalent course in statistics, or are currently taking an equivalent course as part of their Ph.D. program requirements, will be deemed to have satisfied this requirement for the Language Acquisition Option.

EDPE 676	(3)	Intermediate Statistics
EDPE 682	(3)	Univariate/Multivariate Analysis
LING 620	(3)	Experimental Linguistics: Methods
PSYC 650	(3)	Advanced Statistics 1
PSYC 651	(3)	Advanced Statistics 2

3 credits selected from the following list:

EDEC 705	(3)	Advanced Research Designs
EDEC 706	(3)	Textual Approaches to Research
EDEC 707	(3)	Interpretive Inquiry

At least 3 credits selected from the following list:

EDSL 620	(3)	Social Justice Issues in Second Language Education
EDSL 623	(3)	Second Language Learning
EDSL 624	(3)	Educational Sociolinguistics
EDSL 627	(3)	Instructed Second Language Acquisition Research
EDSL 632	(3)	Second Language Literacy Development
LING 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
EDEM 610	(3)	Leadership in Action
EDEM 628	(3)	Education Resource Management
EDEM 635	(3)	Fiscal Accountability in Education
EDEM 637	(3)	Managing Educational Change
EDEM 644	(3)	Curriculum Development and Implementation
EDEM 646	(3)	Planning and Evaluation

Or other 500-level or higher courses approved by the Graduate Certificate Program Director.

5.12.2.34 Graduate Certificate (Gr. Cert.) Educational Leadership 2 (15 credits)

This 15-credit program explores more deeply leadership theory and educational issues and applications in a practicum. Candidates for the Graduate Certificate in Educational Leadership 2 should normally have completed the first certificate. In combination, the two certificates allow school administrators to acquire the 30 graduate credits in the field of educational leadership required by the Quebec Ministry of Education.

Students in the online version of this program, please click here for information on additional requirements.

https://www.mcgill.ca/study/university_regulations_and_resources/graduate/gi_regulations_id_and_personal_information#booknode-61130

Course selection to be approved by Graduate Certificate Program Director.

No course taken in Certificate 1 can be repeated in Certificate 2.

Complementary Courses

15 credits from:

EDEM 606	(3)	Educational Leadership Issues
EDEM 660	(3)	Community Relations in Education
EDEM 664	(3)	Education and the Law
EDEM 671	(3)	Role of the Leader
EDEM 673	(3)	Leadership Theory in Education
EDEM 675	(3)	Special Topics 1 in Educational Leadership
EDEM 681	(3)	Practicum - Administrative Studies
EDEM 693	(3)	School Improvement Approaches
EDEM 695	(3)	Policy Studies in Education

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)

EDEM 625*	(6)	Project 1
EDEM 625N1*	(3)	Project 1
EDEM 625N2*	(3)	Project 1
EDEM 627	(6)	Project 2

* Students take either EDEM 625 or EDEM 625N1 and EDEM 625N2

Complementary Courses (3 credits)

3 credits from:

EDEM 690	(3)	Research Methods: Theory and Practice
EDEM 692	(3)	Qualitative Research Methods
EDTL 640	(3)	Teacher Inquiry and Action Research

Or other 500-level or higher research method courses approved by the Graduate Certificate Program Director.

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

** This program is currently not offered. **

The Graduate Certificate in International Leadership in Educational and Administrative Development (I-LEAD) targets leaders, consultants, senior management, administrators, and policy makers from a range of educational institutions (universities, colleges, private schools), organizations (hospitals, community, governmental), and the corporate sector. The varied curriculum provide a world-class global training experience in educational leadership. The majority of courses are delivered online asynchronously, with students accessing learning material and engaging in online discussions. Courses are offered online during the fall, winter, and spring semesters, and also include an intensive summer component on the McGill campus.

Required Courses (15 credits)

EDLE 601	(3)	Resource Administration and Fiscal Accountability
EDLE 602	(3)	Marketing & Strategy in International Education Leadership
EDLE 603	(3)	Educational Planning and Evaluation
EDLE 604	(3)	Education and Internationalization
EDLE 605	(3)	Leading for Success in Educational Institutions

5.12.2.37 Graduate Certificate (Gr. Cert.) Teaching English as a Second Language (15 credits)

This 15-credit certificate is designed as professional development for in-service teachers and candidates with a background in education, language studies, linguistics, or a related field, or as preparation for application to our M.A. in Second Language Education. The five courses that comprise the certificate provide a solid background and offer in-depth study in the field of second-language education from a range of perspectives and with a focus on research and applications to teaching. Please note that this certificate does not lead to teacher certification.

The Graduate Certificate in TESL is designed to be available to students worldwide. Courses are offered in a combination of online and face-to-face formats, and sequenced in such a way that students can complete the certificate in one year. The maximum time for completion is five years. The first three courses are offered online, and can be undertaken anywhere an Internet connection is available. The final two courses are offered face-to-face either on-site at McGill or at off-site locations with collaborative partners, if numbers warrant.

Please click here for information on additional requirements for students pursuing this online program:

https://www.mcgill.ca/study/university_regulations_and_resources/graduate/gi_regulations_id_and_personal_information#booknode-61130

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**, which aims to understand human structure and function interactions between biology (muscles, bones, joints), mechanics (forces, acceleration, motion) and/or the nervous system (brain, nerves, genetics).
- **Exercise Physiology**, which tests the effects of exercise and physical activity on functional, health, and performance outcomes in healthy, clinical, and athletic populations.
- **Physical and Health Education**, which studies physical and health education programming, physical education teacher experiences, curriculum studies, and teacher education.
- **Sport Sociology & Cultural Studies**, which corresponds to the sociocultural study of sport, recreation, and leisure across a variety of contexts.
- **Adapted Physical Activity**, which investigates, in real world settings, the physical activity and sport participation of people living with one or multiple disabilities, including developmental, emotional, intellectual, and/or physical disabilities.
- **Sport, Exercise, and Health Psychology**, which aims to understand how psychological and social factors influence behavioural outcomes (e.g., sport performance, exercise motivation), and psychosocial development, health, and well-being.

section 5.12.3.5: Master of Arts (M.A.) Kinesiology and Physical Education (Thesis) (45 credits) and section 5.12.3.6: Master of Science (M.Sc.) Kinesiology and Physical Education (Thesis) (45 credits)

The thesis programs in Kinesiology and Physical Education are designed to help students develop research skills and expertise in their selected areas of research. All students must have a physical science background to study in the M.Sc. program and a social-psychological background to study in the M.A. program. Students are supervised by a faculty researcher in their respective laboratory or clinical locations.

These research programs often lead to career advancement in academic, scholastic, industrial, clinical, and/or social health care settings.

section 5.12.3.7: Doctor of Philosophy (Ph.D.) Kinesiology Sciences

The objective of the Ph.D. in Kinesiology Sciences is to provide opportunities for in-depth research experience in (an) area(s) of Departmental expertise within the breadth of kinesiology research. Students with a Master's degree in kinesiology or related discipline or equivalent background will qualify to apply. Students are supervised by a faculty researcher in their respective laboratory or clinical location(s). Students will complete a number of courses, including a capstone course intended to survey contemporary issues in kinesiology research. Students will become experts in their research field while obtaining knowledge on the multidisciplinary nature of Kinesiology Sciences.

5.12.3.3 Kinesiology and Physical Education Admission Requirements and Application Procedures

5.12.3.3.1 Admission Requirements

Master's level

1. An undergraduate degree in Physical and Health Education, Exercise Science, Kinesiology, or its equivalent is required.
2. A minimum academic standing equivalent to a CGPA of 3.0 out of 4.0 or a GPA of 3.2 out of 4.0 in the last two years of full-time studies.

Doctoral level

1. A Master's degree in Kinesiology or a related discipline, or an equivalent background is required.
2. A minimum academic standing equivalent to a CGPA of 3.0 out of 4.0 or a GPA of 3.2 out of 4.0 in the last two years of full-time studies.

5.12.3.3.2 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.

Admissions and application information for [Master's](#) and [Doctoral](#) programs is also available on the Department of Kinesiology and Physical Education's website (mcgill.ca/edu-kpe/programs)

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 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, a late and/or incomplete application is considered only as time and space permit.

5.12.3.4 Kinesiology and Physical Education Faculty

Chair

Julie Côté

Undergraduate Program Director

Celena Scheede-Bergdahl

Graduate Program Director

Lindsay Duncan

Emeritus Professors

Theodore Milner; Greg Reid

Professors

Ross E. Andersen; Gordon Bloom; Julie Côté; Dilson Rassier.

Associate Professors

Lindsay Duncan; William Harvey; Dennis Jensen; Caroline Paquette; David J. Pearsall; Shane Sweet.

Assistant Professors

Tyler Churchward-Venne; Benoit Gentil; Jenna Gibbs; Jordan Koch; Charlotte Usselman.

Senior Faculty Lecturer

Celena Scheede-Bergdahl

Faculty Lecturer

Jessica Mocella

Associate Members

Susan Bartlett; José Morais; Shawn Robbins.

Adjunct Professors

Philippe Dixon; Kazi Jamil.

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:

EDKP 631	(3)	Qualitative Methods
EDPE 676	(3)	Intermediate Statistics

9 credits from:

Students must take a minimum of 9 credits of coursework in a classroom setting that is relevant to their area of research selected in consultation with the Graduate Student Adviser.

EDKP 548	(3)	Applied Exercise Psychology
EDKP 603	(6)	Individual Reading Course 1
EDKP 616	(3)	Individual Reading Course 2
EDKP 625	(3)	Sport, Physical Activity and Social Theory
EDKP 631	(3)	Qualitative Methods
EDKP 654	(3)	Sport Psychology
EDKP 664	(3)	Motor Learning and Behaviour
EDKP 671	(3)	Experimental Problems
EDKP 672	(6)	Advanced Experimental Problems
EDPE 676	(3)	Intermediate Statistics

Students may also take courses (500, 600, or 700 level) outside of the department chosen in consultation with the supervisor or student adviser, up to a maximum of 6 credits.

5.12.3.6 Master of Science (M.Sc.) Kinesiology and Physical Education (Thesis) (45 credits)

The M.Sc. in Kinesiology and Physical Education (Thesis) focusses on research in the social and pedagogical sciences related to kinesiology, physical activity, and physical education. Related areas of research include, but not limited to, biomechanics, exercise physiology and motor control and learning.

Thesis Courses (24 credits)

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 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

6.2 Graduate and Postdoctoral Studies

6.2.1 Administrative Officers

Administrative Officers

Josephine Nalbantoglu; B.Sc., Ph.D.(McG.)

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

Lorraine Chalifour; B.Sc., Ph.D. (Manit.)

Associate Dean (Graduate and Postdoctoral Studies)

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

Associate Dean (Graduate and Postdoctoral Studies)

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 Research* section of this publication contains important details postdoctoral scholars will require during their studies at McGill and should be periodically consulted, along with other sections and related publications.

6.8.1 Postdocs

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

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

6.8.2 Guidelines and Policy for Academic Units on Postdoctoral Education

Every unit hosting postdocs should apply institutional policies and procedures for the provision of postdoctoral education and have established means for informing postdocs of policies, procedures, and privileges (available at [mcgill.ca/gps/postdocs](#)), as well as mechanisms for addressing complaints. For their part, postdocs are responsible for informing themselves of such policies, procedures, and privileges.

1. Definition and Status

- i. Postdoctoral status will be recognized by the University in accordance with Quebec provincial regulations as may be modified from time to time. The eligibility period for postdoctoral status is up to five years from the date when the Ph.D. or equivalent degree was awarded. A [section 1.2.8: leave of absence](#) for parental or health reasons may extend the eligibility period. Leaves for other reasons, including vacation, do not impact the eligibility period.
- ii. Some McGill postdocs have dual status as both students and employees (unionized or non-unionized). Consult the [Graduate and Postdoctoral Studies website](#) for definitions of Postdoctoral Fellows, Postdoctoral Scholars and Postdoctoral Researchers.
- iii. Postdocs must conduct research under the supervision of a McGill professor (including Adjunct Professors), qualified in the discipline in which training is being provided and with the ability to fulfil supervisory responsibilities and act as a mentor for career development. Postdocs are expected to engage primarily in research with minimal teaching or other responsibilities.

2. Registration

- i. Postdocs must [register](#) annually with the University through Enrolment Services. Registration will be limited to postdocs who fulfil the definition above, and who meet the eligibility criteria as stipulated on the [Graduate and Postdoctoral Studies website](#).
- ii. Upon registration, postdocs will be eligible for a University identity card issued by Enrolment Services.
- iii. Leaves of absence must comply with the Graduate and Postdoctoral Studies Policies for Vacation, Parental/Familial, and Health Leave (see [section 2.8.3: Vacation Policy for Graduate Students and Postdocs](#) and [University Regulations & Resources > Graduate > Regulations > Categories of Students > section 1.2.8: Leave of Absence Status](#)).

3. Appointment, Funding, Letter of Agreement

- i. Postdoctoral appointments may not exceed the registration eligibility period as defined above.
- ii. In order to be registered, the postdoc must be assured of financial support other than from personal means during their stay at McGill University. This amount must be equivalent to the minimal stipend requirement set by the University in accordance with guidelines issued by federal and provincial research granting agencies or the collective agreement, as applicable. Funding during parental leave is subject to the conditions of the funding agency or the collective agreement, as applicable.
- iii. Postdocs require a [Letter of Agreement for Postdoctoral Education](#) signed by the postdoc, the supervisor, and the department/unit head or delegate.
- iv. Postdocs with full responsibility for teaching a course should be compensated over and above their postdoctoral funding as course lecturers. This applies to all postdocs, except those for whom teaching is part of the award.
- v. The amount of research, teaching, or other tasks that postdocs engage in over and above postdoctoral activities should conform to the regulations for postdocs specified by the Canadian research council of their discipline or the collective agreement. This applies to all postdocs, including those whose funding does not come from the Canadian research councils.

4. Privileges

- i. Postdocs have the same pertinent rights as the ones granted to McGill students under [mcgill.ca/students/srr](#), and those granted by the policies listed at [mcgill.ca/secretariat/policies-and-regulations](#).

- ii. Postdocs have full graduate student borrowing privileges in McGill libraries through their identity card.
- iii. As a general rule, postdocs may take courses for credit as Special Students following the admissions procedures outlined at mcgill.ca/gradapplicants/apply/prepare/visiting. *Tuition and other charges* will apply.
- iv. Postdocs may be listed in the McGill directory.
- v. Access to sports facilities may be purchased on a monthly basis through McGill Athletics and Recreation.
- vi. Postdoctoral Fellows and Scholars are mandatory members of the Post-Graduate Students' Society (PGSS) and an annual association fee is automatically charged.
- vii. Postdocs are permitted membership in the Faculty Club; an annual fee will be charged for this membership.
- viii. Postdocs are encouraged to participate in Professional Development Workshops provided by Graduate and Postdoctoral Studies, and Teaching and Learning services. These sessions are usually free of charge.
- ix. Postdocs have 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 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."

6.8.5 Postdoctoral Research Trainees

Eligibility

If your situation does not conform to the Government of Quebec's definition of a Postdoctoral Fellow, you may be eligible to attend McGill as a Postdoctoral Research Trainee. While at McGill, you can perform research only (you may not register for courses or engage in clinical practice). Medical specialists who will have clinical exposure and require a training card must register through Postgraduate Medical Education of the Faculty of Medicine and Health Sciences—not Graduate and Postdoctoral Studies.

The category of Postdoctoral Research Trainee is for:

Category 1: An individual who has completed requirements for the Doctoral degree or medical specialty, but whose degree/certification has not yet been awarded. An individual in this category will subsequently be eligible for registration as a Postdoctoral Fellow.

Category 2: An individual who is not eligible for Postdoctoral Registration according to the Government of Quebec's definition, but is a recipient of an external postdoctoral award from a recognized Canadian funding agency.

Category 3: An individual who holds a professional degree (or equivalent) in a regulated health profession (as defined under CIHR-eligible health profession) and is enrolled in a program of postgraduate medical education at another institution. This individual wishes to conduct the research stage or elective component of their program of study at McGill University under the supervision of a McGill professor. This individual will be engaged in full-time research with well-defined objectives, responsibilities, and methods of reporting. Applications must be accompanied by a letter of permission from the applicant's home institution (signed by the Department Chair, Dean, or equivalent) confirming registration in their program and stating the expected duration of the research stage. Individuals who are expecting to spend more than one year are encouraged to obtain formal training (master's or Ph.D.) through application to a relevant graduate program.

Category 4: An individual with a regulated health professional degree (as defined under CIHR-eligible health profession), but not a Ph.D. or equivalent or medical specialty training, but who fulfils criteria for funding on a tri-council operating grant or by a CIHR fellowship (up to maximum of five years post-degree).



Note: Individuals who are not Canadian citizens or permanent residents must inquire about eligibility for a work permit.

General Conditions

- The maximum duration is three years
- The individual must be engaged in full-time research
- The individual must provide copies of official transcripts/diplomas
- The individual must have the approval of a McGill professor to supervise the research and of the Unit
- The individual must have adequate proficiency in English, but is not required to provide official proof of English competency to Enrolment Services
- The individual must comply with regulations and procedures governing research ethics and safety and obtain the necessary training
- The individual will be provided access to McGill libraries, email, and required training in research ethics and safety. Any other University services must be purchased (e.g., access to athletic facilities)
- The individual must arrange for basic health insurance coverage prior to arrival at McGill and may be required to provide proof of coverage

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
 Montreal QC H3A 0C2
 Telephone: 514-398-6700
 Website: mcgill.ca/architecture

6.12.1.2 About Peter Guo-hua Fu School of Architecture

M.Arch. Professional (Non-Thesis) and Ph.D. Programs

The Peter Guo-hua Fu School of Architecture at McGill University has a professional Master of Architecture program and a Ph.D. program.

The **M.Arch. Professional** requires the equivalency of the B.Sc. (Arch.) degree for admittance. The M.Arch. Professional program is accredited by the Canadian Architectural Certification Board (CACB) and is recognised as accredited by the *National Council of Architectural Registration Boards* (NCARB) in the U.S.

The **Ph.D. program** is for study beyond the professional degree in architecture. The program has been conceived to respond to the needs of graduates with some professional experience who wish to acquire more specialized knowledge in architecture. Information concerning the Ph.D. program, the duration of all programs offered, documents required of applicants, etc., may be obtained at mcgill.ca/architecture.

Architectural Certification in Canada

In Canada, all provincial associations recommend a degree from an accredited professional degree program as a prerequisite for licensure. The *CACB*, which is the sole agency authorized to accredit Canadian professional degree programs in architecture, recognizes two types of accredited degrees: the Bachelor of Architecture and the Master of Architecture. A program may be granted a six-year, three-year, or two-year term of accreditation, depending on its degree of conformance with established educational standards.

Master's degree programs may consist of a pre-professional undergraduate degree and a professional graduate degree, which, when earned sequentially, comprise an accredited professional education. However, the pre-professional degree is not, by itself, recognized as an accredited degree.

Since all provincial associations in Canada recommend any applicant for licensure to have graduated from a CACB-accredited program, obtaining such a degree is an essential aspect of preparing for the professional practice of architecture. While graduation from a CACB-accredited program does not assure registration, the accrediting process is intended to verify that each accredited program substantially meets those standards that, as a whole, comprise an appropriate education for an architect.

section 6.12.1.5: Master of Architecture (M.Arch.) Professional (Non-Thesis) (60 credits)

The M.Arch. Professional (Non-Thesis) degree program provides a structured opportunity to explore advanced architectural design, integrating building construction, landscape and urban design, professional practice, sustainable design, and the history and theory of architecture. A strategic focus on design methodology, innovative research, and self-directed inquiry, supported by the advanced media and modeling technologies and other resources required to carry out architectural research and creative practice.

section 6.12.1.6: Doctor of Philosophy (Ph.D.) Architecture

The McGill University Ph.D. in Architecture is a research degree with a thesis. The foundations for the doctoral thesis are developed through a series of courses taken in the first two years of study. Students and supervisors meet regularly 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. All students also participate in the two Research Seminars (ARCH 711, ARCH 712) to present the research framework and objectives for peer critique. By the end of the second year of studies (Ph.D. 3), Ph.D. students must complete the Comprehensive Examination (ARCH 701) with a formal presentation to their advisory committee.

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.

6.12.1.3 Architecture Admission Requirements and Application Procedures

6.12.1.3.1 Admission Requirements

M.Arch. (Professional) Program (Non-Thesis)

Applicants holding the McGill B.Sc.(Arch.) degree, or equivalent, with a cumulative grade point average (CGPA) of at least 3.0 on a scale of 4.0, are eligible to apply for admission.

Ph.D.

Candidates with high standing in McGill's M.Arch. (Post-professional), or who hold an equivalent degree from another university, are eligible to apply to this program. Those who have an adequate background at the master's level in the proposed area of research will be admitted to PhD 2 with the stipulation of additional courses, if necessary.

A working knowledge of a language or languages relevant to the area of research is required.

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.

6.12.1.32.1 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 at the institution. Please refer to 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, uploaded letters must be on university or company/business stationery and the referee must indicate their position and full contact information at the institution. Please refer to mcgill.ca/gradapplicants/apply/prepare/checklist/documents.
- Research proposal: a four-page research proposal, as well as a detailed explanation of why and with whom they wish to study at McGill University's Peter Guo-hua Fu School of Architecture.
- Written work: a sample of the applicant's written work, drawn from essays, papers, or other work previously submitted for academic evaluation or publication, and falling within the desired field of graduate study.
- Proof of English language proficiency: Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English. Before acceptance, appropriate exam results must be

submitted directly from the [TOEFL](#) (Test of English as a Foreign Language) or [IELTS](#) (International English Language Testing Systems) Office. An institutional version of the TOEFL is not acceptable. Applications will not be considered if a TOEFL or IELTS test result is not available. For the TOEFL, a minimum overall score of 86 is required on the Internet-based test (iBT), with each component score (i.e., reading, writing, speaking, listening) not less than 20. (The TOEFL Institution Code for McGill University is 0935.) For the IELTS, a minimum overall band score of 6.5 is required. For further information, please refer to mcgill.ca/gradapplicants/international/proficiency.

* More information is available on the [Peter Guo-hua Fu School of Architecture website](#).

6.12.1.3.3 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 Peter Guo-hua Fu School of Architecture and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program.

	Application Opening Dates		Application Deadlines		
	All Applicants	Non-Canadian citizens	Canadian citizens/Perm. residents of Canada	Current McGill Students (any citizenship)	Special, Visiting & Exchange
Fall Term:	Sept. 15	<ul style="list-style-type: none"> Dec. 15 (M.Arch. Professional) Jan. 15 (Ph.D.) 	<ul style="list-style-type: none"> Dec. 15 (M.Arch. Professional) Jan. 15 (Ph.D.) 	<ul style="list-style-type: none"> Dec. 15 (M.Arch. Professional) Jan. 15 (Ph.D.) 	May 1 (M.Arch.(Professional) only)
Winter Term:	Feb. 15	N/A	N/A	N/A	Sept. 1 (M.Arch.(Professional) only)
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 Summer term admission will not be considered.

6.12.1.4 Architecture Faculty

Director

David Theodore

Undergraduate Program Director

David Covo

Graduate Program Director

Theodora Vardouli

Emeritus Professors

Bruce Anderson; Vikram Bhatt; Derek Drummond; Alberto Pérez-Gómez; Adrian Sheppard; Radoslav Zuk.

Associate Professors (Post-Retirement)

Ricardo L. Castro; Robert Mellin; Alberto Pérez-Gómez; Pieter Sijpkens.

Professors

Annamarie Adams; Martin Bressani; Avi Friedman.

Associate Professors

David Covo; Michael Jemtrud; Nik Luka; David Theodore; Ipek Türeli.

Assistant Professors

Salmaan Craig; Naomi Keena; Philip Tidwell; Theodora Vardouli.

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
ARCH 676	(9)	Advanced Architectural Design
ARCH 678	(3)	Advanced Construction
ARCH 683	(9)	Directed Research Project

Complementary Courses (18 credits)

18 credits chosen from among the following:

ARCH 514	(3)	Community Design Workshop
ARCH 515	(3)	Sustainable Design
ARCH 517	(3)	Sustainable Residential Development
ARCH 525	(3)	Seminar on Analysis and Theory
ARCH 528	(3)	History of Housing
ARCH 531	(3)	Architectural Intentions Vitruvius - Renaissance
ARCH 532	(3)	Origins of Modern Architecture
ARCH 535	(3)	History of Architecture in Canada
ARCH 536	(3)	Heritage Conservation
ARCH 540	(3)	Selected Topics in Architecture 1
ARCH 541	(3)	Selected Topics in Architecture 2
ARCH 542	(3)	Selected Topics in Architecture 3
ARCH 543	(3)	Selected Topics in Architecture 4
ARCH 604	(3)	Urban Design Seminar
ARCH 627	(3)	Research Methods
ARCH 641	(3)	Energy and Environments 1
ARCH 642	(3)	Energy and Environments 2
ARCH 670	(3)	Advanced Landscape Theory
ARCH 675	(3)	Architecture in Global Perspective

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 (ARCH 711, ARCH 712) to present the research framework and objectives for peer critique. By the end of the second year of studies (Ph.D.-3), the student must complete the Comprehensive Examination (ARCH 701) with a formal presentation to an Advisory Committee.

Thesis

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

Required Courses (15 credits)

ARCH 700	(0)	Thesis Proposal
ARCH 701	(0)	Comprehensive Examination
ARCH 711	(3)	Doctoral Proseminar 1
ARCH 712	(3)	Doctoral Proseminar 2
ARCH 721	(3)	Literature Review 1
ARCH 722	(3)	Literature Review 2
ARCH 723	(3)	Literature Review 3

Complementary Courses (9 credits)

Students must take 9 credits of courses at the 600 or 700 level, selected with the approval of the School.

6.12.2 Bioengineering

6.12.2.1 Location

Department of Bioengineering
McConnell Engineering Building, Room 350
3480 University Street
Montreal QC H3A 0E9
Telephone: 514-398-7254
Email: info.bioeng@mcgill.ca
Website: mcgill.ca/bioengineering

6.12.2.2 About Bioengineering

The Department of Bioengineering, established in 2012, is the newest department to join McGill University's renowned Faculty of Engineering. McGill researchers from nearly all faculty units, including seven Canada Research Chairs and many colleagues in the Faculties of Medicine and Health Sciences, Science, and Agricultural and Environmental Sciences, are actively involved in various areas of bioengineering. Within our Department, faculty members conduct research in three major fields:

- Biological materials and mechanics
- Biomolecular and cellular engineering
- Biomedical, diagnostics and high throughput screening

6.12.2.3 Graduate Studies

Graduate study in Bioengineering is available through the Biological and Biomedical Engineering (BBME) graduate programs, offered jointly by the Department of Bioengineering (Faculty of Engineering) and the Department of Biomedical Engineering (Faculty of Medicine and Health Sciences). Biological and Biomedical Engineering is a broad, interdisciplinary field that involves the application of engineering, the physical sciences, biological sciences, and computer science to medicine and the life sciences. McGill's BBME programs offer unsurpassed opportunities for multidisciplinary research with internationally-renowned scientists.

Please consult [section 8.12.1: Biological and Biomedical Engineering](#) and the [Biological and Biomedical Engineering website](#) for further information on this program.

6.12.2.4 Bioengineering Faculty

Chair

Dan V. Nicolau

Professors

Dan V. Nicolau; Amine Kamen; Sebastian Wachsmann-Hogiu; Yu (Brandon) Xia.

Associate Professors

Allen Ehrlicher; Adam Hendricks; J. Matt Kinsella; Georgios Mitsis.

Assistant Professors

Codruta Ignea; Sara Mahshid; Natalie Reznikov; Caroline Wagner.

6.12.3 Chemical Engineering

6.12.3.1 Location

Department of Chemical Engineering
 M.H. Wong Building
 3610 University Street
 Montreal QC H3A 0C5
 Canada
 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 novel polymerization methods). Applications of the research are targeted toward the development of next-generation, high-density storage media, functional coatings, electronic devices, composite fluids and “smart” materials, to name but a few.

Biomedical engineering and biotechnology – The majority of professors in the Department are involved with biological engineering. This is a very broad research area that includes biotechnology and biomedical engineering. Biotechnology is an integrated approach of combining life sciences (e.g., biochemistry and cell biology) with process engineering, design, and scale-up principles. This is the use of biological systems or living organisms to do practical things

and manufacture valuable products such as biohydrogen, drugs, therapeutics, polymers, and surfactants. Biomedical engineering combines the principles of engineering with medicine as well as life sciences and biology. Examples of this include:

- drug delivery methods;
- biomedical devices;
- cardiovascular and other biomechanics;
- biomaterials for applications such as artificial implants;
- products such as bacteriophages for alternative treatment techniques.

Energy – Energy usage has increased significantly since the steam engine launched the Industrial Revolution. This is due to our ever-growing human population, increased production of consumer goods, and rising use of energy-intensive devices such as automobiles, cell phones, computers, and climate comfort units. Instability in oil production and the inevitable depletion of fossil fuels is forcing scientists to find new resources and develop new technologies to keep pace with elevating energy demands. The Chemical Engineering Department at McGill University has an extensive research effort related to energy including:

- hydrogen production from microbial conversion of waste streams and electrolysis of water;
- hydrogen storage and molecular modelling of hydrogen storage;
- hydrogen fuel cells and solid oxide fuel cells;
- methane recovery, storage, and transportation using gas hydrates;
- oil and gas flow assurance;
- plasma technology to produce nanomaterials for energy conversion/storage devices.

Environmental engineering – Environmental engineering is the application of science and engineering principles to protect the environment and remediate contaminated sites. Chemical and environmental engineers develop and design processes to provide healthy air, water, and soil. They also develop green products and sustainable processes. Using their background in process engineering, environmental chemistry, earth sciences, and biology, engineers have to meet the current and future challenges in protecting, managing, and restoring the environment. Ongoing research in the area of environmental engineering in our department includes:

- the study of wastewater treatment processes;
- biodegradation of emerging pollutants;
- advanced oxidation processes;
- transport and fate of waterborne contaminants;
- production of alternative fuels;
- environmental nanotechnology for remediation of contaminated soils and waters;
- green chemistry for safer products and processes;
- development of biosensors for pollutant detection.

Plasma science and engineering – Plasma is often called the fourth state of matter, being the result of raising a gas to such an energy level that it contains conducting particles such as electrons and ions. While most of the universe is in a plasma state, plasmas on earth are relatively uncommon. Plasma science and engineering research examines the use of the plasma state to produce physical and chemical changes to matter (bulk and surfaces). Plasmas may be in non-equilibrium, a state in which the overall gas is at low temperature and only the electrons are very energetic, or in the equilibrium state, where the temperature of all constituents is essentially equal and may range from thousands to tens of thousands of degrees Kelvin (e.g., the sun's surface is in a plasma state, at a temperature of about 6,000K). Non-equilibrium plasmas are used in such applications as the deposition of coatings and functionalization of surfaces, the treatment of cells, and the treatment of harmful gases and liquids. Thermal plasmas are used in the synthesis of advanced materials such as nanoparticles, carbon nanotubes, and coatings, as well as in the treatment of toxic and persistent wastes and metallurgical processing. Both thermal and non-thermal plasmas are currently used and studied in the McGill *Plasma Processing Laboratory*, which forms one of the founding groups of the Plasma-Québec Centre.

section 6.12.3.5: Master of Science (M.Sc.) Chemical Engineering (Thesis) (45 credits)

The M.Eng. in Chemical Engineering (Thesis) is a research-oriented degree that allows the candidates to refine their skills by expanding their knowledge of chemical engineering through coursework and a research thesis under the supervision of a Faculty member (professor). The M.Eng. (Thesis) program offers advanced training in not only fundamentals but also research methods and is, therefore, the more suitable option for those whose primary interest is research. Graduates of this degree either pursue a Ph.D. or work in industry.

section 6.12.3.6: Master of Engineering (M.Eng.) Chemical Engineering (Non-Thesis) (45 credits)

The M.Eng. in Chemical Engineering (Non-Thesis) is a course-oriented degree, which includes a short project completed under the supervision of a Faculty member (professor). Through the program, graduate students can advance their knowledge in various chemical engineering disciplines through coursework and technical training.

section 6.12.3.7: Master of Engineering (M.Eng.) Chemical Engineering (Non-Thesis): Environmental Engineering (45 credits)

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

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. The objective of the program is to train environmental professionals at an advanced level. The program is designed for individuals with an undergraduate degree in engineering. This Non-Thesis degree falls within the M.Eng. and M.Sc. programs which are offered in the Departments of Bioresource, Chemical, Civil, and Mining and Materials Engineering. The Environmental Engineering program emphasizes interdisciplinary fundamental knowledge, practical perspective and awareness of environmental issues. It is a course-oriented degree, which includes prescribed courses related to environmental engineering and a short project completed under the supervision of a Faculty member (professor). Graduate students can specialize in environmental engineering through this program offered in collaboration with the Bieler School of Environment.

section 6.12.3.8: Doctor of Philosophy (Ph.D.) Chemical Engineering

The Ph.D. is a research degree requiring few courses and an extensive thesis, conducted under the supervision of a Faculty member (professor), that makes a distinct contribution to knowledge. The Ph.D. program prepares candidates for a career in teaching, research, and/or development and graduates are expected to have acquired autonomy in conducting research. McGill also offers various workshops that provide general, transitional, and professional skills development opportunities, preparing candidates for various career options following the Ph.D.

6.12.3.3 Chemical Engineering Admission Requirements and Application Procedures**6.12.3.3.1 Admission Requirements**

Admission to graduate studies requires a minimum CGPA of 3.0/4.0 (or equivalent) for the complete bachelor's program, or a minimum GPA of 3.2/4.0 (or equivalent) in the last two years of full-time studies in an undergraduate program. Applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must achieve a minimum *TOEFL* score of 90 on the Internet-based test (iBT), with each component score not less than 20, prior to admission.

M.Sc. (Thesis), M.Eng. (Non-Thesis)

Admission requires a bachelor's degree (or equivalent) in engineering or science disciplines.

Ph.D.

Admission requires a master's degree (or equivalent) from a recognized university. Students in the Department's M.Eng. (Thesis) program may petition to transfer to the Ph.D. program after one year without submitting the master's thesis following a formal "fast-track" procedure. At their request, applicants (without a master's degree) with exceptionally high Academic Standing and outstanding research potential will be considered for direct admission to the Ph.D. program.

6.12.3.3.2 Application Procedure

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.

6.12.3.3.2.1 Additional Requirements

- Reference Letter – Ph.D. applicants must submit a letter of recommendation from their master's research supervisor.

6.12.3.3.3 Application Dates Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Chemical Engineering and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program.

		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	Aug. 1	Oct. 15	Oct. 15	
Summer Term:	May 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.

Application Deadlines differ for International and Canadian (and Permanent Resident) students to allow time to obtain a visa.

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 Kopycinski; 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
CHEE 698	(12)	Thesis Research 1
CHEE 699	(13)	Thesis Research 2

Required Courses (4 credits)

CHEE 681	(1)	Laboratory Safety 1
CHEE 682	(1)	Laboratory Safety 2
CHEE 687	(2)	Research Skills and Ethics

Complementary Courses (10 credits)

4 credits from 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
CHEE 651	(4)	Advanced Biochemical Engineering
CHEE 662	(4)	Computational Methods
CHEE 672	(4)	Process Dynamics and Control
CHEE 688	(4)	Advanced Materials in Chemical Engineering

A minimum of 3 credits of Chemical Engineering courses at the 500, 600, or 700 level.

Any remaining complementary course credit requirements may be fulfilled by completing Chemical Engineering or other Engineering or Science courses at the 500, 600, or 700 level.

6.12.3.6 Master of Engineering (M.Eng.) Chemical Engineering (Non-Thesis) (45 credits)

Research Project

Project (design or research): 6-12 credits.

6 credits must include the following course:

CHEE 695	(6)	Project in Chemical Engineering
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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: (3 credits)

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

Soil and water quality management: (3 credits)

BREE 533	(3)	Water Quality Management
CIVE 686	(4)	Site Remediation

Environmental impact: (3 credits)

GEOG 601	(3)	Advanced Environmental Systems Modelling
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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

CHEE 651	(4)	Advanced Biochemical Engineering
CHEE 662	(4)	Computational Methods
CHEE 672	(4)	Process Dynamics and Control
CHEE 688	(4)	Advanced Materials in Chemical Engineering

6.12.4 Civil Engineering

6.12.4.1 Location

Department of Civil Engineering
 Macdonald Engineering Building, Room 492
 817 Sherbrooke Street West
 Montreal QC H3A 0C3
 Canada
 Telephone: 514-398-6858
 Email: gradinfo.civil@mcgill.ca
 Website: mcgill.ca/civil

6.12.4.2 About Civil Engineering

Advanced courses of instruction and laboratory facilities are available for Engineering graduate students who wish to proceed to the degrees of **M.Eng.**, **M.Sc.**, and **Ph.D.**

Graduate studies and research are at present being conducted in the fields of structures; infrastructure rehabilitation; risk engineering; fluid mechanics and hydraulics; materials engineering; soil behaviour; soil mechanics and foundations; water resources engineering; environmental engineering; and transportation engineering.

The master's degree can be pursued as a research degree (M.Sc.-Thesis) or as a coursework-based degree (M.Eng.-Non-Thesis). The thesis degree is for those who wish to undertake research while the non-thesis degree is for those who wish to have a broader and more specialized training in civil engineering.

section 6.12.4.5: Master of Science (M.Sc.) Civil Engineering (Thesis) (45 credits)

Students obtain a deeper understanding of their area of specialty through courses selected with their supervisor. A two- to three-semester independent research project is undertaken in the field of structures; infrastructure rehabilitation; risk engineering; fluid mechanics and hydraulics; materials engineering; soil behaviour; soil mechanics and foundations; water resources engineering; environmental engineering; and transportation engineering.

section 6.12.4.6: Master of Engineering (M.Eng.) Civil Engineering (Non-Thesis): Environmental Engineering (45 credits)

This program is offered to students with a university undergraduate degree in engineering who desire graduate education in the environmental engineering field. This option is within the context of the existing M.Eng. (non-thesis) programs currently offered in the Departments of Bioresource Engineering (Agricultural and Environmental Sciences); Chemical Engineering; Civil Engineering; and Mining and Materials Engineering. This program emphasizes interdisciplinary fundamental knowledge courses, practical applications in diverse environmental contexts, and functional skills needed for solving environmental problems through a wide range of technical and non-technical courses offered by collaborating departments and faculties at the University. Candidates must possess a bachelor's degree in engineering. The Environmental Engineering option is administered by the Faculty of Engineering.

Further information may be obtained from the Program Coordinator, Department of Civil Engineering.

section 6.12.4.7: Master of Engineering (M.Eng.) Civil Engineering (Non-Thesis) (45 credits)

This is primarily a coursework degree with the possibility of a small independent research project.

section 6.12.4.8: Doctor of Philosophy (Ph.D.) Civil Engineering

Research can be conducted in the fields of structures; infrastructure rehabilitation; risk engineering; fluid mechanics and hydraulics; materials engineering; soil behaviour; soil mechanics and foundations; water resources engineering; environmental engineering; and transportation engineering.

6.12.4.3 Civil Engineering Admission Requirements and Application Procedures

6.12.4.3.1 Admission Requirements

The general rules of Graduate and Postdoctoral Studies apply and are detailed in [University Regulations & Resources](#) > Graduate > [section 1.4: Graduate Admissions and Application Procedures](#). The minimum academic standard for admission is a cumulative grade point average (CGPA) of 3.0/4.0 in a recognized program. Alternatively, an equivalent grade point average of no less than 3.2/4.0 over the last two years of the program will be accepted.

Applicants to graduate studies whose mother tongue is not English, and who have **not** completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must write either:

- the **TOEFL** (Test of English as a Foreign Language; Applicants must achieve an overall minimum score of 94 on the internet-based test (iBT) with a minimum score of 20 for each component (i.e., Writing, Reading, Speaking, Listening); **or**
- the **IELTS** (International English Language Testing System); Applicants must achieve a minimum band score of 7 in order to apply.

Test results reach McGill approximately eight weeks after the test is taken; please note that it is the student's responsibility to make the necessary arrangements with the examining board to write the test in their country of residence. Full information and registration forms may be obtained by consulting the **TOEFL** or the **IELTS** websites.

Candidates must meet **both** of these requirements to be eligible to apply. Meeting minimum requirements does not guarantee admission.

The GRE is not required but is highly recommended.

6.12.4.3.2 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.

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

	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	Aug. 1	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.



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

6.12.4.4 Civil Engineering Faculty

Chair

Colin Rogers, *Acting Chair* (Mohamed A. Meguid, *on sabbatical*)

Associate Chair

Student Affairs: Jinxia Liu

Emeritus Professors

M. Saeed Mirza; Ghyslaine McClure; Denis Mitchell, Yixin Shao, Suresh C Shrivastava.

Professors

Vincent H. Chu; Luc E. Chouinard; Susan J. Gaskin; Subhasis Ghoshal; Mohamed A. Meguid (*on sabbatical*); Van-Thanh-Van Nguyen; James Nicell; Colin Rogers; A. Patrick S. Selvadurai; Laxmi Sushama.

Associate Professors

Andrew J. Boyd; Dominic Frigon; Sarah Jordaan; Jinxia Liu; Luis Miranda-Moreno.

Assistant Professor

Matiyas Bezabeh; Mary Kang; Stephanie Loeb; Daniele Malomo; Yi Shao; Lijun Sun; Yazhou (Tim) Xie.

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:

Data analysis:

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

Toxicology:

OCCH 612	(3)	Principles of Toxicology
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Water pollution engineering:

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:

MECH 534	(3)	Air Pollution Engineering
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Soil and water quality management:

BREE 533	(3)	Water Quality Management
CIVE 686	(4)	Site Remediation

Environmental impact:

GEOG 601	(3)	Advanced Environmental Systems Modelling
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Environmental policy

URBP 506	(3)	Environmental Policy and Planning
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Elective Courses

Also, 0-15 credits of graduate courses from an approved list of courses from the Faculties of Engineering, Agricultural and Environmental Sciences, Law, Management; Departments of Atmospheric and Oceanic Sciences, Biology, Chemistry, Earth and Planetary Sciences, Economics, Epidemiology and Biostatistics, Geography, Occupational Health, Political Science, School of Religious Studies, Sociology, and Bieler School of Environment.

6.12.4.7 Master of Engineering (M.Eng.) Civil Engineering (Non-Thesis) (45 credits)

The MEng Non-Thesis program aims to provide a more professional orientation to graduate students. The main features of this degree program are:

A minimum of 15 credits selected from a list of research oriented courses

A maximum of 30 credits with emphasis on expertise (specialty area) for professional practice.

Research Seminar (3 credits)

CIVE 664	(3)	MEng (Non-thesis) Research Seminar
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List A: Research Courses

(12-42) credits

A minimum of 12 credits from research courses, from one of the research streams: 1) Infrastructure, 2) Environmental/Hydraulics-Water Resources, and 3) Transportation.

Infrastructure Stream

CIVE 512	(3)	Advanced Civil Engineering Materials
CIVE 602	(4)	Finite Element Analysis
CIVE 603	(4)	Structural Dynamics
CIVE 609	(4)	Risk Engineering
CIVE 623	(4)	Durability of Construction Materials

Environmental/Hydraulics-Water Resources

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
CIVE 697	(7)	Research Project 7

Graduate courses from other McGill Engineering Departments are also allowed as complementary courses. A maximum of 1/3 of coursework credits can be taken outside McGill. Approval is required from the Department in both cases.

6.12.4.8 Doctor of Philosophy (Ph.D.) Civil Engineering

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

CIVE 701	(0)	Ph.D. Comprehensive Examination
CIVE 702	(0)	Ph.D. Research Proposal

Complementary Courses

6-8 credits at the 500 or 600 level taken from the Department of Civil Engineering.

6.12.5 Electrical and Computer Engineering

6.12.5.1 Location

Department of Electrical and Computer Engineering
McConnell Engineering Building, Room 633
3480 University Street
Montreal QC H3A 0E9
Canada
Telephone: 514-398-7344 or 514-398-1406
Email: grad.ece@mcgill.ca
Website: mcgill.ca/ece

6.12.5.2 About Electrical and Computer Engineering

The Department offers programs of graduate studies leading to a degree of **Master of Science** (thesis), **Master of Engineering** (project/non-thesis) or **Doctor of Philosophy**.

The research interests and facilities of the Department are very extensive, involving more than 50 faculty members and 350 postgraduate students. The major activities are divided into the following groups:

- Bioelectrical Engineering;
- Telecommunications and Signal Processing;
- Systems and Control;
- Integrated Circuits and Systems;
- Nano-Electronic Devices and Materials;
- Photonic Systems;
- Computational Electromagnetics;
- Power Engineering;
- Intelligent Systems;
- Software Engineering.

The Department is equipped with state-of-the-art experimental laboratories and there are numerous multidisciplinary research projects, so students are provided with an ideal environment to develop new technologies, discover novel phenomena, and design revolutionary devices.

Research Facilities

The Department has extensive laboratory facilities for all its main research areas. In addition, McGill University often collaborates with other institutions for teaching and research.

- The *Centre for Intelligent Machines* (CIM) is an interdisciplinary research group focused on intelligent systems. Its laboratories include research in the domains of robotics, systems and control, computer vision, medical imaging, computer graphics, and machine learning.
- Telecommunications laboratories focus their work on signal processing, broadband communications, and networking; these laboratories form part of the *Centre for Systems, Technologies and Applications for Radiofrequency and Communications* (STARaCOM), a McGill University Research Centre devoted to fostering innovation in the area of communications systems and technologies via advanced research and training of highly qualified personnel.
- The *Integrated Microsystems Laboratory* (iML) supports research in FPGAs, MEMS, micro- and nano-systems, VLSI architectures for digital communications and signal processing, mixed signal, RF, and microwave integrated circuits and components, simulation of integrated circuits and microsystems, integrated antennas, design for testability, reconfigurable computing, high-speed circuits, and packaging.
- Antenna and microwave research, and optical fibre and integrated optics research are carried out in a fully equipped facility.
- The *Photonics Systems* laboratory includes continuous wave and femtosecond Ti: Sapphire lasers, diode lasers, extensive optics and optomechanics, and sophisticated electronic and imaging equipment.
- Solid state facilities include measurement equipment for magnetic and electric properties of materials, vacuum deposition, and RF sputtering systems.
- The *Computational Electromagnetics Laboratory* provides tools for numerical analysis, visualization, interface design, and knowledge-based system development.
- There is also a well-equipped laboratory for power electronics and power systems research.

The Department has extensive computer facilities. Most research machines are networked, providing access to a vast array of hardware. In addition, McGill University is linked to the *Centre de recherche informatique de Montréal* (CRIM) and the University Computing Centre.

There are three other universities in Montreal: Concordia University is the other English-language university; *l'Université de Montréal*, and its affiliated school of engineering, *Polytechnique Montréal*, is the largest francophone university; *l'Université du Québec* has a campus in Montreal and in major towns throughout the province.

The proximity of these schools to McGill University ensures that a rich array of courses is available to suit individual needs. McGill also collaborates on research projects with many organizations such as *l'Institut de recherche d'Hydro-Québec* (IREQ) and *l'Institut national de la recherche scientifique* (INRS).

Financial Support

Graduate Assistantships: The Department awards several graduate assistantships to qualified full-time graduate students. These are normally funded from research grants or contracts awarded to individual faculty members. In return, the graduate assistant is expected to perform research-related tasks assigned by the professor from whose grant the assistantship is paid. A good part, but not necessarily all, of this work can be used for preparing a thesis. There is no special application form for graduate assistantships; all applicants who indicate a need for support on their application forms will be considered.

Teaching Assistantships: Graduate students, with the approval of their supervisors, may also undertake teaching assistantships for additional remuneration. These are awarded at the beginning of the term. The Department can make no prior commitments.

Graduate students can also receive financial aid through fellowships, loans, or bursaries. For more information, please refer to mcgill.ca/gps/funding, or contact:

Graduate and Postdoctoral Studies, McGill University
James Administration Building, Room 400
845 Sherbrooke Street West
Montreal QC H3A 0G4
Website: mcgill.ca/gps/contact/gps

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. A part-time program is possible.

section 6.12.5.7: Doctor of Philosophy (Ph.D.) Electrical Engineering

The Ph.D. degree recognizes a significant novel research contribution that is described in an externally examined thesis. Students who are admitted to this program normally have a master's degree. Research is conducted under the supervision of a faculty member. The Department provides an excellent environment for conducting research, with supervision by internationally renowned researchers and access to state-of-the-art experimental facilities. Graduates from the program most commonly pursue research and teaching careers in academia or research careers in industrial labs.

6.12.5.3 Electrical and Computer Engineering Admission Requirements and Application Procedures**6.12.5.3.1 Admission Requirements**

English Proficiency Requirement: Applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in English. Accepted English language tests and minimum test score requirements can be found on our [website](#). Official results must be received before the application deadlines.

GRE: Submission of *GRE* (General Aptitude Test) scores is not mandatory. Applicants who have written the GRE are welcome to submit their scores for consideration.

Master's Degree (Admission Requirements)

The applicant must be the graduate of a recognized university and hold a bachelor's degree or its equivalent, as determined by McGill, in Electrical, Computer, or Software Engineering or a closely related field. An applicant holding a degree in another field of engineering or science will be considered but a Qualifying year may be required to make up any deficiencies. The applicant must have a high academic achievement: a standing equivalent to a **cumulative grade point average (CGPA) of 3.0 out of 4.0, or a GPA of 3.2 out of 4.0 for the last two full-time academic years or equivalent**. Satisfaction of these general requirements does not guarantee admission. Admission to graduate studies is limited and acceptance is highly competitive.

Ph.D. Degree (Admission Requirements)

In addition to satisfying the requirements for the Master's program, candidates must hold a suitable master's degree from a recognized university. The applicant must have a high academic achievement: a standing equivalent to a cumulative grade point average (CGPA) of 3.0 out of 4.0. Satisfaction of these general requirements does not guarantee admission. Admission to graduate studies is limited and acceptance is highly competitive.

6.12.5.3.2 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.

The Department accepts most of its graduate students for September; the chance of acceptance for January is significantly lower.

6.12.5.3.2.1 Additional Requirements

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

- Area of Research and Applicant Profile Form – available at mcgill.ca/ece/admissions/graduate/apply
- *GRE* – the General Aptitude Test is optional.

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

	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
Summer Term:	N/A	N/A	N/A	N/A

All supporting documents must be uploaded to the online application system ([uApply](#)) by the application deadlines.

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

6.12.5.4 Electrical and Computer Engineering Faculty

Chair

Warren Gross

Associate Chair, Academic

Ioannis Psaromiligkos

Associate Chair, Undergraduate Programs

François Bouffard

Associate Chair, Graduate Programs

Odile Liboiron-Ladouceur

Associate Chair, Operations

Dennis Giannacopoulos

Emeritus Professors

Pierre R. Bélanger; Maier L. Blostein; Peter Kabal; Martin D. Levine; Boon-Teck Ooi; Tomas J.F. Pavlasek; Nicholas C. Rumin; Jonathan P. Webb.

Professors

Tal Arbel; Benoit Boulet; Peter E. Caines; Benoit Champagne; Lawrence Chen; James Clark; Mark Coates; Jeremy R. Cooperstock; Frank Ferrie; Warren Gross; Geza Joos; Andrew G. Kirk; Fabrice Labeau; Harry Leib; Tho Le-Ngoc; David A. Lowther; David V. Plant; Gordon Roberts; Martin Rochette; Thomas Szkopek; Dániel Varró; Zeljko Zilic.

Associate Professors

François Bouffard; Christophe Dubach; Mourad El-Gamal; Dennis Giannacopoulos; Roni Khazaka; Odile Liboiron-Ladouceur; Aditya Mahajan; Muthucumaru Maheswaran; Brett Meyer; Hannah Michalska; Gunter Mussbacher; Derek Nowrouzehzahr; Milica Popovich; Ioannis Psaromiligkos.

Assistant Professors

Narges Armanfard; Sharmistha Bhadra; Amin Emad; Hsiu-Chin Lin; AJung Moon; Boris Vaisband; Xiaozhe Wang; Songrui Zhao; Wei Lili.

Faculty Lecturer

Marwan Kanaan

Associate Members

Maxime Cohen; Matthew Adam Dobbs; Gregory L. Dudek; Alan C. Evans; William R. Funnell; David Juncker; Paul Kry; Samira A. Rahimi.

Adjunct Professors

Rhys Allan Adams; Donald Davis; Tiago H. Falk; Innocent Kamwa; Marthe Kassouf; Shane McIntosh; Zetian Mi; Frédéric Nabki; Douglas O'Shaughnessy; Michael Rabbat; Joseph J. Schlesinger; Di Wu; Qunbi Zhuge.

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. The program is oriented more towards professional development than the thesis option. The project is of significantly less scope than a thesis, and includes options such as a technical review, a design project, or a small-scale research project. Undertaking 27 course credits provides students with a very solid background in electrical and computer engineering, both in terms of breadth across the entire field and depth in the area of specialty. Graduates frequently pursue careers in research and development. A part-time program is possible.

Research Project (18 credits)

ECSE 651	(1)	M.Eng. Project 1
ECSE 652	(2)	M.Eng. Project 2
ECSE 653	(3)	M.Eng. Project 3
ECSE 654	(4)	M.Eng. Project 4
ECSE 655	(4)	M.Eng. Project 5
ECSE 656	(4)	M.Eng. Project 6

Students who choose the non-thesis option must register for the project courses during the three required terms of residency.

Complementary Courses (27 credits)

27 credits of 500-, 600-, or 700-level courses, of which no more than 9 credits may be outside the Department.

* Non-departmental courses require Departmental approval. Students may be allowed to take more than 9 credits of non-Departmental courses; a letter of recommendation from their supervisor outlining the reason for such an action is required.

6.12.5.7 Doctor of Philosophy (Ph.D.) Electrical Engineering**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

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 vehicles, compliant mechanisms, and kinematic geometry; tethered systems, lighter-than-air craft, and underwater vehicles; spacecraft dynamics and space robotics; modelling and simulation; fluid-structure interactions, nonlinear and chaotic dynamics; dynamics of bladed assemblies.

Materials and structures

Composite materials: structural design, analysis, manufacturing, and processing; micro/nano mechanics; MEMS/NEMS; adaptronic structures; thermomechanics, wave propagation, and computational mechanics.

Vibrations, acoustics, and fluid-structure

Vibrations, acoustics, and fluid-structure interaction.

Programs Offered

The Department offers programs of study leading to the M.Sc., and Ph.D. degrees in Mechanical Engineering. Both M.Sc. (Thesis) and M.Eng. (Non-Thesis) programs are offered.

There are several options for completing master's degrees that do not involve the completion of a thesis. The M.Eng. (Non-Thesis) program has more extensive course requirements and will appeal to students who desire to gain both a broad understanding of subjects within Mechanical Engineering as well as in-depth information in a specific area. Other non-thesis master's degree options are described below.

section 6.12.6.7: Master of Science (M.Sc.) Mechanical Engineering (Thesis) (45 credits)

M.Sc. is a research program requiring a minimum of 45 credits to be distributed as follows: 28 credits of thesis work, a set of one-semester courses with a combined weight of no less than 16 credits, and a one-credit seminar. The M.Sc. program is a full-time program.

section 6.12.6.5: Master of Engineering (M.Eng.) Mechanical Engineering (Non-Thesis) (45 credits)

Students in this program must complete required courses in addition to several complementary courses and a seminar course. They also complete a project that is less involved than a thesis, and may involve a limited research project or a technical or design study. Graduates of this program are well-prepared for carrying out research and development in industry and may also proceed to further research at the Ph.D. level.

section 6.12.6.6: Master of Engineering (M.Eng.) Aerospace Engineering (Non-Thesis) (45 credits)

The M.Eng. Aerospace degree is offered to students who wish to specialize in the general area of aerospace engineering. This degree is given in conjunction with Concordia University, *Polytechnique Montréal*, the *Université Laval*, the *Université de Sherbrooke*, and the *École de Technologie Supérieure*. Students registered at McGill are required to take two courses from two other institutions.

The aerospace industry is strongly established in Quebec. Representatives of the aerospace industry therefore requested that measures be taken to provide for qualified scientists in aerospace. Five universities offering courses in engineering came together to offer a master's degree program in the field of aeronautics and space technology. This program is offered to students who wish to specialize in these disciplines. The industry's participation is a special feature of this program. The universities and the participating industries, with the cooperation of the Centre of Aerospace Manpower Activities in Quebec (CAMAQ), have formed a Coordinating Committee, CIMGAS, to arrange for industrial internships and case study courses for the students and to implement specific program developments to meet the needs of the industry.

The M.Eng. (Aerospace) program requires both coursework and an "Industrial Stage" (i.e., engineering work in an aerospace industry) of four months. Enrolment is limited to the number of industrial stages available, so admission to the program is typically quite competitive. While intended to be a full-time program, the M.Eng. Aerospace program may be completed on a part-time basis over a maximum of five years. By the time of completion of the program, graduates are extremely well-prepared to enter into a career in the aerospace industry.

Depending on their background, students would specialize in one of the four areas:

1. Aeronautics and Space Engineering
2. Avionics and Control
3. Aerospace Materials and Structures
4. Virtual Environment

section 6.12.6.8: Doctor of Philosophy (Ph.D.) Mechanical Engineering

In the Ph.D. program, students are required to demonstrate a significant new contribution to their field of research, as documented in an externally reviewed thesis. The research is carried out under the supervision of professors who are leaders in their field. Since research in Mechanical Engineering is often interdisciplinary in nature, it is common for Ph.D. students to have a co-supervisor in addition to their principal supervisor. Graduates from this program typically proceed to careers in research in either industrial or academic environments.

6.12.6.3 Mechanical Engineering Admission Requirements and Application Procedures

6.12.6.3.1 Admission Requirements

The general rules of Graduate and Postdoctoral Studies apply. Candidates who come from other institutions are expected to have an academic background equivalent to the undergraduate curriculum in mechanical engineering at McGill or to make up any deficiencies in a Qualifying year.

Applicants to the M.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.

	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
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.

6.12.6.4 Mechanical Engineering Faculty

Chair
Rosaire Mongrain
Associate Chair (Curriculum Affairs)
Arun Misra
Associate Chair (Undergraduate Affairs)
Mathias Legrand
Associate Chair (Graduate Affairs)
TBD
Director, M.Eng. Aerospace Program
Tim Lee

Emeritus Professors

Abdul M. Ahmed; Jorge Angeles; Romuald Knystautas; John H.S. Lee; Dan F. Mateescu; Michael P. Paidoussis; Stuart J. Price.

Associate Professors (Post-Retirement)

Vince Thomson; Paul J. Zsombor-Murray.

Professors

Marco Amabili; Bantwal R. Baliga; Jeffrey M. Bergthorson; David L. Frost; Wagdi G. Habashi; Andrew J. Higgins; Pascal Hubert; Michael Kokkolaras; Jozsef Kovacs; Larry B. Lessard; Arun K. Misra; Luc Mongeau; Rosaire Mongrain; Meyer Nahon; Siva Nadarajah, Damiano Pasini; Inna Sharf.

Associate Professors

James R. Forbes; Tim Lee; Mathias Legrand; Laurent Mydlarski; Evgeny V. Timofeev; Yaoyao Fiona Zhao.

Assistant Professors

Changhong Cao; Mark Driscoll; Jianyu Li; Jovan Nedic; Audrey A. Sedal; Mélanie Tétreault-Friend.

Adjunct Professors

Helmi Attia; François Barthelat; Gilles Bourque; Mouhab Meshreki; Alireza Najafi-Yazdi.

Senior Academic Associate

Amar Sabih

6.12.6.5 Master of Engineering (M.Eng.) Mechanical Engineering (Non-Thesis) (45 credits)**Research Project (13 credits)**

MECH 603	(9)	M. Eng. Project 1
MECH 604	(3)	M. Eng. Project 2
MECH 609	(1)	Seminar

Note: Industrial liaison is encouraged in these courses taken near the end of the program.

Required Courses (16 credits)

MECH 605	(4)	Applied Mathematics 1
MECH 610	(4)	Fundamentals of Fluid Dynamics
MECH 632	(4)	Advanced Mechanics of Materials
MECH 642	(4)	Advanced Dynamics

Complementary Courses (16 credits)

A minimum of 16 credits (500, 600, or 700 level) from the Faculty of Engineering may be selected by the student, based on interest and the choice of area of concentration. Courses at the graduate level from other faculties may also be taken, with prior approval from the student's project supervisor and the Graduate Program Director. A maximum of 3 credits of FACC courses at the 500, 600, or 700 level may be credited toward the degree.

6.12.6.6 Master of Engineering (M.Eng.) Aerospace Engineering (Non-Thesis) (45 credits)

The M.Eng. Aerospace Degree is offered to the students who wish to specialize in the general area of aerospace engineering. This degree is given in conjunction with Concordia University, Polytechnique de Montréal, Université Laval, Université de Sherbrooke, and École de Technologie Supérieure. Students registered at McGill are required to take two courses from two other institutions.

Depending on their background, students would specialize in one of the three areas:

1. Aeronautics and Space Engineering
2. Avionics and Control
3. Aerospace Materials and Structures

Required Courses (9 credits)

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.

Direct Transfer from a Master's to a Ph.D. – Students enrolled in a master's program (thesis) may transfer into the Ph.D. program without obtaining a master's degree if they have:

1. an excellent academic standing for their undergraduate degree;
2. been in the master's program for less than 12 months;
3. passed with the minimum CGPA of 3.6 at least three of the required master's courses, and given one seminar with a minimum grade of A-;
4. made good progress with their research;
5. obtained a strong letter of recommendation from their supervisor.

Direct Entry from B.Eng. to Ph.D.

Exceptional B.Eng. and B.Sc. graduates may be admitted directly to the Ph.D. program. The Ph.D. 1 students admitted through this process are required to complete at least four graduate-level courses.

M.Eng. (Project) Degrees

section 6.12.7.7: Master of Engineering (M.Eng.) Materials Engineering (Non-Thesis) (45 credits)

Please consult the Department for more information about the M.Eng. Materials Engineering (Project) program.

section 6.12.7.8: Master of Engineering (M.Eng.) Materials Engineering (Non-Thesis): Environmental Engineering (45 credits)

Please consult the Department for more information about the M.Eng. Materials Engineering (Non-Thesis) program.

section 6.12.7.9: Master of Engineering (M.Eng.) Mining Engineering (Non-Thesis) (45 credits)

Please consult the Department for more information about the M.Eng. Mining Engineering (Project) program.

section 6.12.7.10: Master of Engineering (M.Eng.) Mining Engineering (Non-Thesis): Environmental Engineering (45 credits)

Please consult the Department for more information about the M.Eng. Mining Engineering (Non-Thesis) program.

section 6.12.7.11: Doctor of Philosophy (Ph.D.) Materials Engineering

Please consult the Department for more information about the Ph.D.

section 6.12.7.12: Doctor of Philosophy (Ph.D.) Mining Engineering

Please consult the Department for more information about the Ph.D.

section 6.12.7.13: Graduate Diploma (Gr. Dip.) Mining Engineering (30 credits)

This program normally requires one academic year of full-time study to complete. Candidates are required to take an integrated group of courses based on their academic background.

6.12.7.3 Mining and Materials Engineering Admission Requirements and Application Procedures

6.12.7.3.1 Admission Requirements

The **Graduate Diploma in Mining Engineering** is open to graduates with suitable academic standing in any branch of engineering or science. It is designed to provide a sound technical mining engineering background to candidates intending to work in the minerals industry.

The **M.Sc. (Thesis)** degree is open to graduates holding the B.Eng. degree or its equivalent in Materials Engineering, Mining Engineering or other related engineering fields.; or B.Sc. degree in Chemistry, Materials Science, Physics, Geology, or related fields.

The **Master of Engineering (Project) (Materials option)** is primarily designed to train people with appropriate engineering or scientific backgrounds to allow them to work effectively in the metals and materials industries. Industrial experience is favourably viewed for entrance into the program, but is not considered a necessity.

The **Master of Engineering (Project) (Mining option)** is primarily designed for graduates from mining engineering programs who have received adequate academic training in modern mining technology, mineral economics, computer programming, and probabilities and statistics. Students without this academic training must complete a Qualifying term. Industrial experience is favourably viewed for entrance into the program, but is not considered a necessity.

The Master of Engineering (Project) (Environmental Engineering option) is also offered.

Ph.D. degree applicants may either be “directly transferred” from the M.Eng. or M.Sc. program (see below) or hold an acceptable master's degree in Materials Engineering, Mining Engineering, or other related fields, or under exceptional circumstances may be admitted directly from the bachelor's degree. In the latter case they are admitted to Ph.D. 1 as opposed to those holding a master's degree, who are admitted to Ph.D. 2.

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, late and/or incomplete applications are considered only as time and space permit.

6.12.7.4 Mining and Materials Engineering Faculty**Department Chair**

Richard Chromik

Associate Chair, Materials Engineering

Jun Song

Associate Chair & Graduate Program Director

Mathieu Brochu

Graduate Program Coordinator

Barbara Hanley

Emeritus Professors

James A. Finch; John E. Gruzleski; John J. Jonas; Gordon W. Smith.

Professors

Marta Cerruti; Richard Chromik; George P. Demopoulos; Roussos Dimitrakopoulos; Raynald Gauvin; Roderick I.L. Guthrie; Faramarz (Ferri) P. Hassani; Hani S. Mitri; Mihriban Pegguleryuz; Stephen Yue.

Associate Professors

Kirk Bevan; Mathieu Brochu; Mainul Hasan; Mustafa Kumral; Showan Nazhat; Sidney Omelon; Nathaniel Quitoriano; Agus Pulung Sasmito; Jun Song; Kristian Waters.

Assistant Professor

Jinhyuk Lee; Alessandro Navarra; Philippe Ouzilleau.

Adjunct Professors

Behnam Ashrafi; Salim Brahim; Alexandros Charitos; Michel Gamache; Tassos Grammatikopoulos; Ahmad Hemami; Alice Jarry; Luis Javier Montiel Petro; Amina Lamghari; Jan Nettet; Jimi Sauw-Yoeng Tjong; Michel Trudeau; Priti Wanjara, Karim Zaghbi.

Senior Faculty Lecturer

Florence Paray

Faculty Lecturer – Mining

Shahe Shnorhokian

Co-op Program Liaison OfficersGenevieve 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 examination within their first year of Ph.D. study.

The candidate must submit an acceptable thesis based upon successfully completed research and must satisfy the examiners in an oral examination of the thesis.

Thesis

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

Required Courses (9 credits)

MIME 601 (0) Engineering Laboratory Practice
MIME 701 (0) Ph.D. Thesis Research Proposal
MIME 703 (0) Ph.D. Comprehensive Exam
MIME 710D1 (1.5) Ph.D. Foundation Course
MIME 710D2 (1.5) Ph.D. Foundation Course
MIME 771 (6) Research Seminar 2

Complementary Courses (6 credits)

6 credits of courses at the 500 level or higher, approved by their supervisor.

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 West
Montreal QC H3A 0C2
Canada
Telephone: 514-398-4075
Fax: 514-398-8376
Email: admissions.planning@mcgill.ca
Website: mcgill.ca/urbanplanning

6.12.8.2 About Urban Planning

Urban planning is the process by which a community shapes its environment to meet its needs and realize its aspirations. Urban planning is also the profession of those who facilitate this process. While the practice of planning is as old as the cities themselves, the Urban Planning profession is only about a century old. In the late 19th and early 20th centuries, architects, landscape architects, engineers, government reformers, lawyers, public health specialists, and others joined forces to tackle the serious social and environmental problems of the industrial city. They created new techniques and institutions to improve living conditions and decision-making processes, with an eye to improving cities in terms of health, safety, efficiency, equity, beauty, identity, etc. Today, people who enter the profession come from diverse backgrounds as well, including the design professions, engineering and applied sciences, environmental and social studies, and other fields. Their challenge is to reinvent tools and procedures to meet new challenges in making cities socially, economically and environmentally sustainable. A key feature of planning education is learning to view issues in a multidisciplinary way, to manage processes of collaboration and of conflict, and to generate equitable and efficient solutions to complex problems of urban development.

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* (CIP). Graduates may become full members of the OUQ and other provincial planning associations by completing their respective internship and examination requirements.

The M.U.P. program was designed with a strong emphasis on project-based learning, in particular through practical work done in teams in three planning studios. Approximately half of the curriculum is devoted to required courses that teach basic knowledge and skills in urban planning; the other half enables students to select courses or research projects that match their particular interests. Students participate actively in professors' research programs or define their individual research objectives, sometimes with their own research funding from major agencies (e.g., *SSHRC*, *NSERC*).

The core program provides a general education in spatial planning in its functional, environmental, and social dimensions. Formal specializations are available in **Transportation Planning** and **Urban Development & Urban Design**. Further information concerning these concentrations is available at mcgill.ca/urbanplanning/programs. In all cases, electives, the summer internship, and the Supervised Research Project allow for individual concentration on a particular topic.

Graduates of the M.U.P. program work as planners, designers, and policy analysts, as researchers, advocates, and mediators, and they do so at various levels of government, in civil-society organizations, and with private consulting firms. Although their area of expertise varies, they devote their efforts in increasing numbers to sustainable development in its environmental, social, and economic dimensions.

section 6.12.8.5: Master of Science (M.Sc.) Urban Planning, Policy and Design (Thesis) (45 credits)

The M.Sc. in Urban Planning, Policy and Design (Thesis) is centred on an independent research thesis. Original research on an urban issue of interest with implications for planning, policy or design will be conducted. The program focuses on critical skills in research, analysis and interpretation that are applicable in both academia and practice.

section 6.12.8.6: Master of Urban Planning (M.U.P.) Urban Planning (Non-Thesis) (60 credits)

The M.U.P. program requires two years of study, including a three-month summer internship in a professional setting. Upon completion of the program, graduates are expected to have acquired basic planning skills, a broad understanding of urban issues, and specialized knowledge in a field of their own choice.

section 6.12.8.7: Master of Urban Planning (M.U.P.) Urban Planning (Non-Thesis): Transportation Planning (60 credits)

The Transportation Planning concentration enables students to specialize in this field as part of their course of study for the M.U.P. degree. A number of core courses and electives, the summer internship, and the Supervised Research Project must be devoted to the acquisition of skills (including in quantitative analysis) necessary to work as a transportation planner. Admission into the concentration is based on a competitive selection process at the end of the first year of study in the M.U.P. program.

section 6.12.8.8: Master of Urban Planning (M.U.P.) Urban Planning (Non-Thesis): Urban Development and Urban Design (60 credits)

The Urban Development and Urban Design concentration produces graduates who are skilled in analysis and design for development in existing (sub)urban landscapes and urbanizing contexts, whether in North America or elsewhere. A series of courses on urban design, real estate, the politics of development, and urban governance enhance the core curriculum of the professionally-accredited M.U.P. program. Additional courses address innovative approaches to urban development, contemporary urban form, community-based design, globalization and development, and the adaptive redesign of suburban contexts, in addition to enduring topics such as housing, public space, cultural landscapes, and environmental planning. Students seeking to specialize in Urban Development and Urban Design apply at the end of their first year of study; admission into the concentration is based on performance in the first year of study and demonstration of spatial literacy, numeric competency, communication skills, and understanding of complex development processes.

section 6.12.8.9: Doctor of Philosophy (Ph.D.) Urban Planning, Policy and Design

The Ph.D. in Urban Planning, Policy and Design prepares students for advanced research and teaching on the processes that govern the management, development, and evolution of towns and cities. During the first two years, under their supervisor's and advisory committee's guidance, students follow courses, refine their research topic, and explore their area of expertise, leading up to comprehensive and proposal exams. They then proceed to write and submit a thesis based on their own original research.

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:
 - an outline of long-term career goals
 - an explanation of how you consider that a Ph.D. in UPPD would help you achieve those goals
 - a detailed discussion of research interests and intended research plans and approaches
- Three letters of recommendation, at least two of which must be from a current or past professor
- Proof of English proficiency. Minimum score the same as for the M.U.P. program
- Two examples of independent written work (e.g., course papers, articles, chapters, research reports) in English or in French. The two pieces must be uploaded together as a single document, which should not exceed 60 pages

Awards and Financial Assistance

The Admissions Committee decides the allocation of internal awards for incoming students after the application deadline, and they are allocated, in part, based on merit; no special application is needed to be considered for this funding. Canadian students can also enter the program with a major external fellowship from a government funding agency such as [SSHRC](#) or [NSERC](#). Descriptions of the external awards can be found at mcgill.ca/gps/funding.

6.12.8.3.2 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the School of Urban Planning and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program.

	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.

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

Madhav G. Badami.; Lisa Bornstein; Nik Luka; David Wachsmuth.

Assistant Professor

Anna Kramer

Adjunct Professors

Suzanne Doucet; Jayne Engle; Gorka Espiau; Nilson Espino; Murtaza Haider; Marc-André LeChasseur; Mario Polèse; Ray Tomalty.

Associate Members

Kevin Manaugh; Sarah Moser.

6.12.8.5 Master of Science (M.Sc.) Urban Planning, Policy and Design (Thesis) (45 credits)

The M.Sc. in Urban Planning, Policy and Design (Thesis) is centred on an independent research thesis. Original

research on an urban issue of interest with implications for planning, policy or design will be conducted. The program focuses on critical skills in research, analysis and interpretation that are applicable in both academia and practice.

Required Courses (27 credits)

URBP 606D1	(3)	Research Seminar
URBP 606D2	(3)	Research Seminar
URBP 612	(3)	History and Theory of Planning
URBP 690	(18)	Thesis Submission

Complementary Courses (12 credits)

3 credits selected from the following research methods courses:

URBP 505	(3)	Geographic Information Systems
URBP 608	(3)	Advanced GIS Applications
URBP 633	(3)	Research Methods for Planners
URBP 640	(1)	Introduction to Planning Statistics
URBP 641	(1)	Reading the Urban Landscape
URBP 642	(1)	Introduction to Planning Data
URBP 643	(1)	Introduction to Geographic Information Systems
URBP 644	(1)	Multivariate Statistics
URBP 645	(1)	Social Research Methods I

URBP 646	(1)	Social Research Methods 2
URBP 647	(1)	Selected Methods in Planning 1
URBP 648	(1)	Selected Methods in Planning 2

Note: Students may also take research methods courses at the 500 or 600 level in other academic units at McGill or another Montreal university, subject to the approval of the School.

9 credits selected from among the 500 or 600 level URBP courses offered by the School.

Elective Courses (6 credits)

6 credits offered at the 500 or 600 level by any academic units at McGill or at another Montreal university, with the approval of the School, if they are related to one or more subject areas in the field of planning.

Choices usually include courses in urban geography, sociology, anthropology, law, politics, and environmental science. Students must confirm with the Thesis Supervisor prior to registration that the selected course(s) can be counted toward the M.Sc. program.

6.12.8.6 Master of Urban Planning (M.U.P.) Urban Planning (Non-Thesis) (60 credits)

The M.U.P. requires two years of study and research including a three-month summer internship in a professional setting. Upon completion of the program, graduates are expected to have acquired basic planning skills, a broad understanding of urban issues, and specialized knowledge in a field of their own choice.

** Students interested in the Barbados Field Study semester option should contact the department on its availability **

Required Courses (42 credits)

URBP 609	(1)	Planning Graphics 1
URBP 610	(1)	Planning Graphics 2
URBP 611	(1)	Planning Graphics 3
URBP 612	(3)	History and Theory of Planning
URBP 622	(6)	Planning Studio 1
URBP 623	(6)	Planning Studio 2
URBP 624	(6)	Planning Studio 3
URBP 628	(0)	Practical Experience
URBP 630	(3)	Supervised Research Project 1
URBP 631	(3)	Supervised Research Project 2
URBP 632	(6)	Supervised Research Project 3
URBP 635	(3)	Planning Law
URBP 640	(1)	Introduction to Planning Statistics
URBP 641	(1)	Reading the Urban Landscape
URBP 642	(1)	Introduction to Planning Data

Complementary Courses (18 credits)

Students are encouraged to complete at least one course in each of the four areas of design, environment, housing, and transportation.

Group A

1-3 credits from the following:

URBP 505	(3)	Geographic Information Systems
URBP 643	(1)	Introduction to Geographic Information Systems

Group B

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
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 536	(2)	Current Issues in Transportation 1
URBP 537	(2)	Current Issues in Transportation 2
URBP 541	(1)	Selected Topics in Planning
URBP 542	(1)	Selected Topics in Visual Analysis
URBP 543	(3)	Special Topics
URBP 553	(3)	Urban Governance
URBP 555	(3)	Real Estate and Planning
URBP 556	(3)	Urban Economy: A Spatial Perspective
URBP 557	(3)	Rethinking Zoning
URBP 604	(3)	Urban Design Seminar
URBP 607	(3)	Reading Course: Urban Planning
URBP 608	(3)	Advanced GIS Applications
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 620	(4)	Transport Economics
URBP 625	(2)	Principles and Practice 2
URBP 626	(2)	Principles and Practice 3
URBP 629	(3)	Planning Theory and Practice in a Globalizing World
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
URBP 651	(3)	Redesigning Suburban Space
URBP 656	(3)	Urban Innovation and Creativity

Group C

0-8 credits from the following:

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 develop an in-depth knowledge of one or more subject areas in the field of planning, with the approval of the School. Choices usually include courses in real-estate analysis, urban geography, sociology, anthropology, law, politics, and environmental science. Students must confirm prior to registration that the selected course(s) can be counted toward the M.U.P. degree.

6.12.8.7 Master of Urban Planning (M.U.P.) Urban Planning (Non-Thesis): Transportation Planning (60 credits)

The Master of Urban Planning (M.U.P.) Urban Planning (Non-Thesis); Transportation Planning option enables students to specialize in this field as part of their course of study for the Master of Urban Planning degree (M.U.P.). Studio courses, an internship, and a final project involve real-life applications and research.

Required Courses (49 credits)

URBP 505	(3)	Geographic Information Systems
URBP 609	(1)	Planning Graphics 1
URBP 610	(1)	Planning Graphics 2
URBP 611	(1)	Planning Graphics 3
URBP 612	(3)	History and Theory of Planning
URBP 619	(4)	Land Use and Transport Planning
URBP 622	(6)	Planning Studio 1
URBP 623	(6)	Planning Studio 2
URBP 624	(6)	Planning Studio 3
URBP 628	(0)	Practical Experience
URBP 630	(3)	Supervised Research Project 1
URBP 631	(3)	Supervised Research Project 2
URBP 632	(6)	Supervised Research Project 3
URBP 635	(3)	Planning Law
URBP 640	(1)	Introduction to Planning Statistics
URBP 641	(1)	Reading the Urban Landscape
URBP 642	(1)	Introduction to Planning Data

Complementary Courses (11 credits)

Group A

5-11 credits from the following:

CIVE 540	(3)	Urban Transportation Planning
CIVE 561	(3)	Greenhouse Gas Emissions
CIVE 637	(4)	Discrete Choice Modeling in Transportation
CIVE 661	(4)	Modelling of Transportation Emissions
URBP 503	(3)	Public Transport: Planning and Operations
URBP 504	(3)	Planning for Active Transportation
URBP 506	(3)	Environmental Policy and Planning
URBP 536	(2)	Current Issues in Transportation 1
URBP 537	(2)	Current Issues in Transportation 2
URBP 608	(3)	Advanced GIS Applications
URBP 620	(4)	Transport Economics

Group B

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 geography, sociology, anthropology, law, politics, and environmental science. Students must confirm prior to registration that the selected course(s) can be counted toward the M.U.P. degree.

6.12.8.8 Master of Urban Planning (M.U.P.) Urban Planning (Non-Thesis): Urban Development and Urban Design (60 credits)

The concentration in Urban Development and Urban Design aims to produce graduates who are skilled in analysis and design for development in existing (sub)urban landscapes and urbanizing contexts, whether in North America or elsewhere. A series of courses on urban design, real estate, the politics of development, and urban governance enhance the core curriculum of the professionally-accredited M.U.P. program. Additional courses address innovative approaches to urban development, contemporary urban form, community-based design, globalization and development, and the adaptive redesign of suburban contexts, in addition to enduring topics such as housing, public space, cultural landscapes, and environmental planning. Students seeking to specialize in Urban Development and Urban Design apply at the end of their first year of study; admission into the concentration is based on performance in the first year of study and demonstration of spatial literacy, numeric competency, skills in graphic communication, and understanding of complex development processes.

Required Courses (45 credits)

URBP 553	(3)	Urban Governance
URBP 609	(1)	Planning Graphics 1
URBP 610	(1)	Planning Graphics 2
URBP 611	(1)	Planning Graphics 3
URBP 612	(3)	History and Theory of Planning
URBP 622	(6)	Planning Studio 1
URBP 623	(6)	Planning Studio 2
URBP 624	(6)	Planning Studio 3
URBP 628	(0)	Practical Experience
URBP 630	(3)	Supervised Research Project 1
URBP 631	(3)	Supervised Research Project 2
URBP 632	(6)	Supervised Research Project 3
URBP 635	(3)	Planning Law
URBP 640	(1)	Introduction to Planning Statistics
URBP 641	(1)	Reading the Urban Landscape
URBP 642	(1)	Introduction to Planning Data

Complementary Courses (15 credits)

A minimum of 9 credits are selected from Group B; the remaining credits can be selected from Group B or Group C as indicated below.

Group A (1 to 3 credits)

1-3 credits from the following:

URBP 505	(3)	Geographic Information Systems
URBP 643	(1)	Introduction to Geographic Information Systems

Group B (9 to 14 credits)

(9-14 credits)

At least 9 credits (three courses) from the following:

URBP 555	(3)	Real Estate and Planning
URBP 557	(3)	Rethinking Zoning
URBP 604	(3)	Urban Design Seminar
URBP 620	(4)	Transport Economics

URBP 629	(3)	Planning Theory and Practice in a Globalizing World
URBP 651	(3)	Redesigning Suburban Space
URBP 656	(3)	Urban Innovation and Creativity

Group 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.

6.12.8.9 Doctor of Philosophy (Ph.D.) Urban Planning, Policy and Design

The Doctor of Philosophy in Urban Planning, Policy and Design aims to prepare students for interdisciplinary research and teaching on the management of urban development as well as for leadership in the design and evaluation of urban policies and plans for cities in North America and the world. The program will focus on five identified areas of urban planning (land use planning and urban design; environmental planning; transportation planning; international development planning; real estate and economic development). Students are expected to spend the first two years of study taking courses, preparing for their comprehensive examination and writing their dissertation proposal. The remaining two (or more) years are spent conducting research and writing a thesis.

Required Courses (9 credits)

Every student must take courses worth at least 18 credits. Only one reading course can be included in this minimum requirement. The Advisory Committee may raise the requirement up to 24 credits (up to 36 credits for students entering as Ph.D. 1) in order to meet the specific needs of the student. With approval of their committee, students may elect to take a larger number of courses than is required, but in no case will the number of credits exceed thirty unless the student enters the program in Ph.D.1.

URBP 612	(3)	History and Theory of Planning
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URBP 701	(0)	Doctoral Comprehensive Examination
URBP 703	(3)	Doctoral Research Seminar 1
URBP 704	(3)	Doctoral Research Seminar 2
URBP 709	(0)	Doctoral Research Proposal

Complementary Courses (6 credits)

3 credits in advanced research methods at the 600 level or higher. It may be taken in any academic unit at McGill or another university, subject to the approval of the Graduate Program or School Director.

3 credits in advanced theory at the 600 level or higher. It may be taken at McGill or at another university and must be approved by the Graduate Program or School Director.

Elective Courses (3 credits)

Minimum 3 credits at the 500 level or higher, or more if the Advisory Committee so decides.

These credits may be taken in any academic unit at McGill or at another university, subject to the approval of the Advisory Committee.

The Advisory Committee may require that the number of electives be increased to improve the student's preparation in certain areas. Other courses, at the 500 level or higher, may be added with the approval of the Advisory Committee. In general, students will be asked to limit their elective coursework to 9 credits. In no case will they be allowed to take more than 15 credits in elective courses.

Up to two reading courses may be taken and only one may be included in the minimum 18 credits of course work. A reading course is taken when no appropriate course is available and is (at least) equivalent to a 3-credit course in terms of work load. Procedures for reading courses are outlined in the Reading Course guidelines.

7 Bieler School of Environment

7.1 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

7.2 Graduate and Postdoctoral Studies

7.2.1 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)

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. Privileges

i. Postdocs have the same pertinent rights as the ones granted to McGill students under mcgill.ca/students/srr, and those granted by the policies listed at mcgill.ca/secretariat/policies-and-regulations.

ii. Postdocs have full graduate student borrowing privileges in McGill libraries through their identity card.

iii. As a general rule, postdocs may take courses for credit as Special Students following the admissions procedures outlined at mcgill.ca/gradapplicants/apply/prepare/visiting. [Tuition and other charges](#) will apply.

iv. Postdocs may be listed in the McGill directory.

v. Access to sports facilities may be purchased on a monthly basis through McGill Athletics and Recreation.

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

7.8.3 Vacation Policy for Postdocs

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

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 Trainee. While at McGill, you can perform research only (you may not register for courses or engage in clinical practice). Medical specialists who will have clinical exposure and require a training card must register through Postgraduate Medical Education of the Faculty of Medicine and Health Sciences—not Graduate and Postdoctoral Studies.

The category of Postdoctoral Research Trainee is for:

Category 1: An individual who has completed requirements for the Doctoral degree or medical specialty, but whose degree/certification has not yet been awarded. An individual in this category will subsequently be eligible for registration as a Postdoctoral Fellow.

Category 2: An individual who is not eligible for Postdoctoral Registration according to the Government of Quebec's definition, but is a recipient of an external postdoctoral award from a recognized Canadian funding agency.

Category 3: An individual who holds a professional degree (or equivalent) in a regulated health profession (as defined under CIHR-eligible health profession) and is enrolled in a program of postgraduate medical education at another institution. This individual wishes to conduct the research stage or elective component of their program of study at McGill University under the supervision of a McGill professor. This individual will be engaged in full-time research with well-defined objectives, responsibilities, and methods of reporting. Applications must be accompanied by a letter of permission from the applicant's home institution (signed by the Department Chair, Dean, or equivalent) confirming registration in their program and stating the expected duration of the research stage. Individuals who are expecting to spend more than one year are encouraged to obtain formal training (master's or Ph.D.) through application to a relevant graduate program.

Category 4: An individual with a regulated health professional degree (as defined under CIHR-eligible health profession), but not a Ph.D. or equivalent or medical specialty training, but who fulfils criteria for funding on a tri-council operating grant or by a CIHR fellowship (up to maximum of five years post-degree).



Note: Individuals who are not Canadian citizens or permanent residents must inquire about eligibility for a work permit.

General Conditions

- The maximum duration is three years
- The individual must be engaged in full-time research
- The individual must provide copies of official transcripts/diplomas
- The individual must have the approval of a McGill professor to supervise the research and of the Unit
- The individual must have adequate proficiency in English, but is not required to provide official proof of English competency to Enrolment Services
- The individual must comply with regulations and procedures governing research ethics and safety and obtain the necessary training
- The individual will be provided access to McGill libraries, email, and required training in research ethics and safety. Any other University services must be purchased (e.g., access to athletic facilities)
- The individual must arrange for basic health insurance coverage prior to arrival at McGill and may be required to provide proof of coverage

7.9 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

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 > Atmospheric and Oceanic Sciences)

section 15.12.2: Biology

section 15.12.2.6: Master of Science (M.Sc.) Biology (Thesis): Environment (45 credits) ([Science](#) > Graduate > Browse Academic Units & Programs > Biology)

section 15.12.2.9: Doctor of Philosophy (Ph.D.) Biology: Environment ([Science](#) > Graduate > Browse Academic Units & Programs > Biology)

section 2.12.3: Bioresource Engineering

section 2.12.3.6: Master of Science (M.Sc.) Bioresource Engineering (Thesis): Environment (45 credits) ([Agricultural & Environmental Sciences](#) > Graduate > Browse Academic Units & Programs > Bioresource Engineering)

section 2.12.3.10: Master of Science, Applied (M.Sc.A.) Bioresource Engineering (Non-Thesis): Environmental Engineering (45 credits) ([Agricultural & Environmental Sciences](#) > Graduate > Browse Academic Units & Programs > Bioresource Engineering)

section 2.12.3.13: Doctor of Philosophy (Ph.D.) Bioresource Engineering: Environment ([Agricultural & Environmental Sciences](#) > Graduate > Browse Academic Units & Programs > Bioresource Engineering)

Entomology (under *section 2.12.7: Natural Resource Sciences*)

section 2.12.7.12: Doctor of Philosophy (Ph.D.) Entomology: Environment ([Agricultural & Environmental Sciences](#) > Graduate > Browse Academic Units & Programs > Natural Resource Sciences)

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 & Programs > Natural Resource Sciences)

7.12.1.3 Environment Admission Requirements and Application Procedures**7.12.1.3.1 Admission Requirements**

Candidates must apply **separately** to the Bieler School of Environment for the graduate Environment Option. Their admissibility will be based on their academic experience and performance, and the availability of a potential Bieler School-accredited supervisor or co-supervisor for their proposed research. For further information, please consult the following website: mcgill.ca/environment/envroption.

7.12.1.3.2 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.

7.12.1.3.2.1 Additional Requirements

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

- option application form
- signed option supervisory form (a supervisor or co-supervisor must be Bieler School-affiliated. Please visit the following website for listing: mcgill.ca/environment/envroption).

7.12.1.3.3 Application Dates and Deadlines

The application deadlines to the graduate Environment Option may vary depending on the department you are applying to. For more information, please contact the [Graduate Program Coordinator](#) in the department you are interested in.

7.12.1.4 Environment Faculty**Director**

Frédéric Fabry

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.

Assistant Professor

Fiona Soper

Faculty Lecturers

Julia Freeman, Kathryn Roulet.

Associate Members

Anthropology: John Galaty

Architecture, School of: Nik Luka

Atmospheric and Oceanic Sciences: Parisa Ariya

Biology: Lauren Chapman, Andrew Gonzalez, Catherine Potvin

Bioresource Engineering: Jan Adamowski, Grant Clark, Mark Lefsrud, Chandra Madramootoo

Chemical Engineering: Nathalie Tufenkji, Viviane Yargeau

Chemistry: Christopher Barrett

Civil Engineering: Susan Gaskin, Van-Thanh-Van Nguyen, Jim Nicell

Earth and Planetary Sciences: Nagissa Mahmoudi

Economics: Chris Green, Tom Naylor

Electrical and Computer Engineering: Geza Joos

Epidemiology, Biostatistics, and Occupational Health: Jonathan Chevrier, Mark Goldberg

Food Science and Agricultural Chemistry: Saji George

Geography: Graham MacDonald, Thom Meredith, Tim Moore, Wayne H. Pollard, Brian Robinson, Nigel Roulet

History and Classical Studies: Daviken Studnicki-Gizbert

Human Nutrition, School of: Niladri Basu

Integrated Studies in Education: Blane Harvey

Languages, Literatures, and Cultures: Stephanie Posthumus

Law, Faculty of: Richard Gold, Richard Janda, Sebastien Jodoin

Management, Desautels Faculty of: Dror Etzion

Natural Resource Sciences: Christopher Buddle, Benoît Côté, Brian Driscoll, Gordon Hickey, Cynthia Kallenbach, Ian Strachan, Paul Thomassin

Parasitology, Institute of: Marilyn Scott

Plant Science: Caroline Begg, Pierre Dutilleul, Jaswinder Singh, Don Smith

Redpath Museum: David M. Green

Urban Planning, School of: Nik Luka

Adjunct Professor

Katia Opalka

8 Interfaculty Studies

8.1 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

8.2 Graduate and Postdoctoral Studies

8.2.1 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)

8.2.2 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.

8.2.3 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.

8.3 Important Dates

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

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

- i. Postdoctoral status will be recognized by the University in accordance with Quebec provincial regulations as may be modified from time to time. The eligibility period for postdoctoral status is up to five years from the date when the Ph.D. or equivalent degree was awarded. A [section 1.2.8: leave of absence](#) for parental or health reasons may extend the eligibility period. Leaves for other reasons, including vacation, do not impact the eligibility period.

ii. Some McGill postdocs have dual status as both students and employees (unionized or non-unionized). Consult the [Graduate and Postdoctoral Studies website](#) for definitions of Postdoctoral Fellows, Postdoctoral Scholars and Postdoctoral Researchers.

iii. Postdocs must conduct research under the supervision of a McGill professor (including Adjunct Professors), qualified in the discipline in which training is being provided and with the ability to fulfil supervisory responsibilities and act as a mentor for career development. Postdocs are expected to engage primarily in research with minimal teaching or other responsibilities.

2. Registration

i. Postdocs must [register](#) annually with the University through Enrolment Services. Registration will be limited to postdocs who fulfil the definition above, and who meet the eligibility criteria as stipulated on the [Graduate and Postdoctoral Studies website](#).

ii. Upon registration, postdocs will be eligible for a University identity card issued by Enrolment Services.

iii. Leaves of absence must comply with the Graduate and Postdoctoral Studies Policies for Vacation, Parental/Familial, and Health Leave (see [section 2.8.3: Vacation Policy for Graduate Students and Postdocs](#) and [University Regulations & Resources](#) > Graduate > Regulations > Categories of Students > [section 1.2.8: Leave of Absence Status](#)).

3. Appointment, Funding, Letter of Agreement

i. Postdoctoral appointments may not exceed the registration eligibility period as defined above.

ii. In order to be registered, the postdoc must be assured of financial support other than from personal means during their stay at McGill University. This amount must be equivalent to the minimal stipend requirement set by the University in accordance with guidelines issued by federal and provincial research granting agencies or the collective agreement, as applicable. Funding during parental leave is subject to the conditions of the funding agency or the collective agreement, as applicable.

iii. Postdocs require a [Letter of Agreement for Postdoctoral Education](#) signed by the postdoc, the supervisor, and the department/unit head or delegate.

iv. Postdocs with full responsibility for teaching a course should be compensated over and above their postdoctoral funding as course lecturers. This applies to all postdocs, except those for whom teaching is part of the award.

v. The amount of research, teaching, or other tasks that postdocs engage in over and above postdoctoral activities should conform to the regulations for postdocs specified by the Canadian research council of their discipline or the collective agreement. This applies to all postdocs, including those whose funding does not come from the Canadian research councils.

4. Privileges

i. Postdocs have the same pertinent rights as the ones granted to McGill students under [mcgill.ca/students/srr](#), and those granted by the policies listed at [mcgill.ca/secretariat/policies-and-regulations](#).

ii. Postdocs 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.

8.8.3 Vacation Policy for Postdocs

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

8.8.4 Leave of Absence for Health and Parental/Familial Reasons

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

Such a leave must be requested on a term-by-term basis and may be granted for a period of up to 52 weeks. For a maternity or parental leave, the eligibility period of a maximum of 52 consecutive weeks is determined based on when the child is born; if the leave is interrupted for one or two terms, the eligibility period cannot be extended. Students and Postdocs must make a request for such a leave in writing to their department and submit a medical certificate. The department shall forward the request to Enrolment Services. See the procedure in [University Regulations & Resources > Graduate > section 1.2.8: Leave of Absence Status](#).

Students who have been granted such a leave will have to register for the term(s) in question and their registration will show as "leave of absence" on their record. No tuition fees will be charged for the duration of the authorized leave. Research supervisors are not obligated to remunerate students and Postdocs on leave. A summary table of various leave policies (paid or unpaid) for students and Postdocs paid from the Federal and Quebec Councils through fellowships or research grants is available at mcgill.ca/gps/funding/getting-paid under "Leave Policies and Form."

8.8.5 Postdoctoral Research Trainees

Eligibility

If your situation does not conform to the Government of Quebec's definition of a Postdoctoral Fellow, you may be eligible to attend McGill as a Postdoctoral Research Trainee. While at McGill, you can perform research only (you may not register for courses or engage in clinical practice). Medical specialists who will have clinical exposure and require a training card must register through Postgraduate Medical Education of the Faculty of Medicine and Health Sciences—not Graduate and Postdoctoral Studies.

The category of Postdoctoral Research Trainee is for:

Category 1: An individual who has completed requirements for the Doctoral degree or medical specialty, but whose degree/certification has not yet been awarded. An individual in this category will subsequently be eligible for registration as a Postdoctoral Fellow.

Category 2: An individual who is not eligible for Postdoctoral Registration according to the Government of Quebec's definition, but is a recipient of an external postdoctoral award from a recognized Canadian funding agency.

Category 3: An individual who holds a professional degree (or equivalent) in a regulated health profession (as defined under CIHR-eligible health profession) and is enrolled in a program of postgraduate medical education at another institution. This individual wishes to conduct the research stage or elective component of their program of study at McGill University under the supervision of a McGill professor. This individual will be engaged in full-time research with well-defined objectives, responsibilities, and methods of reporting. Applications must be accompanied by a letter of permission from the applicant's home institution (signed by the Department Chair, Dean, or equivalent) confirming registration in their program and stating the expected duration of the research stage. Individuals who are expecting to spend more than one year are encouraged to obtain formal training (master's or Ph.D.) through application to a relevant graduate program.

Category 4: An individual with a regulated health professional degree (as defined under CIHR-eligible health profession), but not a Ph.D. or equivalent or medical specialty training, but who fulfils criteria for funding on a tri-council operating grant or by a CIHR fellowship (up to maximum of five years post-degree).



Note: Individuals who are not Canadian citizens or permanent residents must inquire about eligibility for a work permit.

General Conditions

- The maximum duration is three years
- The individual must be engaged in full-time research
- The individual must provide copies of official transcripts/diplomas
- The individual must have the approval of a McGill professor to supervise the research and of the Unit
- The individual must have adequate proficiency in English, but is not required to provide official proof of English competency to Enrolment Services
- The individual must comply with regulations and procedures governing research ethics and safety and obtain the necessary training
- The individual will be provided access to McGill libraries, email, and required training in research ethics and safety. Any other University services must be purchased (e.g., access to athletic facilities)
- The individual must arrange for basic health insurance coverage prior to arrival at McGill and may be required to provide proof of coverage

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
- 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

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

section 8.12.1.5: Master of Engineering (M.Eng.) Biological and Biomedical Engineering (Thesis) (45 credits)

The Biological and Biomedical Engineering 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 and Health Sciences, Science, and Engineering, BBME offers thesis-based graduate degrees (M.Eng.) that span broad themes, including: biomodelling, biosignal processing, medical imaging, nanotechnology, artificial cells and organs, probiotics, bioinformatics, orthopedics, biological materials and mechanobiology, motor proteins and the cytoskeleton, biosensors and biological therapeutics, biological networks, and computational biology. BBME's internationally-renowned staff provide frequent and stimulating interactions with physicians, scientists, and the biomedical industry. Through courses and thesis research, this program will prepare students for careers in industry, academia, hospitals, and government and provide a solid basis for Ph.D. studies. Candidates should hold a Bachelor's degree in engineering, science, or medicine with a strong emphasis on mathematics, physics, chemistry, and basic biology (physiology, cell biology, or molecular biology).

For more information please consult mcgill.ca/bbme/prospective-students/masters-program.

section 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.

section 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.

section 8.12.1.8: Doctor of Philosophy (Ph.D.) Biological and Biomedical Engineering

The Biological and Biomedical Engineering doctoral program provides students with advanced training in the interdisciplinary application of methods, paradigms, technologies, and devices from engineering and the natural sciences to problems in biology, medicine, and the life sciences. The program will focus on an area of choice while integrating quantitative concepts and engineering tools for the study of natural and life sciences and/or for patient care. As part of the Ph.D. requirement, students will integrate the scientific method, develop critical and deep thinking, and acquire advanced writing and presentation skills that will form the foundation for their future career. Under the guidance of their supervisor, students will tackle a research challenge and make original contributions to the advancement of science and engineering in an area of Biological and Biomedical Engineering. Through independent research and thesis writing, the program will prepare students for careers in academia, industry, hospitals, and government. Students who complete the program will obtain a doctor of philosophy in Biological and Biomedical Engineering. The best preparation for this program is a master's degree in BBME or a related discipline.

For more information please consult mcgill.ca/bbme/prospective-students/doctoral-program.

8.12.1.3 Biological and Biomedical Engineering Admission Requirements and Application Procedures**8.12.1.3.1 Admission Requirements**

For up-to-date admission requirements, please consult mcgill.ca/bbme/prospective-students/how-apply and [University Regulations & Resources > Graduate > Graduate Admissions and Application Procedures > section 1.4.2: Admission Requirements \(Minimum Requirements to be Considered for Admission\)](#).

8.12.1.3.2 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.

Please address enquiries directly to info.bbme@mcgill.ca.

8.12.1.3.3 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 Biological and Biomedical Engineering Graduate Program and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program. For additional information, please consult mcgill.ca/bbme/prospective-students/how-apply.

	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

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 offers thesis-based graduate degrees (M.Eng.) that span broad themes in biomodelling, biosignal processing, medical imaging, nanotechnology, artificial cells and organs, probiotics, bioinformatics, bioengineering, biomaterials, and orthopaedics. BBME's internationally renowned staff provide frequent and stimulating interactions with physicians, scientists, and the biomedical industry. Through courses and thesis research, this program will prepare students for careers in industry, academia, hospitals and government and provide a solid basis for Ph.D. studies. Candidates should hold a bachelor's degree in engineering, science, or medicine with a strong emphasis on mathematics, physics, chemistry, and basic physiology or cell biology.

Thesis Courses (30 credits)

BBME 693	(6)	Thesis Research 1
BBME 694	(6)	Thesis Research 2
BBME 695	(12)	Thesis Submission
BBME 696	(3)	Thesis Research 3
BBME 697	(3)	Thesis Research 4

Required Courses (3 credits)

BBME 600D1	(1.5)	Seminars in Biological and Biomedical Engineering
BBME 600D2	(1.5)	Seminars in Biological and Biomedical Engineering

OR

BBME 600N1	(1.5)	Seminars in Biological and Biomedical Engineering
BBME 600N2	(1.5)	Seminars in Biological and Biomedical Engineering

Complementary Courses (12 credits)

3 credits from the following quantitative courses:

BIEN 510	(3)	Engineered Nanomaterials for Biomedical Applications
BIEN 530	(3)	Imaging and Bioanalytical Instrumentation
BIEN 550	(3)	Biomolecular Devices
BIEN 560	(3)	Design of Biosensors
BIEN 570	(3)	Active Mechanics in Biology

BIEN 590	(3)	Cell Culture Engineering
BMDE 502	(3)	BME Modelling and Identification
BMDE 503	(3)	Biomedical Instrumentation
BMDE 512	(3)	Finite-Element Modelling in Biomedical Engineering
BMDE 519	(3)	Biomedical Signals and Systems
BMDE 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
BMDE 503	(3)	Biomedical Instrumentation
BMDE 512	(3)	Finite-Element Modelling in Biomedical Engineering
BMDE 519	(3)	Biomedical Signals and Systems
BMDE 520	(3)	Machine Learning for Biomedical Data
BMDE 610	(3)	Functional Neuroimaging Fusion
BMDE 660	(3)	Advanced MR Imaging and Spectroscopy of the Brain
MDPH 607	(3)	Medical Imaging

Non-Quantitative Core Courses:

BIEN 535	(3)	Electron Microscopy and 3D Imaging for Biological Materials
BIEN 540	(3)	Information Storage and Processing in Biological Systems
BIEN 580	(3)	Synthetic Biology
BIEN 680	(4)	Bioprocessing of Vaccines
BMDE 501	(3)	Selected Topics in Biomedical Engineering
BMDE 504	(3)	Biomaterials and Bioperformance
BMDE 505	(3)	Cell and Tissue Engineering
BMDE 508	(3)	Introduction to Micro and Nano-Bioengineering
BMDE 510	(3)	Topics in Astrobiology
BMDE 525D1	(3)	Design of Assistive Technologies: Principles and Praxis
BMDE 525D2	(3)	Design of Assistive Technologies: Principles and Praxis
BMDE 650	(3)	Advanced Medical Imaging
BMDE 651	(3)	Orthopaedic Engineering

BMDE 654 (3) Biomedical Regulatory Affairs - Medical Devices

The remaining 12 credits of complementary courses must come from core or non-core complementary courses chosen from BBME courses or from other courses, a the 500 level or higher. At least 6 of the 12 credits must have both life sciences content and content from the physical sciences, engineering or computer science. The selection of courses must have the prior written approval of the Graduate Program Director.

8.12.1.7 Master of Engineering (M.Eng.) Biological and Biomedical Engineering (Non-Thesis) - Biomanufacturing (45 credits)

The M.Eng. in Biological and Biomedical Engineering; Non-Thesis - Biomanufacturing focuses on the life sciences, the physical sciences, and engineering, industrial practices and processes, and data science for application in the field of biomanufacturing. Hands-on experience available through projects carried out during internships in academic, industrial, and governmental laboratories.

Required Courses (21 credits)

BBME 600D1**	(1.5)	Seminars in Biological and Biomedical Engineering
BBME 600D2**	(1.5)	Seminars in Biological and Biomedical Engineering
BBME 600N1**	(1.5)	Seminars in Biological and Biomedical Engineering
BBME 600N2**	(1.5)	Seminars in Biological and Biomedical Engineering
BBME 681*	(9)	Internship 1
BBME 682*	(9)	Internship 2

* must take place in the 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
BIEN 680	(4)	Bioprocessing of Vaccines
BMDE 501	(3)	Selected Topics in Biomedical Engineering
BMDE 504	(3)	Biomaterials and Bioperformance
BMDE 505	(3)	Cell and Tissue Engineering
BMDE 508	(3)	Introduction to Micro and Nano-Bioengineering
BMDE 525D1	(3)	Design of Assistive Technologies: Principles and Praxis
BMDE 525D2	(3)	Design of Assistive Technologies: Principles and Praxis
BMDE 650	(3)	Advanced Medical Imaging
BMDE 654	(3)	Biomedical Regulatory Affairs - Medical Devices

Remaining complementary course credits must come from core or non-core complementary courses chosen from BBME courses or from other courses, at the 500 level or higher. The selection of courses must have the prior written approval of the Graduate Program Director.

8.12.1.8 Doctor of Philosophy (Ph.D.) Biological and Biomedical Engineering

The goal of the Biological and Biomedical Engineering Ph.D. program is for students to gain advanced training in the interdisciplinary application of methods, paradigms, technologies, and devices from engineering and the natural sciences to problems in biology, medicine, and the life sciences. The program will focus in an area of choice while integrating quantitative concepts and engineering tools for the study of life sciences and/or for patient care. As part of the Ph.D. requirement, the student will integrate the scientific method, develop critical and deep thinking, and acquire advanced writing and presentation skills that will form the foundation for his/her career. Under the guidance of his/her supervisor, the student will tackle a research challenge and make original contributions to the advancement of science and engineering in an area of Biological and Biomedical Engineering. The program will prepare students for careers in academia, industry, hospitals and government. Students who complete the program will obtain a Doctor of Philosophy in Biological and Biomedical Engineering. The best preparation for this program is a Master's degree in BBME or a related discipline.

Thesis**Thesis**

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

Required Course

BBME 701	(0)	Ph.D. Comprehensive Examination
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Students must be registered in this course at the time of the Thesis Proposal and Comprehensive Exam Meeting.

Further courses may be required by the supervisor(s) in consultation with the Graduate Program Director, depending on the educational background of individual students.

8.12.2 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 Ph.D. level afterwards.
3. Students are required to submit a written thesis proposal (18 months after the start of the program for M.Sc. students, and at least one month prior to the candidacy exam for Ph.D. students). This document must state the research question, present the hypothesis being tested, review the relevant literature, summarize the methodology used, and present the research data to date. This proposal will then be orally presented to the student's Advisory Committee members, who will review the written proposal and communicate their recommendations to the student.
4. Students will present a formal seminar on their research work prior to writing their thesis. This presentation will be attended by the student's Advisory Committee who will report their impressions and recommendations to the student.
5. Before final thesis submission, Ph.D. students must successfully complete an oral defence, which is a final, in-depth, formal presentation of their research.
6. An annual oral informal presentation of research work accomplished will be presented to the student's Advisory Committee.
7. The Graduate Program Committee has instituted a mentorship program by which each student will be matched with a specific member of the Committee. The Program Mentor ensures that the student, the supervisor(s), and other members of the Advisory Committee are aware of and meet key milestones, in a timely manner, throughout the course of the student's graduate study.
8. All incoming students are required to take the workshops on Responsible Conduct of Research. These will be included as part of the milestones for annual progress reports.

section 8.12.2.5: Master of Science (M.Sc.) Neuroscience (Thesis) (45 credits)

The M.Sc. program offers opportunities to a great diversity of individual interests and backgrounds, and prepares our students for scientific careers in neuroscience and related fields. Programs leading to an M.Sc. degree require the completion of intensive academic and research training.

section 8.12.2.6: Doctor of Philosophy (Ph.D.) Neuroscience

The IPN offers a highly competitive Ph.D. program that prepares students for successful scientific careers in the field of neuroscience. Over half of the students registered in the neuroscience graduate program at McGill University are in the doctoral stream.

8.12.2.3 Neuroscience (Integrated Program) Admission Requirements and Application Procedures

8.12.2.3.1 Admission Requirements

General

Applicants must hold a bachelor's degree, or its equivalent, from a recognized institution in a field related to the subject selected for graduate work, and must display an adequate background in basic sciences.

The applicant must present evidence of high academic achievement. A standing equivalent to a cumulative grade point average (CGPA) of 3.0 out of a possible 4.0 is required by Graduate and Postdoctoral Studies; however, the Integrated Program in Neuroscience (IPN) seeks applicants with a higher academic standing, and thus, requires a minimum CGPA of 3.3

Applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit results of a *TOEFL* or *IELTS* exam with their application. Consult the Integrated Program in Neuroscience's [website](#) for details.

M.Sc. Degree

Bachelor's degree with adequate background in basic sciences, or an M.D.

Ph.D. Degree

Applicants must hold a graduate-level degree in a field related to neuroscience or have an M.D. degree, preferably with postgraduate training. Applicants will also be considered for admission if enrolled in the Doctor of Medicine & Master of Surgery with Ph.D. (Joint M.D.,C.M. & Ph.D.) program through the Faculty of Medicine and Health Sciences at McGill University.

Students currently registered in the Master's in Neuroscience may be permitted to transfer to the Ph.D. program without submitting a master's thesis. Applicants are expected to have attained a high scholastic standing equal to, or greater than, the minimum cumulative grade point average of 3.5 out of 4.0 in all levels of study. In exceptional circumstances, a student **may** enter the Ph.D. program directly from their undergraduate degree if a CGPA of 3.7 is attained and if the student already presents extensive research experience.

To meet incoming students' diversity of individual interests and backgrounds, a graduate program is designed for each student at the time of entry. As part of the admission process, each applicant will identify, with the participation of the prospective thesis supervisor and the Graduate Studies Committee, a research thesis topic and the coursework required to complete the training deemed necessary for the degree. These decisions become an integral part of the graduation requirements for the student.

8.12.2.3.2 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.

8.12.2.3.2.1 Additional Requirements

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

- Curriculum Vitae
- Personal Statement
- Letters of Recommendation (2)

Consult the Integrated Program in Neuroscience's [website](#) for further details

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

	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. 30	June 1	June 1
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.

8.12.2.4 Neuroscience (Integrated Program) Faculty

Director

R. Farivar-Mohseni

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. Bretnier; 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. Haeger; 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; A. Prito; N. Rajah; Y. Rao; A. Ribeiro-da-Silva; G. Rouleau; E. Ruthazer; A. Sadikot; H.U. Saragovi; H. Schipper; G. Sebire; P. Seguela; M. Shevell; E. Shoubridge; T. Shultz; N. Sonenberg; W. Sossin; L. Srivastava; K. Steinhauer; S. Stifani; M. Sullivan; A. Thiel; G. Turecki; D. Van Meyel; C.-D. Walker; S. Williams; C. Wolfson; R.J. Zatorre.

Associate Professors

cP. Archambault; J. Armony; S. Beaulieu; B. Bedell; G. Bernard; A. Bertone; M. Blanchette; D. Bzdok; M. Cayouette; F. Charron; B. Chen; J.-F. Cloutier; E. Cook; A. Dagher; B. Debrulle; C. Ernst; B. Frauscher; G. Gobbi; R. Gruber; P. Haghghi; M. Kaminska; A. Kania; D. Klein; M. Kokoeva; N. Ladbon-Bernasconi; A. Lamontagne; N. Mechawar; J. Mendola; G. Mitsis; A. Nadig; M. Oskoui; H. Paudel; A. Peterson; K. Petrecca; J. B. Poline; R. Postuma; D. Ragsdale; A. Raz; A. Reader; J. Renaud; J. Rochford; P. Rosa-Neto; J.T. Sakata; A. Shmuel; P.J. Sjoström; N. Spreng; D. Stellwagen; L. Stone; K.-F. Storch; A. Velly; M. Vollrath; A. Watt; P. Wintermark; T.P. Wong; S.C. Woolley; L. Xiong; J. Zhang.

Assistant Professors

G. Armstrong; N. Auclair Oullet; R. Bagot; M. Berlim; B. Bernhardt; S. Blain-Moraes; M.-H. Boudrias; M. Brandon; J.P. Britt; M. Brossard-Racine; X. Chai; M. Chakravarty; E. de Villers-Sidani; R. Diaz; S. Ducharme; T. Durcan; M. Elsabbagh; R. Farivar; C. Ferland-Legault; Z. Gan-Or; L. Garzia; B. Gentile; L. Healy; A. Hendricks; W.-H. Huang; P. Huot; Y. Iturria-Medina; A. Jahani-Asl; S. Karama; J. Karamchandani; A. Khadra; A. Khoutorsky; E. Kobayashi; L. Koski; A. Kostikov; A. Krishnaswamy; G. Leonard; J. Marcoux; M. O. Martel; A. Milnerwood; B. Mistic; L. Münter; S. Narayanan; J. Near; T. Nguyen; T. Ohyama; C. Paquette; P. Pelufo Silveira; A. Peyrache; M. Prager-Khoutorsky; M. Roig; M. Roy; D. Rudko; J. Shah; R. Sharif; M. Sharp; D. Sinclair; M. Srouf; J. A. Stratton; T. Stroh; A. Suvrathan; V. Sziklas; H. Takahashi; C. Tardif; S. Trenholm; J. Van Raamsdonk; S. Villeneuve; T.Y. Zhang; Y. Zhou.

Lecturer

TBA

Adjunct Professors

E. Racine; S. Harnad; M. Jones-Gotman; O. Overbury.

8.12.2.5 Master of Science (M.Sc.) Neuroscience (Thesis) (45 credits)**Required Courses (36 credits)**

NEUR 696	(6)	Master's Thesis Research
NEUR 697	(9)	Master's Thesis Proposal
NEUR 698	(9)	Master's Seminar Presentation
NEUR 699	(12)	Master's Thesis Submission
NEUR 705	(0)	Responsible Research Conduct

Complementary Courses (9 credits)

3 credits from the following:

NEUR 630	(3)	Principles of Neuroscience 1
NEUR 631	(3)	Principles of Neuroscience 2

And 6 credits in other courses at the 500 level or higher that are relevant to the program.

Upon recommendation, depending upon their particular background and needs, students may be requested to take additional selected courses at the 500 level or higher.

Note: All M.Sc.-level students must register for a minimum of 12 credits per term during the first three terms of their master's program.

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 knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

Required Courses (6 credits)

NEUR 630	(3)	Principles of Neuroscience 1
NEUR 631	(3)	Principles of Neuroscience 2
NEUR 700	(0)	Doctoral Candidacy Examination
NEUR 705	(0)	Responsible Research Conduct

Complementary Courses (6 credits)

6 credits at the 500, 600, or 700 level, approved by the graduate program adviser.

8.12.3 Quantitative Life Sciences

8.12.3.1 Location

Telephone: 514-398-4826

Email: coordinator.qls@mcgill.ca

Website: mcgill.ca/qls

8.12.3.2 About Quantitative Life Sciences

Quantitative Life Sciences is the broad application of mathematical, computational, and other quantitative methods to study biological systems at all scales—from single molecules to the environment. It is part of a rapidly expanding field that includes such specializations as systems biology, bioinformatics, biophysics, medical informatics, computational biology, computational pharmacology, computational neuroscience, and mathematical biology.

section 8.12.3.5: Doctor of Philosophy (Ph.D.) Quantitative Life Sciences

Please refer to the [QLS website](#) for further details.

8.12.3.3 Quantitative Life Sciences Admission Requirements and Application Procedures

8.12.3.3.1 Admission Requirements

General

Applicants are expected to hold an undergraduate degree in one of the following areas (or equivalent): biology, chemistry, physiology, genetics, engineering, computer science, mathematics, statistics, physics, or chemistry.

Applicants must have a strong quantitative background. Such a background may be obtained by having at least the equivalent of a minor in computer science, mathematics, statistics, physics, chemistry, or engineering.

Applicants who do not have a formal education in life sciences need to have a demonstrated interest for that field, for example in the form of an undergraduate research project or the completion of life-science courses.

Applicants are expected to have attained a high scholastic standing equal to, or greater than, the minimum Cumulative Grade Point Average of 3.3 (out of 4.0 at McGill University) in **all** levels of study.

Applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit results of the *TOEFL* exam with their application and have a minimum score of 86 on the Internet-based test (iBT) with each component score not less than 20. Further information on English proficiency requirements is available at mcgill.ca/gradapplicants/international/proficiency.

8.12.3.3.2 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.

8.12.3.3.1 Additional Requirements

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

- Curriculum Vitae
- Personal Statement
- Research Statement
- Two reference letters
- Copy of official transcripts

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

	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.

8.12.3.4 Quantitative Life Sciences Faculty

Director

C. Greenwood

Professors

Anesthesia, Dental Medicine and Oral Health Sciences: L. Diatchenko

Biochemistry: K. Gehring

Bioengineering: Y. Xia

Biology: G. Fussman, F. Guichard, D. Schoen

Biomedical Engineering: D. Juncker

Chemistry: P. Wiseman

Computer Science: K. Siddiqi

Epidemiology, Biostatistics and Occupational Health: C. Greenwood

Human Genetics: M. Lathrop

Mathematics and Statistics: D. Stephens

Neurology and Neurosurgery: S. Baillet, A. Evans, L. Levin, K. Murai, E. Ruthazer

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

Biology: G. Brouhard, P. Harrison, B. Leung, B. Richards, J. Vogel

Biomedical Engineering: D. Bzdok

Chemistry: N. Moitessier

Computer Science: M. Blanchette, J. Pineau, J. Waldispühl

Dental Medicine and Oral Health Sciences: S. Komarova

Epidemiology, Biostatistics and Occupational Health: A. Benedetti, E. Moodie, A. Schmidt

Experimental Medicine: R. Sladek

Human Genetics: G. Bourque, K. Dewar, J. Majewski, R. Nadon, T. Pastinen, R. Sladek

Mathematics and Statistics: L. Addario-Berry, T. Humphries

Medicine: A. Benedetti

Microbiology and Immunology: J. Shapiro

Neurology and Neurosurgery: C. Pack, J.B. Poline

Physics: P. Francois

Physiology: C. Brown, G. Bub, M. Chacron, M. Chacron, T. Humphries, A. Khadra, S. Krishna, U. Stochaj

Assistant Professors

Anatomy and Cell Biology: M. Strauss, J. Vargas

Anesthesia: A. Grant

Animal Science: J. Xia

Biochemistry: U.D. Akavia, M. Vera Ugalde, I. Watson

Bioengineering: N. Reznikov

Biology: A. Hayer, T. Ohyama, L. Pollock, R. Reyes, S. Weber

Biomedical Engineering: N. Li-Jessen

Computer Science: Y. Li

Diagnostic Radiology: S. Bhatnagar

Electrical and Computer Engineering: A. Emad

Epidemiology, Biostatistics and Occupational Health: S. Bhatnagar, P. Saha Chaudhuri

Human Genetics: S. Gravel, C. Kleinman, H. Najafadabi

Institute of Parasitology: J. Xia

Mathematics and Statistics: Y. Yang

Medicine: J. Ding, G. Fonseca

Neurology and Neurosurgery: Y. Iturria Medina, B. Mistic

Ophthalmology & Visual Sciences: A. Baldwin, R. Farivar, A. Reynaud

Otolaryngology: N. Li-Jessen

Physics: S. Leslie

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 close collaboration with the academic and administrative units, and the graduate and postdoctoral community.

9.3 Important Dates

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

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

9.6 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.

9.7 Fellowships, Awards, and Assistantships

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

9.8 Postdoctoral Research

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

9.8.1 Postdocs

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

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

9.8.2 Guidelines and Policy for Academic Units on Postdoctoral Education

Every unit hosting postdocs should apply institutional policies and procedures for the provision of postdoctoral education and have established means for informing postdocs of policies, procedures, and privileges (available at mcgill.ca/gps/postdocs), as well as mechanisms for addressing complaints. For their part, postdocs are responsible for informing themselves of such policies, procedures, and privileges.

1. Definition and Status

- i. Postdoctoral status will be recognized by the University in accordance with Quebec provincial regulations as may be modified from time to time. The eligibility period for postdoctoral status is up to five years from the date when the Ph.D. or equivalent degree was awarded. A [section 1.2.8: leave of absence](#) for parental or health reasons may extend the eligibility period. Leaves for other reasons, including vacation, do not impact the eligibility period.

ii. Some McGill postdocs have dual status as both students and employees (unionized or non-unionized). Consult the [Graduate and Postdoctoral Studies website](#) for definitions of Postdoctoral Fellows, Postdoctoral Scholars and Postdoctoral Researchers.

iii. Postdocs must conduct research under the supervision of a McGill professor (including Adjunct Professors), qualified in the discipline in which training is being provided and with the ability to fulfil supervisory responsibilities and act as a mentor for career development. Postdocs are expected to engage primarily in research with minimal teaching or other responsibilities.

2. Registration

i. Postdocs must [register](#) annually with the University through Enrolment Services. Registration will be limited to postdocs who fulfil the definition above, and who meet the eligibility criteria as stipulated on the [Graduate and Postdoctoral Studies website](#).

ii. Upon registration, postdocs will be eligible for a University identity card issued by Enrolment Services.

iii. Leaves of absence must comply with the Graduate and Postdoctoral Studies Policies for Vacation, Parental/Familial, and Health Leave (see [section 2.8.3: Vacation Policy for Graduate Students and Postdocs](#) and [University Regulations & Resources](#) > Graduate > Regulations > Categories of Students > [section 1.2.8: Leave of Absence Status](#)).

3. Appointment, Funding, Letter of Agreement

i. Postdoctoral appointments may not exceed the registration eligibility period as defined above.

ii. In order to be registered, the postdoc must be assured of financial support other than from personal means during their stay at McGill University. This amount must be equivalent to the minimal stipend requirement set by the University in accordance with guidelines issued by federal and provincial research granting agencies or the collective agreement, as applicable. Funding during parental leave is subject to the conditions of the funding agency or the collective agreement, as applicable.

iii. Postdocs require a [Letter of Agreement for Postdoctoral Education](#) signed by the postdoc, the supervisor, and the department/unit head or delegate.

iv. Postdocs with full responsibility for teaching a course should be compensated over and above their postdoctoral funding as course lecturers. This applies to all postdocs, except those for whom teaching is part of the award.

v. The amount of research, teaching, or other tasks that postdocs engage in over and above postdoctoral activities should conform to the regulations for postdocs specified by the Canadian research council of their discipline or the collective agreement. This applies to all postdocs, including those whose funding does not come from the Canadian research councils.

4. Privileges

i. Postdocs have the same pertinent rights as the ones granted to McGill students under [mcgill.ca/students/srr](#), and those granted by the policies listed at [mcgill.ca/secretariat/policies-and-regulations](#).

ii. Postdocs have full graduate student borrowing privileges in McGill libraries through their identity card.

iii. As a general rule, postdocs may take courses for credit as Special Students following the admissions procedures outlined at [mcgill.ca/gradapplicants/apply/prepare/visiting](#). [Tuition and other charges](#) will apply.

iv. Postdocs may be listed in the McGill directory.

v. Access to sports facilities may be purchased on a monthly basis through McGill Athletics and Recreation.

vi. Postdoctoral Fellows and Scholars are mandatory members of the Post-Graduate Students' Society (PGSS) and an annual association fee is automatically charged.

vii. Postdocs are permitted membership in the Faculty Club; an annual fee will be charged for this membership.

viii. Postdocs are encouraged to participate in Professional Development Workshops provided by Graduate and Postdoctoral Studies, and Teaching and Learning services. These sessions are usually free of charge.

ix. Postdocs have 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.

9.8.3 Vacation Policy for Postdocs

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

9.8.4 Leave of Absence for Health and Parental/Familial Reasons

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

Such a leave must be requested on a term-by-term basis and may be granted for a period of up to 52 weeks. For a maternity or parental leave, the eligibility period of a maximum of 52 consecutive weeks is determined based on when the child is born; if the leave is interrupted for one or two terms, the eligibility period cannot be extended. Students and Postdocs must make a request for such a leave in writing to their department and submit a medical certificate. The department shall forward the request to Enrolment Services. See the procedure in [University Regulations & Resources > Graduate > section 1.2.8: Leave of Absence Status](#).

Students who have been granted such a leave will have to register for the term(s) in question and their registration will show as "leave of absence" on their record. No tuition fees will be charged for the duration of the authorized leave. Research supervisors are not obligated to remunerate students and Postdocs on leave. A summary table of various leave policies (paid or unpaid) for students and Postdocs paid from the Federal and Quebec Councils through fellowships or research grants is available at mcgill.ca/gps/funding/getting-paid under "Leave Policies and Form."

9.8.5 Postdoctoral Research Trainees

Eligibility

If your situation does not conform to the Government of Quebec's definition of a Postdoctoral Fellow, you may be eligible to attend McGill as a Postdoctoral Research Trainee. While at McGill, you can perform research only (you may not register for courses or engage in clinical practice). Medical specialists who will have clinical exposure and require a training card must register through Postgraduate Medical Education of the Faculty of Medicine and Health Sciences—not Graduate and Postdoctoral Studies.

The category of Postdoctoral Research Trainee is for:

Category 1: An individual who has completed requirements for the Doctoral degree or medical specialty, but whose degree/certification has not yet been awarded. An individual in this category will subsequently be eligible for registration as a Postdoctoral Fellow.

Category 2: An individual who is not eligible for Postdoctoral Registration according to the Government of Quebec's definition, but is a recipient of an external postdoctoral award from a recognized Canadian funding agency.

Category 3: An individual who holds a professional degree (or equivalent) in a regulated health profession (as defined under CIHR-eligible health profession) and is enrolled in a program of postgraduate medical education at another institution. This individual wishes to conduct the research stage or elective component of their program of study at McGill University under the supervision of a McGill professor. This individual will be engaged in full-time research with well-defined objectives, responsibilities, and methods of reporting. Applications must be accompanied by a letter of permission from the applicant's home institution (signed by the Department Chair, Dean, or equivalent) confirming registration in their program and stating the expected duration of the research stage. Individuals who are expecting to spend more than one year are encouraged to obtain formal training (master's or Ph.D.) through application to a relevant graduate program.

Category 4: An individual with a regulated health professional degree (as defined under CIHR-eligible health profession), but not a Ph.D. or equivalent or medical specialty training, but who fulfils criteria for funding on a tri-council operating grant or by a CIHR fellowship (up to maximum of five years post-degree).



Note: Individuals who are not Canadian citizens or permanent residents must inquire about eligibility for a work permit.

General Conditions

- The maximum duration is three years
- The individual must be engaged in full-time research
- The individual must provide copies of official transcripts/diplomas
- The individual must have the approval of a McGill professor to supervise the research and of the Unit
- The individual must have adequate proficiency in English, but is not required to provide official proof of English competency to Enrolment Services
- The individual must comply with regulations and procedures governing research ethics and safety and obtain the necessary training
- The individual will be provided access to McGill libraries, email, and required training in research ethics and safety. Any other University services must be purchased (e.g., access to athletic facilities)
- The individual must arrange for basic health insurance coverage prior to arrival at McGill and may be required to provide proof of coverage

9.9 Graduate Studies Guidelines and Policies

Refer to [University Regulations & Resources](#) > [Graduate](#) > [section 1.2: Guidelines and Policies](#) for information on the following:

- Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision
- Policy on Graduate Student Research Progress Tracking
- Ph.D. Comprehensives Policy
- Graduate Studies Reread Policy
- Failure Policy
- Guideline on Hours of Work

9.10 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

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](#) 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

9.12 Browse Academic Units & Programs

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

9.12.1 Law

9.12.1.1 Location

Faculty of Law
 Graduate Programs in Law
 New Chancellor Day Hall
 3644 Peel Street, Room 406
 Montreal QC H3A 1W9
 Canada
 Telephone: 514-398-6635
 Email: grad.law@mcgill.ca
 Website: mcgill.ca/law/grad-studies

Associate Dean (Graduate Studies) – Darren Rosenblum

9.12.1.2 About Law

Graduate students in Law at McGill have one thing in common: a sharp curiosity to explore ideas and projects in an environment that is uniquely comparative and pluralist.

The extensive and impressive history of graduate teaching and supervision at McGill, combined with the innovations in legal pedagogy for which the Faculty of Law is celebrated, create an unrivaled experience for graduate students. Grounded in Montreal, a city that embodies a lively mix of languages, cultures, and communities, the Faculty of Law invites students pursuing their D.C.L. and LL.M. degrees to discover and write within a community of legal scholars that is internationally renowned and engaging.

McGill's Faculty of Law is a meeting place for the languages of North America, for the world's legal traditions, and for students who wish to participate in the graduate life of a truly outstanding, prestigious, and intellectually vibrant Faculty of Law.

The Faculty of Law offers a range of programs at the graduate level. These include the degrees of **Master of Laws (LL.M.)** with thesis and non-thesis options, **Doctor of Civil Law (D.C.L.)**, and **Graduate Certificates**.

Students may choose to pursue either the LL.M. in general Law, Air and Space Law, Bioethics, Comparative Law, or Environment; or the D.C.L. in general Law, Comparative Law, or Air and Space Law. Graduate Certificates may only be completed in Comparative Law or in Air and Space Law.

Master of Laws (LL.M.) Degrees

[section 9.12.1.5: Master of Laws \(LL.M.\) Law \(Thesis\) \(45 credits\)](#)

The LL.M. thesis program is geared toward students who wish to continue their legal education primarily through research, as the program concentrates on the production of a 30,000-word thesis, as well as some graduate-level coursework.

section 9.12.1.10: Master of Laws (LL.M.) Law (Thesis): Air and Space Law (45 credits)

The LL.M. thesis program in Air and Space Law is geared toward students who wish to focus on original scholarly research related to the Air and Space Law domain. This program involves a combination of coursework and research credits (a thesis of 30,000 words). The thesis must show familiarity with previous work in the field and demonstrate the student's capacity for independent analysis, writing skills, and organization.

section 9.12.1.6: Master of Laws (LL.M.) Law (Thesis): Bioethics (45 credits)

The master's specialization in Bioethics is an interdisciplinary program that emphasizes both the conceptual and practical aspects of Bioethics. Students pursuing the LL.M. in Bioethics are bound by the requirements of the Faculty of Law's LL.M. program. This program is offered as a thesis option only.

section 9.12.1.12: Master of Laws (LL.M.) Law (Thesis): Comparative Law (45 credits)

In the field of Comparative Law, students are encouraged to think about the nature and value of comparative scholarship both through coursework (particularly the Legal Traditions course, which is required for all students in Comparative Law) and through their master's thesis. As such, students are encouraged and given opportunities to explore how juridical analyses are enriched through openness to learning from diversity in research methods, theoretical frameworks, legal traditions and doctrines, languages, and disciplinary perspectives. The LL.M. thesis program in Comparative Law requires several graduate-level courses and the production of a 30,000-word thesis.



Note: Availability of this program is subject to relevant courses being offered in a given year.

section 9.12.1.7: Master of Laws (LL.M.) Law (Thesis): Environment (45 credits)

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 Law program is centred around the doctoral thesis, which develops a substantive and original contribution to legal research and knowledge under the supervision of a faculty member. Many doctoral candidates intend on pursuing an academic career, and develop their approach to pedagogy, research, and writing while at McGill.

section 9.12.1.15: Doctor of Civil Law (D.C.L.) Air and Space Law

The Doctor of Civil Law in Air and Space Law is a research degree ideal for scholars intent on deepening and broadening their critical understanding of the law, as well as their original engagement with it. The program offers a curriculum exploring legal issues that arise from international civil aviation and new technologies in space. It also provides students with a comprehensive understanding of the legal processes regulating worldwide aerospace activities.

section 9.12.1.16: Doctor of Civil Law (D.C.L.) Law: Comparative Law

Doctoral students in Comparative Law are encouraged to think about the nature and value of comparative scholarship both through coursework (particularly the Legal Traditions course, which is recommended for DCL students in Comparative Law) and through their doctoral thesis. As such, students are encouraged and given opportunities to explore how juridical analyses are enriched through openness to learning with diverse research methods, theoretical frameworks, legal traditions and doctrines, languages, and disciplinary perspectives.

Graduate Certificates**section 9.12.1.17: Graduate Certificate (Gr. Cert.) Air and Space Law (15 credits)**

The Graduate Certificate in Air and Space Law is a course-based program designed for students with a strong professional orientation. This certificate is particularly appropriate for jurists and other professionals who wish to pursue graduate-level legal studies in aviation, air and space law, government regulations, conventions, and treaties dealing with these areas.

section 9.12.1.18: Graduate Certificate (Gr. Cert.) Comparative Law (15 credits)

The Graduate Certificate in Comparative Law provides advanced training to candidates who do not wish to undertake the master's degree. The Graduate Certificate is particularly appropriate for judges, law professors, and legal practitioners from countries undergoing substantial legal reform (such as post-Communist or developing countries) who wish to pursue advanced studies in areas such as civil, commercial, or human rights law.

9.12.1.3 Law Admission Requirements and Application Procedures**9.12.1.3.1 Admission Requirements**

Applicants must submit their application through [uApply](#). Any questions regarding the status of an application must be sent via the **uApply communication tool**. For detailed information on the application process, please visit the [Faculty website](#).

9.12.1.3.1.1 Language Requirement

Graduate-level courses are generally offered in English, and an adequate level of proficiency in English must be demonstrated for admission. In order to understand all course materials, the ability to speak and read French is an asset. At McGill's Faculty of Law, all students may choose to write essays, examinations, and theses in English or French. In areas such as the study of private law in the civilian tradition or comparative private law, a reading knowledge of French is essential.

For graduate applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized Canadian or American (English or French) institution or from a recognized foreign institution where English is the language of instruction, documented proof of English proficiency is required **prior to admission**. For a list of acceptable test scores and minimum requirements, visit mcgill.ca/law/grad-studies/admissions-guide/eligibility.

9.12.1.3.1.2 LL.M. Programs

Candidates for admission to the master's programs must hold a bachelor's degree (or equivalent) in Law (such as LL.B. or J.D.), with a minimum cumulative grade point average (CGPA) of 3.0 out of 4.0 (or equivalent). This standing does not guarantee admission; the Graduate Admissions Committee weighs the entire dossier, including the applicant's reference letters and the quality of the research proposal.

9.12.1.3.1.3 LL.M. Interdisciplinary Options

Note: The availability of these options is subject to relevant courses being offered in a given year.

- 1. Environment Option:** This option is available to students who apply for admission to the LL.M. Thesis or Non-Thesis program at the Faculty of Law. For further information, see [Environment](#) > Graduate > Browse Academic Units & Programs > [section 7.12.1: Environment](#) or visit mcgill.ca/mse/envroption.
- 2. Bioethics Option:** This option is available to students who apply for admission to the LL.M. Thesis program at the Faculty of Law. For further information, see [Medicine](#) > Graduate > Browse Academic Units & Programs > [section 11.12.4.2: Bioethics](#) or visit mcgill.ca/biomedicaethicsunit/teaching/masters.

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)	Current McGill Students (any citizenship)
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 Faculty of Law will not consider applications received on or after December 21.**

The Faculty of Law offers **Fall term admission only**; the Faculty will not consider applications for Winter or Summer entry. Applications submitted for the Winter and Summer terms will be cancelled without reimbursement of the application fee.



Note: The application fee is non-refundable.

9.12.1.4 Course Selection (Graduate and Postdoctoral Law Programs)

It should be noted that not all courses are offered in each year. Students wishing to pursue research topics outside of these particular fields are welcome to do so, subject to the availability of appropriate thesis supervisors.

The graduate-level Law courses are grouped into five inter-related concentrations.

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 civil and common law, and the awareness of the importance of theoretical approaches to law as a means of understanding both the internal dynamic of legal phenomena and their relationship to other social phenomena.

Courses offered within this concentration may include:

Aboriginal Peoples and the Law (CMPL 500)
 Advanced Criminal Law (PUB2 501)
 Advanced Jurisprudence (CMPL 505)
 Canadian Legal History (CMPL 547)
 Civil Law Perspectives (CMPL 601)
 Common Law Perspectives (CMPL 602)
 Comparative Modern Legal History (CMPL 519)
 Feminist Legal Theory (CMPL 504)
 Human Rights & Cultural Diversity (CMPL 603)
 Jurisprudence (CMPL 501)
 Legal Education Seminar (LAWG 625)
 Legal Theory (CMPL 506)
 Legal Traditions (CMPL 600)
 Linguistic and Literary Approaches to Law (CMPL 507)
 Restitution (PRV4 500)
 Roman Law (CMPL 510)
 Sentencing in Canadian Law (PUB2 504)
 Social Diversity and Law (CMPL 511)
 Talmudic Law (CMPL 513)
 Theoretical Approaches to Law (CMPL 641)

9.12.1.4.2 International Business Law

This field has practical significance in international business relations and also provides opportunities to apply experience derived from multiple legal systems to the development of multi-jurisdictional, “international” commercial rules.

Courses offered within this concentration may include:

Airline Business and Law (ASPL 614)
 Comparative Air Law (ASPL 632)
 Comparative Legal Institutions (CMPL 517)
 Copyright and Trademark Theory (BUS2 500)
 Corporate Finance (BUS2 505)
 European Union Law 1 (CMPL 536)
 European Union Law 2 (CMPL 537)
 Government Control of Business (CMPL 574)
 Government Regulation of Space Activities (ASPL 639)
 Intellectual & Industrial Property (BUS2 502)
 International Business Law (CMPL 604)
 International Carriage of Goods by Sea (CMPL 515)
 International Development Law (CMPL 516)
 International Environmental Law and Politics (CMPL 546)

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 Legislative Process (CMPL 518)

Regulation Technology/Society (CMPL 605)

Trade Regulation (CMPL 521)

9.12.1.4.5 Air and Space Law

This field explores legal issues that arise from international civil aviation and new technologies in space. It provides a comprehensive understanding of the legal processes regulating worldwide aerospace activities.

Courses offered within this concentration may include:

Government Regulation of Air Transport (ASPL 613)

Airline Business and Law (ASPL 614)

Comparative Air Law (ASPL 632)

Public International Air Law (ASPL 633)

Private International Air Law (ASPL 636)

Space Law: General Principles (ASPL 637)

Law of Space Applications (ASPL 638)

Government Regulation of Space Activities (ASPL 639)

9.12.1.5 Master of Laws (LL.M.) Law (Thesis) (45 credits)

The 45-credit LL.M. program, thesis option, is a research-intensive graduate program focused on developing research interests into a thesis project under the supervision of a faculty member. Graduate level courses on theoretical and methodological approaches to legal writing complement the research work and thesis completion process, and courses in specific areas of knowledge related to the candidate's research interests complete the program's credit requirements.

LL.M. candidates may be associated with the Centre for Human Rights and Legal Pluralism, the Quebec Research Centre of Private and Comparative Law, the Centre for Intellectual Property Policy, or one of the specialized Research Chairs at the Faculty of Law. For more information, see our Website: <https://mcgill.ca/law/grad-studies/masters-programs>.

Candidates must remain in residence for three terms for which full-time fees will be charged. The third term, usually devoted to thesis research, may be taken the Summer of the first year. If the thesis is not completed in this time, students must register for additional sessions as needed. All degree requirements must be completed within a maximum of three years of the date of first registration.

Thesis Courses (30 credits)

As part of the course Master's Thesis 1, a thesis candidate must provide a protocol to his or her supervisor setting out details as to the thesis topic, the deadlines for the completion of the various thesis courses and the schedule of meetings with the thesis supervisor. Modifications to the protocol must be made in writing and submitted to the Associate Dean (Graduate Studies).

CMPL 612	(3)	Master's Thesis 1
CMPL 613	(3)	Master's Thesis 2
CMPL 614	(3)	Master's Thesis 3
CMPL 615	(6)	Master's Thesis 4
CMPL 616	(12)	Master's Thesis 5
CMPL 617	(3)	Master's Thesis 6

Required Courses (9 credits)

CMPL 610	(1.5)	Legal Research Methodology 1
CMPL 611	(1.5)	Legal Research Methodology 2
CMPL 641	(3)	Theoretical Approaches to Law
LAWG 601	(1.5)	Communication 1
LAWG 602	(1.5)	Communication 2

Complementary Courses (6 credits)

The remaining 6 credits (or fewer if more credits are earned for the Master's Thesis) are chosen from among Faculty offerings at the 500 and 600 level.

Additional Thesis Courses

With the approval of the Associate Dean (Graduate Studies) and Graduate and Postdoctoral Studies (GPS), students may take up to an additional 3 credits of thesis courses by completing one or both of:

CMPL 618	(2)	Master's Thesis 7
CMPL 619	(1)	Master's Thesis 8

9.12.1.6 Master of Laws (LL.M.) Law (Thesis): Bioethics (45 credits)

The 45-credit LL.M. program, thesis option, in Bioethics is a research-intensive, interdisciplinary, graduate program focused on developing research interests into a thesis project under the supervision of a faculty member. Graduate-level courses on theoretical and methodological approaches to legal writing complement the research work and thesis completion process, and courses in specific areas of knowledge related to the candidate's research interests complete the program's credit requirements.

Students following the Bioethics option come from the Faculties of Law, Medicine, Religious Studies, or the Department of Philosophy. Entering students pursuing an LL.M., Bioethics are bound by the requirements of the Faculty of Law's LL.M. program (thesis option). For further information regarding this program, please refer to the Bioethics section. See <https://www.mcgill.ca/biomedicaethicsunit/>.

Candidates must remain in residence for three terms for which full-time fees will be charged. The third term, usually devoted to thesis research, may be taken the Summer of the first year. If the thesis is not completed in this time, students must register for additional sessions as needed. All degree requirements must be completed within a maximum of three years of the date of first registration.

Thesis Courses (24 credits)

The Master's Thesis programs consist of a coursework component and a thesis of approximately 100 pages. As part of the thesis requirement, a candidate must provide a protocol to his or her supervisor setting out details as to the thesis topic, the deadlines for the completion of the various thesis courses and the schedule of meetings with the thesis supervisor. Modifications to the protocol must be made in writing and submitted to the Associate Dean (Graduate Studies).

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
CMPL 641	(3)	Theoretical Approaches to Law
LAWG 601	(1.5)	Communication 1
LAWG 602	(1.5)	Communication 2

Complementary Courses (9 credits)

3 credits from the following

BIOE 682	(3)	Medical Basis of Bioethics
CMPL 642	(3)	Law and Health Care
PHIL 643	(3)	Seminar: Medical Ethics
RELG 571	(3)	Ethics, Medicine and Religion

6 credits at the 500 level or above of Faculty of Law courses or Bioethics courses.

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. All degree requirements must be completed within a maximum of three years of the date of first registration.

Thesis Courses (27 credits)

As part of the course Master's Thesis 1, a thesis candidate must provide a protocol to his or her supervisor setting out details as to the thesis topic, the deadlines for the completion of the various thesis courses and the schedule of meetings with the thesis supervisor. Modifications to the protocol must be made in writing and submitted to the Associate Dean (Graduate Studies).

CMPL 612	(3)	Master's Thesis 1
CMPL 613	(3)	Master's Thesis 2
CMPL 614	(3)	Master's Thesis 3
CMPL 615	(6)	Master's Thesis 4
CMPL 616	(12)	Master's Thesis 5

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 (9 credits)

3-6 credits chosen from:

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

0-3 credits chosen from:

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

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

0-3 credits at the 500 level or higher approved by the Advisory Committee.

9.12.1.8 Master of Laws (LL.M.) Law (Non-Thesis) (45 credits)

The 45-credit LL.M. non-thesis option complements previous legal education through specialized graduate-level coursework and in-depth research. It enhances expertise in selected areas of legal scholarship and offers an opportunity to write a supervised, substantial, and publishable paper in an area of interest.

Candidates must remain in residence for three terms for which full-time fees will be charged. The third term is devoted to the Research Project, usually taken in the Summer of the first year. If the research project is not completed in this time, students must register for additional sessions as needed. All degree requirements must be completed within a maximum of three years of the date of first registration.

Research Project (15 credits)

The supervised research project is a 15,000-word paper, assessed by the supervisor on a pass-fail basis, and is typically completed in the Summer.

CMPL 655	(15)	Research Project 1
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Required Courses (9 credits)

CMPL 610	(1.5)	Legal Research Methodology 1
CMPL 611	(1.5)	Legal Research Methodology 2
CMPL 641	(3)	Theoretical Approaches to Law
LAWG 601	(1.5)	Communication 1
LAWG 602	(1.5)	Communication 2

Complementary Courses (21 credits)

The remaining 21 credits (or fewer if more credits are earned for the research project) are chosen from among Faculty offerings at the 500 and 600 levels.

Additional Research Project Courses

With the approval of the Associate Dean (Graduate Studies) and Graduate and Postdoctoral Studies (GPS), students may take up to an additional 3 credits of research project courses by completing one or both of:

CMPL 656	(2)	Research Project 2
CMPL 657	(1)	Research Project 3

9.12.1.9 Master of Laws (LL.M.) Law (Non-Thesis): Environment (45 credits)

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.

Candidates must remain in residence for three terms for which full-time fees will be charged. The third term is devoted to the Research Project, usually taken in the summer of the first year. If the research project is not completed in this time, students must register for additional sessions as needed. All degree requirements must be completed within a maximum of three years of the date of first registration.

Research Project (15 credits)

The non-thesis option requires a substantial supervised research project during the third term of registration, a 15,000-word paper, assessed by the supervisor on a pass-fail basis, and typically completed in the Summer.

ASPL 655	(15)	Research Project 1
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Required Courses (12 credits)

ASPL 633	(3)	Public International Air Law
ASPL 636	(3)	Private International Air Law
ASPL 637	(3)	Space Law: General Principles
LAWG 601	(1.5)	Communication 1
LAWG 602	(1.5)	Communication 2

Complementary Courses (18 credits)

3 credits from the following:

CMPL 610	(1.5)	Legal Research Methodology 1
CMPL 611	(1.5)	Legal Research Methodology 2
CMPL 641	(3)	Theoretical Approaches to Law

15 credits (or fewer if more credits are earned for the research project) at the 500 level or higher chosen from among Faculty offerings (including ASPL offerings).

Additional Research Project Courses

With the approval of the Associate Dean (Graduate Studies) and Graduate and Postdoctoral Studies (GPS), students may take up to an additional 3 credits of research project courses by completing one or both of:

ASPL 656	(2)	Research Project 2
ASPL 657	(1)	Research Project 3

9.12.1.12 Master of Laws (LL.M.) Law (Thesis): Comparative Law (45 credits)

** Availability of this program is subject to relevant courses being offered in a given year. **

The 45-credit LL.M. program, thesis option, in Comparative Law is a research-intensive graduate program focused on developing research interests into a thesis project under the supervision of a faculty member. Graduate-level courses on theoretical and methodological approaches to legal writing complement the research work and thesis completion process, and courses in specific areas of knowledge related to the candidate's research interests complete the program's credit requirements.

LL.M. candidates may be associated with the Centre for Human Rights and Legal Pluralism, the Quebec Research Centre of Private and Comparative Law, the Centre for Intellectual Property Policy, or one of the specialized Research Chairs at the Faculty of Law. For more information, see our website: <https://mcgill.ca/law/grad-studies/masters-programs>.

Candidates must remain in residence for three terms. The third term, usually devoted to thesis research, may be taken the Summer of the first year. If the thesis is not completed in this time, students must register for additional sessions as needed. All degree requirements must be completed within a maximum of three years of the date of first registration.

Thesis Courses (30 credits)

As part of the course Master's Thesis 1, a thesis candidate must provide a protocol to his or her supervisor setting out details as to the thesis topic, the deadlines for the completion of the various thesis courses and the schedule of meetings with the thesis supervisor. Modifications to the protocol must be made in writing and submitted to the Associate Dean (Graduate Studies).

CMPL 612	(3)	Master's Thesis 1
CMPL 613	(3)	Master's Thesis 2

CMPL 614	(3)	Master's Thesis 3
CMPL 615	(6)	Master's Thesis 4
CMPL 616	(12)	Master's Thesis 5
CMPL 617	(3)	Master's Thesis 6

Required Courses (12 credits)

CMPL 600	(3)	Legal Traditions
CMPL 610	(1.5)	Legal Research Methodology 1
CMPL 611	(1.5)	Legal Research Methodology 2
CMPL 641	(3)	Theoretical Approaches to Law
LAWG 601	(1.5)	Communication 1
LAWG 602	(1.5)	Communication 2

Complementary Courses (3 credits)

The remaining 3 credits (or fewer if more credits are earned for the Master's Thesis) are chosen from among Faculty offerings at the 500 and 600 levels.

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.

LAWG 701	(0)	Comprehensive Exam - Law
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Required Courses (5 Credits)

CMPL 641	(3)	Theoretical Approaches to Law
LAWG 702	(2)	Legal Research Methodology for DCL
LAWG 703	(0)	Literature Review, Analysis and Proposal
LAWG 704	(0)	DCL Research Seminar 1
LAWG 705	(0)	DCL Research Seminar 2

Complementary Course (0-3 Credits)

Some students are encouraged to take the following:

LAWG 601	(1.5)	Communication 1
LAWG 602	(1.5)	Communication 2

9.12.1.15 Doctor of Civil Law (D.C.L.) Air and Space Law

The Institute of Air & Space Law offers a D.C.L. program in Air and Space Law, which allows the development of substantive and original contributions to legal research and knowledge under the supervision of a faculty member.

The degree will be awarded, at the earliest, after the completion of three years of residence. The core of the D.C.L. program is a substantial thesis of up to 400 pages that makes a significant contribution to legal scholarship, evidencing in concept and execution the original work of the candidate. The thesis must 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.

ASPL 701	(0)	Comprehensive - Air/Space Law
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Required Courses (5 Credits)

CMPL 641	(3)	Theoretical Approaches to Law
LAWG 702	(2)	Legal Research Methodology for DCL
LAWG 703	(0)	Literature Review, Analysis and Proposal

LAWG 704	(0)	DCL Research Seminar 1
LAWG 705	(0)	DCL Research Seminar 2

Complementary Course (0-3 Credits)

Some students are encouraged to take the following:

LAWG 601	(1.5)	Communication 1
LAWG 602	(1.5)	Communication 2

9.12.1.16 Doctor of Civil Law (D.C.L.) Law: Comparative Law

The Doctor of Civil Law (D.C.L.) program allows the development of substantive and original contributions to legal research and knowledge under the supervision of a faculty member.

The degree will be awarded, at the earliest, after the completion of 3 years of residence in the Faculty. The core of the D.C.L. program is a substantial thesis of up to 400 pages that makes a significant contribution to legal scholarship, evidencing in concept and execution the original work of the candidate. The thesis must be submitted within 4 years of completion of the residency requirement. Every candidate must successfully pass a comprehensive examination, after one year which may occur in the first year of the program, but no later than the end of the second year of the program.

Comprehensive - Required

Every candidate must successfully pass a comprehensive examination, usually after one year in the program.

LAWG 701	(0)	Comprehensive Exam - Law
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Required Courses (5 Credits)

CMPL 641	(3)	Theoretical Approaches to Law
LAWG 702	(2)	Legal Research Methodology for DCL
LAWG 703	(0)	Literature Review, Analysis and Proposal
LAWG 704	(0)	DCL Research Seminar 1
LAWG 705	(0)	DCL Research Seminar 2

Complementary Course (0-3 Credits)

Some students are encouraged to take the following:

LAWG 601	(1)	Communication 1
LAWG 602	(1)	Communication 2

9.12.1.17 Graduate Certificate (Gr. Cert.) Air and Space Law (15 credits)

The Graduate Certificate in Air and Space Law offered through the Institute of Air and Space Law is a coursework program, appropriate for students with a strong professional orientation.

The certificate is awarded after one term of residence in the Faculty and upon completion of 15 academic credits of graduate law courses. Students must take 9 credits of required Air and Space Law courses and the additional 6 credits may consist of any 500-level or higher law course or other courses offered through the Institute of Air and Space Law. Exceptionally, and with the permission of the Associate Dean, Graduate Studies, the 15 credits may be taken over two terms.

For more information, see our website: <https://mcgill.ca/law/grad-studies/certificate-programs>.

Required Courses (9 credits)

ASPL 633	(3)	Public International Air Law
ASPL 636	(3)	Private International Air Law
ASPL 637	(3)	Space Law: General Principles

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 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

10.2 Graduate and Postdoctoral Studies**10.2.1 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)

10.2.2 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.

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 require during their studies at McGill and should be periodically consulted, along with other sections and related publications.

10.8.1 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.).

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](#).
- ii. Upon registration, postdocs will be eligible for a University identity card issued by Enrolment Services.
- iii. Leaves of absence must comply with the Graduate and Postdoctoral Studies Policies for Vacation, Parental/Familial, and Health Leave (see [section 2.8.3: Vacation Policy for Graduate Students and Postdocs](#) and [University Regulations & Resources](#) > Graduate > Regulations > Categories of Students > [section 1.2.8: Leave of Absence Status](#)).

3. Appointment, Funding, Letter of Agreement

- i. Postdoctoral appointments may not exceed the registration eligibility period as defined above.
- ii. In order to be registered, the postdoc must be assured of financial support other than from personal means during their stay at McGill University. This amount must be equivalent to the minimal stipend requirement set by the University in accordance with guidelines issued by federal and provincial research granting agencies or the collective agreement, as applicable. Funding during parental leave is subject to the conditions of the funding agency or the collective agreement, as applicable.
- iii. Postdocs require a [Letter of Agreement for Postdoctoral Education](#) signed by the postdoc, the supervisor, and the department/unit head or delegate.
- iv. Postdocs with full responsibility for teaching a course should be compensated over and above their postdoctoral funding as course lecturers. This applies to all postdocs, except those for whom teaching is part of the award.
- v. The amount of research, teaching, or other tasks that postdocs engage in over and above postdoctoral activities should conform to the regulations for postdocs specified by the Canadian research council of their discipline or the collective agreement. This applies to all postdocs, including those whose funding does not come from the Canadian research councils.

4. Privileges

- i. Postdocs have the same pertinent rights as the ones granted to McGill students under mcgill.ca/students/srr, and those granted by the policies listed at mcgill.ca/secretariat/policies-and-regulations.
- ii. Postdocs have full graduate student borrowing privileges in McGill libraries through their identity card.
- iii. As a general rule, postdocs may take courses for credit as Special Students following the admissions procedures outlined at mcgill.ca/gradapplicants/apply/prepare/visiting. [Tuition and other charges](#) will apply.
- iv. Postdocs may be listed in the McGill directory.
- v. Access to sports facilities may be purchased on a monthly basis through McGill Athletics and Recreation.
- vi. Postdoctoral Fellows and Scholars are mandatory members of the Post-Graduate Students' Society (PGSS) and an annual association fee is automatically charged.
- vii. Postdocs are permitted membership in the Faculty Club; an annual fee will be charged for this membership.
- viii. Postdocs are encouraged to participate in Professional Development Workshops provided by Graduate and Postdoctoral Studies, and Teaching and Learning services. These sessions are usually free of charge.
- ix. Postdocs have 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.

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 Government of Quebec's definition of a Postdoctoral Fellow, you may be eligible to attend McGill as a Postdoctoral Research Trainee. While at McGill, you can perform research only (you may not register for courses or engage in clinical practice). Medical specialists who will have clinical exposure and require a training card must register through Postgraduate Medical Education of the Faculty of Medicine and Health Sciences—not Graduate and Postdoctoral Studies.

The category of Postdoctoral Research Trainee is for:

Category 1: An individual who has completed requirements for the Doctoral degree or medical specialty, but whose degree/certification has not yet been awarded. An individual in this category will subsequently be eligible for registration as a Postdoctoral Fellow.

Category 2: An individual who is not eligible for Postdoctoral Registration according to the Government of Quebec's definition, but is a recipient of an external postdoctoral award from a recognized Canadian funding agency.

Category 3: An individual who holds a professional degree (or equivalent) in a regulated health profession (as defined under CIHR-eligible health profession) and is enrolled in a program of postgraduate medical education at another institution. This individual wishes to conduct the research stage or elective component of their program of study at McGill University under the supervision of a McGill professor. This individual will be engaged in full-time research with well-defined objectives, responsibilities, and methods of reporting. Applications must be accompanied by a letter of permission from the applicant's home institution (signed by the Department Chair, Dean, or equivalent) confirming registration in their program and stating the expected duration of the research stage. Individuals who are expecting to spend more than one year are encouraged to obtain formal training (master's or Ph.D.) through application to a relevant graduate program.

Category 4: An individual with a regulated health professional degree (as defined under CIHR-eligible health profession), but not a Ph.D. or equivalent or medical specialty training, but who fulfils criteria for funding on a tri-council operating grant or by a CIHR fellowship (up to maximum of five years post-degree).



Note: Individuals who are not Canadian citizens or permanent residents must inquire about eligibility for a work permit.

General Conditions

- The maximum duration is three years
- The individual must be engaged in full-time research
- The individual must provide copies of official transcripts/diplomas
- The individual must have the approval of a McGill professor to supervise the research and of the Unit
- The individual must have adequate proficiency in English, but is not required to provide official proof of English competency to Enrolment Services
- The individual must comply with regulations and procedures governing research ethics and safety and obtain the necessary training
- The individual will be provided access to McGill libraries, email, and required training in research ethics and safety. Any other University services must be purchased (e.g., access to athletic facilities)
- The individual must arrange for basic health insurance coverage prior to arrival at McGill and may be required to provide proof of coverage

10.9 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

10.10 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

10.11 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

10.12 Desautels Faculty of Management

10.12.1 Location

Samuel Bronfman Building
 1001 Sherbrooke Street West
 Montreal QC H3A 1G5
 Canada
 Telephone: 514-398-4066
 Website: mcgill.ca/desautels

10.12.2 About Desautels Faculty of Management

McGill University offers a variety of programs that provide graduate-level education in management. All programs have been tailored to meet the special needs and demands of different groups of people. Before embarking on a graduate management education, students should be aware of the different and unique features of each program, and select the one that best suits their aspirations and abilities.

Graduate Programs in Management

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

section 10.13.3: Master of Business Administration (M.B.A.) Management (Non-Thesis) (54 credits)

section 10.13.4: Master of Business Administration (M.B.A.) Management (Non-Thesis): General Management (48 credits)

Master of Business Administration (M.B.A.)/Japan

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

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)

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 M.B.A. Program**About the Master of Business Administration (M.B.A.)**

Our one-year and two-year program options take the student's needs into account. We recognise that employers are hungry for a set of skills that most MBA programs have historically neglected to teach, like AI, financial technology, data analysis, and design thinking.

Choose a path length

One year or two? Choose between our 48-credit and 54-credit programs, keeping in mind that the difference in credits comes down to the time you spend in the internship, not the classroom. The 48-credit program can be completed in 12 months. The 54-credit takes 20 months, though many students can choose to accelerate it to finish in 16.

When the market speaks, we listen. With flexible specialisations, our students can personalize the content of their degrees to gain a competitive edge. In redesigning our MBA program, we have charted our own course because we expect our students to do the same. For more information, visit mcgill.ca/desautels/programs/mba-programs/mba

Master of Business Administration (M.B.A.); Management (Non-Thesis)*section 10.13.3: Master of Business Administration (M.B.A.) Management (Non-Thesis) (54 credits)**section 10.13.4: Master of Business Administration (M.B.A.) Management (Non-Thesis): General Management (48 credits)***10.13.1 Admission Requirements and Application Procedures**

For more information, please refer to mcgill.ca/desautels/programs/mba-programs/mba/admissions

10.13.2 Application Dates and Deadlines

For more information, please refer to mcgill.ca/desautels/programs/mba-programs/mba/admissions

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 660	(4.5)	International Study Trip

* Choose EITHER BUSA 650 or BUSA 651. Students who participate in an International Exchange (12 credits of elective courses) are exempt from BUSA 650/BUSA 651; 6 additional credits of elective courses are required to complete the 54-credit requirement.

Elective Courses (27 credits)

27 credits of courses are chosen from 600-level courses offered by the Faculty. Course choice must be approved by a program adviser in the Faculty.

10.13.4 Master of Business Administration (M.B.A.) Management (Non-Thesis): General Management (48 credits)

The M.B.A.; Non-Thesis - General Management program 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 as to allow for completion of the program in 12 months ('accelerated') or part-time. 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 based on input from Faculty Areas.

This streamlined 12 month program does not allow a student to do an internship or an exchange semester at a foreign university.

Required Courses (21 credits)

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 660	(4.5)	International Study Trip

Elective Courses (27 credits)

27 credits of courses are chosen from 600-level courses offered by the Faculty. Course choice must be approved by a program adviser in the Faculty.

10.13.5 Master of Business Administration (M.B.A.) Management (Non-Thesis) & (B.C.L. & J.D.) (132 credits)

A joint M.B.A.; Non-Thesis - General Management and B.C.L./J.D. program is offered by the Desautels Faculty of Management and the Faculty of Law. This joint program provides students the opportunity to pursue legal and administrative aspects of business. Successful candidates graduate with M.B.A., B.C.L., and J.D. degrees, a trio that prepares them for careers in private and public enterprise, as well as government service.

Students complete 39 credits for the M.B.A. and 93 credits for the integrated B.C.L./J.D., for a total of 132 credits.

Required Courses - Management (24 credits)

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 621	(1.5)	International Environment
MGCR 622	(1.5)	Organizational Strategy
MGCR 628	(1.5)	Integrative Course
MGCR 638	(1.5)	Marketing Management
MGCR 639	(1.5)	Managing Organizational Behaviour
MGCR 640	(1.5)	Accounting and Financial Reporting
MGCR 642	(1.5)	Financial Reporting
MGCR 660	(4.5)	International Study Trip

Elective Courses (15 credits)

15 credits of courses are chosen from 600-level courses offered by the Faculty. Course choice must be approved by a program adviser in the Faculty. Students will have to attend the M.B.A. Base Camp (Accounting and Business Math) prior to commencing the M.B.A.

Required Courses - Law (47 credits)

First Year – 33 credits

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 103	(3)	Indigenous Legal Traditions
LAWG 110D1	(1.5)	Integration Workshop

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

Complementary Courses – Law (12 credits)

Civil Law Immersion Courses (3 credits)

BUS2 561	(3)	Insurance
LAWG 506	(3)	Advanced Civil Law Property
PROC 200	(3)	Advanced Civil Law Obligations
PROC 549	(3)	Lease, Enterprise, Suretyship
PRV2 270	(3)	Law of Persons
PRV4 548	(3)	Administration Property of Another and Trusts

Common Law Immersion Courses (3 credits)

PRV3 200	(3)	Advanced Common Law Obligations
PRV3 534	(3)	Remedies
PRV4 500	(3)	Restitution
PRV4 549	(3)	Equity and Trusts

Social Diversity, Human Rights and Indigenous Law Courses (3 credits)

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
LAWG 508D1	(3)	Indigenous Constitutionalism

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, offered within the Faculty or approved as credit equivalencies in order to complete the 93-credit degree

Minimum Writing Requirement

All students are required to submit at least one research paper. This requirement may be satisfied by: a) writing an essay in a course in which the essay constitutes no less than 75% of the final grade; b) writing a term essay under independent supervision, for credit, within the Faculty of Law; c) writing an article, note, or comment or equivalent substance that is published or accepted for publication in the McGill Law Journal and approved by the Faculty Adviser to that publication. Papers written jointly do not satisfy this requirement.

10.13.6 M.B.A./Japan Admission Requirements and Application Procedures

About the M.B.A./Japan

The McGill MBA Japan program is a weekend MBA program based on the world-leading Integrative MBA program offered by McGill University's Desautels Faculty of Management in Montreal. Students will follow a lockstep program. MBA Japan classes take place at the Learning Edge Nishi-shinjuku Campus on the 4th floor of Nomura Fudosan Nishi-shinjuku building.

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 key management disciplines and skills with its integrative approach. The academic content of the M.B.A. (Japan) program is the same as the Montreal M.B.A.; however, the delivery of the content is modified to allow students to complete a Master of Business Administration degree on weekends in Japan.

Required Core Courses (24 credits)

BUSA 695	(1.5)	Real-Time Decisions
MGCR 613	(1.5)	Managerial Economics
MGCR 614	(1.5)	Management Statistics
MGCR 617	(1.5)	Operations Management
MGCR 618	(1.5)	Leadership and Professional Skills
MGCR 620	(1.5)	Information Systems
MGCR 621	(1.5)	International Environment
MGCR 622	(1.5)	Organizational Strategy
MGCR 628	(1.5)	Integrative Course
MGCR 638	(1.5)	Marketing Management
MGCR 639	(1.5)	Managing Organizational Behaviour
MGCR 640	(1.5)	Accounting and Financial Reporting
MGCR 642	(1.5)	Financial Reporting
MGCR 660	(4.5)	International Study Trip

Elective Courses (24 credits)

24 credits of courses are chosen from 600-level courses offered by the Faculty. Course choice must be approved by a program adviser in the Faculty.

10.13.6.7 Master of Business Administration (M.B.A.)/Japan Management (Non-Thesis): Global Strategy and Leadership (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 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 marketing programs, and managing customer relationships.

Required Core Courses (21 credits)

All M.B.A. students must complete the following core courses:

MGCR 629	(1)	Healthcare Leadership
MGCR 650	(2)	Business Tools
MGCR 651	(4)	Managing Resources
MGCR 652	(4)	Value Creation
MGCR 653	(4)	Markets and Globalization
MGCR 661	(6)	International Study Experience

Required Concentration Courses (6 credits)

Students choosing the Marketing concentration must complete these required courses:

MRKT 657	(3)	Customer Insights
MRKT 658	(3)	Marketing Intelligence

Complementary Courses (30 credits)

9 credits selected from the following courses toward the concentration:

MRKT 645	(3)	Winning at Brands
MRKT 652	(3)	Competitive Marketing Strategy
MRKT 655	(3)	Marketing Planning
MRKT 690	(3)	Advanced Topics in Marketing 1

The remaining 15 credits of courses are chosen from 500- and 600-level courses offered by the Faculty.

6 credits from the following:

BUSA 650	(6)	Internship
BUSA 651	(6)	Practicum

10.13.6.9 Master of Business Administration (M.B.A.)/Japan Management (Non-Thesis): Technology and Innovation Management (57 credits)

The McGill MBA Japan program of the Desautels Faculty of Management of McGill University is the leading MBA program in Japan, and one of the leading weekend programs in Asia. Designed for working people with several years of experience, the McGill MBA Japan program allows you to complete a Master of Business Administration program on weekends, without leaving employment.

Based on McGill's world-leading Integrative MBA Curriculum, the MBA Japan program allows you to complete a full MBA by studying two weekends per month in as little as 20 months. Taught by world-leading professors from McGill's home campus, the MBA Japan attracts highly qualified students from Japan and around the globe.

As technology reshapes the globe and innovations transform markets and organizations, the 21st century manager will be deeply immersed in technology and innovation management. As information technology is now present in more products and processes, managers need to understand the processes surrounding

its strategic use and development. As manufacturing and service operations now stretch the globe, issues of logistics and supply chain integration become more important. As innovative products increasingly create and transform markets, managers must master the technology development process. This concentration provides tools, frameworks, and integration of all aspects of organizational operations, supply chain, IT processes and innovation management. Students following this concentration will be uniquely qualified to take jobs in new product development, IT strategy, operations and supply chain management, and technology consulting. A unique aspect of the concentration is the capstone project course where students work on solving a real-life technology innovation problem.

Required Core Courses (21 credits)

All M.B.A. students must complete the following core courses:

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 Technology and Innovation Management concentration must complete these required courses:

INSY 606	(3)	Technology Management
MGSC 616	(3)	Technology in Action

Complementary Courses (30 credits)

9 credits selected from the following courses toward the concentration:

INSY 607	(3)	Technology Consulting
INSY 608	(3)	Winning with IT
INSY 609	(3)	Technology Project Management
MGSC 602	(3)	Strategic Management of Operations
MGSC 603	(3)	Logistics Management
MGSC 605	(3)	Total Quality Management
MGSC 615	(3)	Procurement and Distribution
MGSC 631	(3)	Analysis: Production Operations
ORGB 625	(3)	Managing Organizational Change

The remaining 15 credits of courses are chosen from 500- and 600-level courses offered by the Faculty.

6 credits from the following:

BUSA 650	(6)	Internship
BUSA 651	(6)	Practicum

10.13.7 Joint Executive M.B.A. Admission Requirements and Application Procedures

About the Joint Executive 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)

The E.M.B.A. program is designed both to teach new managerial tools as well as to allow managers to take a step back from the tools and understand their strengths and limitations. It also aims at presenting different models of management and is designed to meet the training needs of managers who currently hold, or who will hold in the future, senior management positions.

section 10.13.7.4: Executive Master of Business Administration (E.M.B.A.) Joint Executive M.B.A. (Non-Thesis) (45 credits)

It is offered jointly with *Hautes Études Commerciales* (HEC) – Montreal.

10.13.7.1 Admission Requirements

For the admission criteria, please consult the following website: www.embamcgillhec.ca/en/application/admission-criteria.

10.13.7.2 Application Procedures

For the application procedures, please consult the following website: www.embamcgillhec.ca/en/application.

10.13.7.3 Application Dates and Deadlines

For the application dates and deadlines, please consult the following website: www.embamcgillhec.ca/en/application.

10.13.7.4 Executive Master of Business Administration (E.M.B.A.) Joint Executive M.B.A. (Non-Thesis) (45 credits)**Required Courses (45 credits)**

McGill University courses (33 credits)

BUSA 642	(4)	Reflective Dimension Manager Role
BUSA 643	(4)	Collaborative Dimension Manager
BUSA 644	(4)	Analytic Dimension of Manager Role
BUSA 645	(4)	Worldly Dimension of Manager Role
BUSA 685	(5)	Managing Change
BUSA 689	(12)	Integrative Project

HEC Montréal courses (12 credits)

MHEC 600	(4)	Création de valeur
MHEC 601	(4)	Excellence opérationnelle
MHEC 602	(4)	Outils et pratiques de gestion

10.14 Master of Management Programs Admission Requirements and Application Procedures**About Master of Management Programs****section 10.14.3: Master of Management (M.M.) Analytics (Non-Thesis) (45 credits)**

The M.M. Analytics is designed to teach the fundamentals of data and decision analytics, team management, and leadership. Students are exposed to a variety of management analytics application topics including marketing, retailing, supply chain, healthcare, security, pricing, talent, and network analytics. For more information, visit mcgill.ca/desautels/programs/mma

section 10.14.4: Master of Management (M.M.) Finance (Non-Thesis) (45 credits)

The M.M. Finance degree is a twelve-month specialized program in finance. The M.M.F. program prepares students for a career in finance through a comprehensive curriculum that integrates advanced financial concepts and quantitative methods with real-world business practices. For more information, visit mcgill.ca/desautels/programs/mmfi.

section 10.14.5: Master of Management (M.M.) Manufacturing Management (Non-Thesis) (56 credits)

Alternatively, a Master in Global Manufacturing and Supply Chain Management (MGMSCM) program is offered at Zhejiang University (Hangzhou, China). It follows the same curriculum as the M.M.M. program and is offered on a part-time basis at Zhejiang University (with options for a semester of courses in Montreal and a summer trip). As part of Master in Global Manufacturing and Supply Chain Management initiative, students having completed

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

MRKT 672	(1.5)	Internet Marketing Analytics
MRKT 673	(1.5)	Pricing Analytics
MRKT 674	(1.5)	Retail Analytics
MRKT 696	(1.5)	Advanced Topics in Marketing Analytics
ORGB 671	(1.5)	Talent Analytics
ORGB 672	(1.5)	Organizational Network Analysis
ORGB 695	(1.5)	Advanced Topics in Organizational Behaviour

10.14.4 Master of Management (M.M.) Finance (Non-Thesis) (45 credits)

The Master of Management in Finance; Non-Thesis (MMF) program is a flexible-length specialized masters degree in finance. The choices are program completion within 12, 16 and 20 months. The program is part of the Faculty's expanding portfolio of specialized MM programs. The distinguishing features of the program are 1) a quantitative level well-above the average current MBA elective and 2) a close interaction with the private sector. The crucial 9-credit major paper requirement is fulfilled either by 1) completing a three-month internship on a financial project with a corporation and writing a detailed report; or by 2) independently working on a research project. The program will contain an investment and corporate finance focus and it will have an advisory board of executives from financial and non-financial corporations.

Required Courses (21 credits)

ACCT 604	(3)	Financial Statements 1
FINE 674	(3)	Fintech
FINE 678	(3)	Financial Economics
FINE 679	(3)	Corporate Finance Theory
FINE 680	(3)	Investments
FINE 681	(3)	International Capital Markets
FINE 682	(3)	Derivatives

Complementary Courses (24 credits)

12 credits from:

ACCT 605	(3)	Financial Statements 2
FINE 683	(3)	Advanced Corporate Finance
FINE 684	(3)	Fixed Income Analysis
FINE 685	(3)	Market Risk Management
FINE 686	(3)	Global Corporate Finance
FINE 687	(3)	Global Investments
FINE 688	(3)	Mergers and Acquisitions

or any other relevant 600-level courses offered by Desautels Faculty of Management with permission of the Program Adviser.

12 credits from:

FINE 670	(3)	Fundamentals of Financial Research
FINE 671*	(9)	Applied Finance Project
FINE 671D1*	(4.5)	Applied Finance Project
FINE 671D2*	(4.5)	Applied Finance Project
FINE 671N1*	(4.5)	Applied Finance Project
FINE 671N2*	(4.5)	Applied Finance Project

*Note: Choose either FINE 671 or FINE 671D1/D2 or FINE 671N1/N2.

Or

FINE 689	(12)	Integrative Finance Project
FINE 689N1	(6)	Integrative Finance Project
FINE 689N2	(6)	Integrative Finance Project

10.14.5 Master of Management (M.M.) Manufacturing Management (Non-Thesis) (56 credits)

M.M. in Manufacturing Management, Non-Thesis program provides a professional, hands-on approach that addresses all major issues germane to the optimization of operations. The program moved beyond a manufacturing focus to all facets of supply chains, logistics and manufacturing management. A key feature of the program is industry participation and interaction. To ensure a profound comprehension of the issues and challenges facing business today, courses have corporate sponsors and partners that provide case studies, plant tours, seminars, industrial projects and internships. The

major emphasis of these activities is on improving productivity and operational effectiveness. The program aims at training the students with diversified backgrounds who wish to pursue a career in the top management of global operations and supply chain.

A version of M.M. in Manufacturing Management, Non-Thesis program is collaboratively offered with Zhejiang University Hangzhou in China.

Required Courses (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
MGSC 604	(2)	Managerial Communication in Supply Chain Management
MGSC 607	(1)	Corporate Social Responsibility in Supply Chain Management
ORGB 625	(3)	Managing Organizational Change
ORGB 632	(3)	Managing Teams in Organizations
ORGB 633	(3)	Managerial Negotiations
ORGB 640	(3)	The Art of Leadership
ORGB 685	(3)	Cross Cultural Management

9 credits of Manufacturing and Supply Chain courses from the following:

MGSC 615	(3)	Procurement and Distribution
MGSC 617	(3)	Product Design

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)

BUSA 666	(5)	The Practice of Management
BUSA 668	(5)	The Venture
BUSA 670	(5)	Managing Organizations
BUSA 672	(3)	Managerial Exchange
BUSA 675	(5)	Managing Context
BUSA 680	(5)	Managing People
BUSA 685	(5)	Managing Change

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.

Required Courses (21 credits)

RETL 601	(3)	Foundations of Retailing
RETL 603	(3)	Retail Science and Data Analytics
RETL 611	(3)	360-Degree Customer Insight
RETL 613	(3)	Digital Retailing Models
RETL 615	(3)	Managing Retail Operations

RETL 617	(3)	Managing for Sustainability
RETL 625	(3)	Experiential Retail

Complementary Courses (24 credits)**Revision, June 2022. Start of revision.**

12-24 credits from:

RETL 621	(6)	Retail Internship
RETL 631	(3)	Digital Media Marketing
RETL 633	(3)	Data-Driven Retail Decisions
RETL 635	(3)	Creativity and Experiential Economy
RETL 637	(3)	Innovative Retail Technology
RETL 641	(3)	Fashion Retail Management
RETL 643	(3)	Fintech and Financial Services
RETL 645	(3)	Food Retail
RETL 651	(6)	Retail Practicum
RETL 652	(3)	Independent Study in Retail
RETL 661	(3)	Advanced Topics in Retail Management 1
RETL 662	(3)	Advanced Topics in Retail Management 2
RETL 663	(3)	Advanced Topics in Retail Management 3

Revision, June 2022. End of revision.**Revision, June 2022. Start of revision.**

0-12 credits from:

up to 12 credits of course from 600-level courses offered by Desautels Faculty of Management. Course choice must be approved by the Program Administrator/Program Adviser of the Master of Management in Retailing Non-Thesis program office.

Revision, June 2022. End of revision.

10.15 Joint Ph.D. in Management Admission Requirements and Application Procedures**About the Joint Ph.D. in Management**

Ph.D. Program Office
Desautels Faculty of Management
McGill University
1001 Sherbrooke Street West
Montreal QC H3A 1G5
Canada
Telephone: 514-398-4060
Fax: 514-398-3876
Email: phd.mgmt@mcgill.ca
Website: mcgill.ca/desautels/programs/phd

section 10.15.4: Doctor of Philosophy (Ph.D.) Management

The Ph.D. Program participates in the Joint Ph.D. Program that brings together the four Montreal universities: Concordia University, the *École des Hautes Études Commerciales* (affiliated with the *Université de Montréal*), McGill University, and the *Université de Québec à Montréal*. The Ph.D. program in Management is intended to educate competent researchers and to stimulate research on management issues.

The program represents a number of innovations in doctoral work in the field of management. First, by cooperating, the four universities are able to make available to the program's students a diverse pool of approximately 520 professors qualified to direct doctoral-level study and research. Second, the program has been carefully developed to encourage independent, creative work on the part of its students, with close, personal contact with the professors. This program will appeal especially to the mature, experienced candidate with relatively well-defined interests. Across the four member universities, some courses are offered in English and some in French (all papers may, however, be written in English or French).

The program places considerable emphasis on the theoretical foundations of management and its underlying disciplines. Graduates of the program are expected to have: (1) some knowledge of all the main areas of management, (2) a thorough knowledge of one applied area of management, and one support discipline, (3) a complete command of the research methodologies used in management, and (4) some familiarity with modern theories and methods of the pedagogy of management.

The program consists of three phases: preparation, specialization, and dissertation.

Preparation – Phase I

Before entering the program, the student will have selected the area of specialization from the following areas/options:

- Accounting
- Finance
- Information Systems
- Marketing
- Operations Management
- Organizational Behaviour
- Retail Management
- Strategy and Organization

Specialization – Phase II

In Phase II, students probe deeply into their chosen area of specialization. With their Phase II Advisory Committee, students work out an individual program of study, which takes about 18 - 24 months. The phase focuses on a specialization area and a support field. The specialization area could be one of the basic ones listed in Phase I (for example, marketing or operations management), a sub-area within one of these (such as organizational development within organizational behaviour), or an interdisciplinary area that combines two or more of these (such as behaviour aspects of accounting or international marketing).

The support field is selected to help the student develop a foundation of knowledge in a fundamental discipline that underlies the theory in management. For example, a student in marketing might select psychology, sociology, or statistics. One in management policy might select political science or general systems theory, or perhaps even philosophy. Other choices are possible.

Students officially enter Phase II of the program when their Phase II Advisory Committee has been established and, together with the student, formally agrees on a proposal for the work to be done in Phase II. The Phase II Form (Advisory Committee) must be approved by the McGill and the Joint Doctoral Committees. This includes the following:

- Doctoral seminars in the specialization area; minimum four courses
- Any other existing graduate-level courses in the specialization area and support field deemed appropriate by the Phase II Advisory Committee; minimum two courses in support field
- Seminar on Research Methodology (MGMT 707, 3 credits) or equivalent approved graduate-level course
- Seminar in Pedagogy (MGMT 706, 3 credits) or Teaching and Learning in Higher Education (EDPH 689, 3 credits)
- Comprehensive Examination (MGMT 701, 0 credits)
- A publishable research paper (MGMT 720, 3 credits)

The Phase II Advisory Committee will normally consist of at least three members; a supervisor and others decided upon jointly by the supervisor and the student. One of these members will typically come from the support field. Every student's Phase II Advisory Committee must have representation from at least two universities in the joint program.

Dissertation – Phase III

In the third phase of the program, students research, write, and defend a dissertation that probes deeply into a well-defined research topic. The topic is developed with the Phase III Advisory Committee (at least three members), which may be the same as the Phase II Advisory Committee or may be reconstituted, again with representation from at least one of the other participating universities. The topic is approved formally by the Phase III Advisory Committee and, once the research is completed and the dissertation written, the student publicly defends the completed thesis. The Phase III Form (Phase III Advisory Committee) must be approved by the McGill and the Joint Doctoral Committees.

10.15.1 Admission Requirements

Candidates normally hold a master's-level degree, with a strong academic record from a recognized university.

GMAT (or *GRE*–General Test) results are required for all applications to the doctoral program; this includes McGill master's students applying to the Ph.D. The minimum *GMAT* (or *GRE*–General Test) score required is 70% equivalency. Tests must have been written within the past five years.

Applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English. Before acceptance, appropriate exam results must be submitted directly from the *TOEFL* (Test

of English as a Foreign Language) or [IELTS](#) (International English Language Testing Systems) Office. Applications will not be considered if a TOEFL or IELTS test result is not available. A minimum score of 100 for the Internet-based test, with each component score not less than 20, is required for admission. A minimum score of 7 for IELTS is required. Tests must have been written within the past two years.

Files will not be considered unless GMAT (or GRE-General Test) and TOEFL scores are received by the Application Deadline.

10.15.2 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.

10.15.2.1 Additional Requirements

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

- GMAT (or GRE-General Test) written within the past 5 years
- Responses to Personal Statement questions
- Curriculum Vitae

For more information, consult the Desautels Faculty of Management's [website](#).

10.15.3 Application Dates and Deadlines

For application dates and deadlines, please consult the following website: mcgill.ca/desautels/programs/phd/admissions/deadline.

10.15.4 Doctor of Philosophy (Ph.D.) Management

Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. 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)

EDPH 689	(3)	Teaching and Learning in Higher Education
MGMT 701	(0)	Comprehensive Examination
MGMT 707	(3)	Research Methodology
MGMT 720	(3)	Research Paper

Complementary Courses (18 credits)

12 credits of specialization courses

6 credits in the support field

10.15.5 Doctor of Philosophy (Ph.D.) Management: Environment

The new Environment Option provides students with an appreciation of the role of science in informing decision-making in the environment sector, and the influence that political, socioeconomic and ethical judgments have. The option also provides a forum whereby graduate students bring their disciplinary perspectives together and enrich each other's learning through structured courses, formal seminars, and informal discussions and networking. Students who have been admitted through their home department or faculty may apply for admission to the option. Option requirements are consistent across academic units. The option is coordinated by the MSE, in partnership with participating academic units.

Thesis

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)

EDPH 689	(3)	Teaching and Learning in Higher Education
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
MGMT 701	(0)	Comprehensive Examination
MGMT 707	(3)	Research Methodology
MGMT 720	(3)	Research Paper

Complementary Courses (15 credits)

12 credits of courses/seminars at the 500-level or higher in the student's management specialization area in consultation with student's advisory committee.

3 credits chosen from the following list:

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.

10.16 Post-M.B.A. Graduate Certificates Admission Requirements and Application Procedures

About the Post-M.B.A. Graduate Certificate

The graduate certificate meets the needs of two groups of professional managers:

1. managers who graduated from an M.B.A. program several years ago and would like to take a series of courses to update their skills; and
2. managers who graduated from an M.B.A. program recently and who would like to broaden the base of their education with a selection of courses that complement their major field of studies.

The graduate certificate may be taken on a full-time or part-time basis.

The entrance requirement is an M.B.A. degree from a recognized university with a CGPA that meets the minimum requirements of Graduate and Postdoctoral Studies. Two official transcripts of grades and degree confirmations from all universities attended are required. These include universities attended on exchange or as visiting students. For international applicants, the academic records and verifying degree conferrals must be submitted in the original language with official translations, listing courses and grades for each year of study. These documents must bear the actual signature of the registrar and the official seal or stamp of the institution.

About the Post-M.B.A. Japan Graduate Certificate

For more information, please refer to mcgillmbajapan.com/admissions/post-mba-certificate-apply.

section 10.16.4: Graduate Certificate (Gr. Cert.) Post MBA (15 credits)

This program is no longer accepting new students.

section 10.16.5: Graduate Certificate (Gr. Cert.) Post MBA Japan (15 credits)

For more information, please click on the above link.

10.16.1 Admission Requirements

- Graduate Certificate Post-M.B.A.: Graduate Management Admission Test (GMAT).

A TOEFL test is also required to determine the English proficiency of applicants whose mother tongue is not English. Applicants are additionally expected to have completed two years of full-time work experience before submitting their application to the Post-M.B.A. program.

For more information visit our website at mcgill.ca/desautels/programs or call the Master Programs Office at 514-398-4066.

- Graduate Certificate Post-M.B.A. Japan: For more information, please refer to mcgillmbajapan.com/admissions/post-mba-certificate-apply.

10.16.2 Application Procedures

- Graduate Certificate Post-M.B.A.: This program is no longer accepting new students.
- Graduate Certificate Post-M.B.A. Japan: For more information, please refer to mcgillmbajapan.com/admissions/post-mba-certificate-apply.

10.16.3 Application Dates and Deadlines

- Graduate Certificate Post-M.B.A.: This program is no longer accepting new students.
- Graduate Certificate Post-M.B.A. Japan: For more information, please refer to mcgillmbajapan.com/admissions/post-mba-certificate-apply.

10.16.4 Graduate Certificate (Gr. Cert.) Post MBA (15 credits)

This program is no longer accepting new students.

Required Courses

15 credits of M.B.A. courses.

10.16.5 Graduate Certificate (Gr. Cert.) Post MBA Japan (15 credits)

Required Courses

15 credits of M.B.A./Japan courses.

10.17 Graduate Certificate in Healthcare Management Admission Requirements and Applications Procedures

About the Graduate Certificate in Healthcare Management

The Graduate Certificate in Healthcare Management (GCHM) is a joint initiative between the *Faculty of Medicine and Health Sciences* and the *Desautels Faculty of Management*. The program focuses on a range of managerial skills to positively impact the quality, efficiency, and fiscal responsibility of health care delivery. This includes: leading transformation, financial management and analysis, leading and managing people, conflict resolutions and negotiations, process analysis in health care settings, managing and improving quality in health care systems, and health management.

The program will be supported through readings, individual and group assignments, and workshops. Each student will also participate in an experiential (CAPSTONE) project throughout the certificate program, which serves to reinforce the material presented in each course, under the guidance of a unique mentor. The topic of the project could take the form of a business plan, quality improvement project, or position paper on a topic related to the learning in the program.

The GCHM is a 9-month, 15-credit graduate program which takes place entirely online over 4 modules. These 15 graduate credits can be brought forward for Advanced Standing in the *International Masters for Health Leadership program at McGill*.

10.17.1 Admission Requirements and Applications Procedures

For more information, please refer to mcgill.ca/desautels/programs/gchm/admissions.

section 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.

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.

10.17.1.1 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 financial information in a global business environment.

The GCPA program is intended to allow students to develop professional skills that will be recognized nationally and internationally. The program focuses on the acquisition and integration of in-depth specialized knowledge in fields in which engagements are likely to be entrusted to CPAs. More specifically, the objective of the Graduate Certificate is to develop the technical and enabling skills outlined by CPA Canada and needed for the exercise of professional

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 GCPA program.

Option 1:

Applicants who complete a Canadian Bachelor of Commerce program must complete the following courses, or their equivalents, with minimum grades of B-:

- ACCT 351 Intermediate Financial Accounting 1
- ACCT 352 Intermediate Financial Accounting 2
- ACCT 361 Management Accounting
- ACCT 362 Cost Accounting
- ACCT 385 Principles of Taxation
- ACCT 453 Advanced Financial Accounting
- ACCT 463 Management Control
- ACCT 475 Principles of Auditing
- ACCT 486 Business Taxation 2
- BUSA 364 Business Law 1
- FINE 342 Corporate Finance

Applicants must also meet the requirements outlined by *L'Ordre des comptables professionnels agréés du Québec* (OCPAQ) for the university where they obtained their undergraduate degree. Applicants who obtained their undergraduate degree in a different province must also verify the requirements outlined by the CPA Order of that province.

Option 2:

Graduates of programs other than a Canadian Bachelor of Commerce, or graduates with foreign degrees must complete the : *Diploma (Dip.) Accounting (30 credits)* at the *School of Continuing Studies* and complete additional courses as necessary to satisfy the following 14 prerequisite courses, with minimum grades of B-.

- CCFC 511 Financial Accounting 1
- CCFC 512 Financial Accounting 2
- CCFC 513 Financial Accounting 3
- CCMA 511 Managerial Accounting 1
- CCMA 522 Managerial Accounting 2
- CCMA 523 Managerial Accounting 3
- CCAU 511 Auditing 1
- CCTX 511 Taxation 1
- CCTX 532 Taxation 2
- CFIN 512 Corporate Finance
- CCLW 511 Law 1
- CFIN 522 Applied Topics: Corporate Finance
- CMIS 541 Information Systems for Managers
- CPL2 552 Strategic Management

For more information, you may contact the School of Continuing Studies directly:

- 688 Sherbrooke Street West, 11th floor
- Telephone: 514-398-6200
- Email: info.conted@mcgill.ca
- Website: mcgill.ca/continuingstudies

10.18.2 Application Procedures

Online applications for the GCPA program can be submitted through McGill's *uApply*. For details please visit *Ready to apply?*

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 (OCPAQ). The program prepares students for a career as a professional accountant and to write the national CPA Common Final Exams. It allows students to develop professional skills that will be recognized nationally and internationally. Students are exposed to the latest concepts and practice related issues and have the choice of studying in the areas of public accounting (assurance), performance measurement, taxation, or financial business analysis.

Prerequisite Courses for Canadian B.Com. Students (33 credits)

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
ACCT 486	(3)	Business Taxation 2
BUSA 364	(3)	Business Law 1
FINE 342	(3)	Corporate Finance

Prerequisite Courses for Diploma in Accounting Students (42 credits)

CCAU 511	(3)	Auditing 1
CCFC 511	(3)	Financial Accounting 1
CCFC 512	(3)	Financial Accounting 2
CCFC 513	(3)	Financial Accounting 3
CCLW 511	(3)	Law 1
CCMA 511	(3)	Managerial Accounting 1
CCMA 522	(3)	Managerial Accounting 2
CCMA 523	(3)	Managerial Accounting 3
CCTX 511	(3)	Taxation 1
CCTX 532	(3)	Taxation 2
CFIN 512	(3)	Corporate Finance
CFIN 522	(3)	Applied Topics: Corporate Finance
CMIS 541	(3)	Information Systems for Managers
CPL2 552	(3)	Strategic Management

Required Courses (16 credits)

ACCT 653	(3)	Issues in Professional Accounting 1
ACCT 654	(3)	Issues in Professional Accounting 2
ACCT 663	(3)	Strategic Aspects of Accounting 1
ACCT 664	(3)	Strategic Aspects of Accounting 2
ACCT 695	(4)	Integrative Analysis

Complementary Courses (8 credits)

8 credits from the following:

ACCT 683	(4)	Practice of Taxation
ACCT 687	(4)	Assurance Services
ACCT 689	(4)	Financial Business Analysis
ACCT 699	(0)	Exam Preparation Seminar

10.19 Desautels Faculty of Management Academic Staff

Dean

Yolande Chan

Vice-Deans

Anthony 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

D. Andrei; A. Animesh; P. Augustin; L. Barras; G. Bassellier; S. Betermier; F. Carrieri; L. Cohen; B. Croitoru; A. de Motta; J. Ericsson; H. Etemad; D. Etzion; J.-P. Ferguson; R. Galperin; A. Ghosh; R. Goyenko; D.H. Han; K. Han; P. Hewlin; M-S. Jo; L. Lapointe; Y. Ma; A. Mukherjee; P. Perez-Aleman; W. Qi; B. Rubineau; E. Sarigöllü; S. Sarkissian; D. Schumacher; J. Serpa; H. Tan; D. Tsang; D. Vakratsas; M. Yalovsky; J. Zhang.

Assistant Professors

K. An; P. Beaumont; D. Dakhllallah; 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. Gialloredo; 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. Sidhidet; B. Smith; M. Sonberg; A. Taherizadeh; S. Tanguay; C. Westgate; A. White; G. Zabowski; G. Zavosh.

11 Faculty of Medicine and Health Sciences

11.1 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

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

11.2.3 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.

11.3 Important Dates

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

11.4 Graduate Studies at a Glance

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

11.5 Program Requirements

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

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

11.6 Graduate Admissions and Application Procedures

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

- Application for Admission

- 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 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.

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. 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.”

11.8.5 Postdoctoral Research Trainees

Eligibility

If your situation does not conform to the Government of Quebec's definition of a Postdoctoral Fellow, you may be eligible to attend McGill as a Postdoctoral Research Trainee. While at McGill, you can perform research only (you may not register for courses or engage in clinical practice). Medical specialists who will have clinical exposure and require a training card must register through Postgraduate Medical Education of the Faculty of Medicine and Health Sciences—not Graduate and Postdoctoral Studies.

The category of Postdoctoral Research Trainee is for:

Category 1: An individual who has completed requirements for the Doctoral degree or medical specialty, but whose degree/certification has not yet been awarded. An individual in this category will subsequently be eligible for registration as a Postdoctoral Fellow.

Category 2: An individual who is not eligible for Postdoctoral Registration according to the Government of Quebec's definition, but is a recipient of an external postdoctoral award from a recognized Canadian funding agency.

Category 3: An individual who holds a professional degree (or equivalent) in a regulated health profession (as defined under CIHR-eligible health profession) and is enrolled in a program of postgraduate medical education at another institution. This individual wishes to conduct the research stage or elective component of their program of study at McGill University under the supervision of a McGill professor. This individual will be engaged in full-time research with well-defined objectives, responsibilities, and methods of reporting. Applications must be accompanied by a letter of permission from the applicant's home institution (signed by the Department Chair, Dean, or equivalent) confirming registration in their program and stating the expected duration of the research stage. Individuals who are expecting to spend more than one year are encouraged to obtain formal training (master's or Ph.D.) through application to a relevant graduate program.

Category 4: An individual with a regulated health professional degree (as defined under CIHR-eligible health profession), but not a Ph.D. or equivalent or medical specialty training, but who fulfils criteria for funding on a tri-council operating grant or by a CIHR fellowship (up to maximum of five years post-degree).



Note: Individuals who are not Canadian citizens or permanent residents must inquire about eligibility for a work permit.

General Conditions

- The maximum duration is three years
- The individual must be engaged in full-time research
- The individual must provide copies of official transcripts/diplomas
- The individual must have the approval of a McGill professor to supervise the research and of the Unit
- The individual must have adequate proficiency in English, but is not required to provide official proof of English competency to Enrolment Services
- The individual must comply with regulations and procedures governing research ethics and safety and obtain the necessary training
- The individual will be provided access to McGill libraries, email, and required training in research ethics and safety. Any other University services must be purchased (e.g., access to athletic facilities)

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

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.

11.12.1 Medicine

11.12.1.1 Location

Faculty of Medicine and Health Sciences
680 Sherbrooke West, Suite 1701
Montreal QC H3A 2M7
Canada
Website: mcgill.ca/medhealthsci/education/our-schools-1829-present/school-medicine

11.12.1.2 About the School of Medicine

The School of Medicine comprises several departments and divisions including the Undergraduate Medical Education (UGME), the Postgraduate Medical Education (PGME), and the Office for Continuing Professional Development (CPD). List of departments: mcgill.ca/medhealthsci/schools-departments

11.12.1.3 Medical Physics

11.12.1.3.1 Location

Medical Physics Unit, DS1-4556
McGill University Health Centre – Glen Site
Cedars Cancer Centre
1001 Décarie Boulevard
Montreal QC H4A 3J1
Telephone: 514-934-1934 ext. 44158
Fax: 514-934-8229
Email: margery.knewstubb@mcgill.ca
Website: mcgill.ca/medphys

11.12.1.3.2 About Medical Physics

The Medical Physics Unit is a teaching and research unit focusing on the role that physics and its related sciences plays in medicine and cancer research, especially (but not exclusively) in radiation medicine; i.e., radiation oncology, medical imaging, and nuclear medicine. The Unit offers a graduate diploma and an M.Sc. in Medical Radiation Physics. Facilities are available for students to undertake a Ph.D. in Physics administered through the Department of Physics, or a Ph.D. in Biological and Biomedical Engineering administered through the Departments of Biomedical Engineering and Bioengineering, each with a research emphasis on medical physics. These graduate programs are supervised, funded, and hosted by Medical Physics Unit PIs (principal investigators).

The research interests of Unit members include various topics related to the application of physics methods to medicine:

- 3D and 4D imaging, the development of new imaging modalities, and applications of imaging in radiation therapy;
- radiation physics and computational & experimental dosimetry;
- AI and machine learning applications to medical imaging, radiation therapy, and health informatics;
- applications of nano-sciences to medical imaging and therapy;
- numerical modelling of fundamental interactions of radiation with living cells;
- metabolic and functional imaging using radio-nuclides and MRI;
- applications of radiation biology to therapy and radiation protection.

Graduate students are part of the *Medical Physics Research Training Network* (MPRTN) supported by the *Collaborative Research Education Training Experience* (CREATE) of the Natural Sciences & Engineering Research Council (NSERC).

The M.Sc. and Ph.D. programs in Medical Physics are accredited by the Commission on Accreditation of Medical Physics Education Programs, Inc., sponsored by the *American Association of Physicists in Medicine* (AAPM), the *American College of Radiology* (ACR), the *American Society for Radiation Oncology* (ASTRO), the *Canadian Organization of Medical Physicists* (COMP), and the *Radiological Society of North America* (RSNA).

section 11.12.1.3.5: Master of Science (M.Sc.) Medical Radiation Physics (Thesis) (45 credits)

This two-year program provides a comprehensive introduction to the academic, research, and practical aspects of physics applied to radiation medicine. Students may go on to careers in clinical service as medical physicists in research-oriented hospital settings after clinical residency training; may consider development careers in industry in radiation therapy, diagnostic radiology, or nuclear medicine or nuclear energy; in governmental organizations as radiation safety experts, etc.; or pursue academic careers in university, industry, or government organizations. Our graduate programs are accredited by *CAMPEP* (Commission for Accreditation of Medical Physics Education Programs). Medical physicists must go through CAMPEP training (M.Sc. or Ph.D., followed by a residency training) to be eligible to sit certification exams. Certification is becoming a mandatory requirement for eligibility to practise in a clinical environment. The McGill M.Sc. program is research oriented, which has the additional advantage that the roads toward a Ph.D., followed by academic, industry, or clinical careers, are wide open. The practical and laboratory sections of the program are conducted in various McGill teaching hospitals.

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 available on the [Medical Physics Unit website](#).

Only complete applications will be considered.



Note: When completing the online application, the following information should be entered in the "Application" section to ensure that the application is routed to the correct department:

Under Program choice:

"Application type" = Degree, certificate, or diploma

"Term" = Fall 2022

"Department" = Medical Physics Unit

"Program" = Graduate Diploma (Med Radiation Physics)

"Area of study" = Medical Radiation Physics-T

"Status" = Full Time

Under Additional Questions:

Please indicate source(s) of funding to cover tuition & student fees + living expenses while studying at McGill University.

Supporting Documents: All supporting documentation must be uploaded to the online application; any documents sent by mail will be considered unofficial and missing from the application. For detailed instructions on how to upload required supporting documents, please see mcgill.ca/gradapplicants/apply/ready.

Transcripts: All transcripts and degree certificates in a language other than English or French must be uploaded to the application in both the original language version and also in an officially certified English or French language version. If the applicant is accepted, original documents must be presented to the University prior to registration. The grading scale must also be viewable.

English Language Proficiency: Applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in English by submitting a *TOEFL* iBT or *IELTS* test score. The original test report must be sent electronically by the testing centre to McGill University; to ensure successful transmission, the student's name given to the testing centre must be identical to the name used for the McGill online application, otherwise the electronic result will not be applied to the McGill application.



Note: McGill institution code = 0935; Medical Physics Unit = 99 (department not listed).

The test must have been taken within the two years prior to date of application review, i.e., not prior to January 1, 2020 for a graduate application to McGill for Fall 2022. Applicants from some countries are exempt from providing evidence of English language proficiency. For more information, see mcgill.ca/gradapplicants/international/proficiency.

Reference Letters: In order for referees to receive an automated email with instructions to upload their recommendation, applicants must include referees' institutional email addresses in the online application; Gmail, Yahoo, etc. email addresses will not be accepted.

11.12.1.3.3.2.1 Additional Requirements

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

- GRE is not required for the Medical Physics M.Sc. program.

- Applicants must either complete the “Applicant Statement” portion of the online application, or alternatively, may submit a one-page Personal Statement.
- Applicants are requested to provide information regarding expected funding, etc., under "Additional Questions".

11.12.1333 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Medical Physics Unit and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program.

Admissions to the M.Sc. and Graduate Diploma programs are open for the Fall term (beginning in September) only. Applications must be **completed** by January 15 to be considered for the following Fall term, i.e., online application submitted and all required documents uploaded.

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:	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.

11.12.134 Medical Physics Faculty

Director

J. Seuntjens (*on leave 2021-2022*); Co-Directors: S. Enger, J. Kildea, I. Levesque

Co-Directors

S. Enger, J. Kildea, I. Levesque

Emeritus Professors

S.M. Lehnert, E.B. Podgorsak

Professors

D. Louis Collins, J. Seuntjens

Associate Professors

D. Louis Collins, S. Enger, J. Seuntjens

Assistant Professors

S. Devic, M.D.C. Evans, J. Kildea, I. Levesque, W. Parker, P. Pater, H.J. Patrocinio, E. Poon, M. Popovic, G. Stroian, P.G. Watson, N. Ybarra

Faculty Lecturers

L. Archambault, K. Asiev, H. Bekerat, T. Connell, C. Furstoss, A. Gauvin, D. Guillet, G. Hegyi, L. Liang, R. Ruo, M. Serban, N. Tomic

Affiliate Members

S. Darvasi, C. Furstoss, A. Gauvin, D. Guillet, G. Hegyi, L. Liang, E. Poon, R. Richardson, R. Ruo, M. Serban, N. Tomic

Adjunct Professors

F. DeBlois, I. El Naqa, C. Janicki, B. Mofteh, G.B. Pike, J. Renaud, R. Richardson, A. Sarfehnia, E. Soisson

11.12.135 Master of Science (M.Sc.) Medical Radiation Physics (Thesis) (45 credits)

The M.Sc. program in Medical Radiation Physics provides candidates with the knowledge required to enter into the field of medical physics. The program relies on a strong fundamental science background and enables candidates to undergo further training through a clinical residency program or to further advanced graduate studies in medical physics through a Ph.D. degree. Graduates from the program typically find employment in clinical settings, academia, industry, or governmental research and regulatory agencies. The program is accredited by the Commission for Accreditation of Medical Physics Education Programs (CAMPEP).

Thesis Courses (18 credits)

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

11.12.1.3.6 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 required to enter into the field of medical physics. The program relies on a strong fundamental science background. The graduate diploma program is accredited by the Commission for Accreditation of Medical Physics Education Programs (CAMPEP) only for students holding a Ph.D. degree.

Required Courses (30 credits)

* Or an equivalent course, at the 500-level or higher, as deemed appropriate by the Graduate Program Director.

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
PHIL 643*	(3)	Seminar: Medical Ethics

11.12.1.4 Medicine, Experimental**11.12.1.4.1 Location**

Division of Experimental Medicine
Department of Medicine
1001 Decarie Boulevard
Montreal QC H4A 3J1
Canada
Telephone: 514-934-1934, ext. 34699 or 34700 or 36465

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 individual basis. The objectives of this research-stream program are to allow students to conduct innovative research in relation to a bioethical issue pertinent to health care, and to acquire a working knowledge of bioethical issues from the current viewpoint of other relevant disciplines such as law, philosophy, and religious studies.

The curriculum is composed of required courses (6 credits) offered in the Biomedical Ethics Unit, Bioethics courses (6-credit minimum) offered by the base faculty or department, and any graduate course required or accepted by a base faculty for the granting of a master's degree, for a total of 21 credits. A minimum of 45 credits is required including the thesis. The research culminates in the preparation of a thesis.

section 11.12.1.4.7: Master of Science (M.Sc.) Experimental Medicine (Thesis): Digital Health Innovation (45 credits)

The M.Sc. in Experimental Medicine; Digital Health Innovation focuses on the basics of clinical epidemiology, medical artificial intelligence, clinical 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.

section 11.12.1.4.8: Master of Science (M.Sc.) Experimental Medicine (Thesis): Environment (45 credits)

Applicants for the M.Sc. Environment Option must meet the requirements for the M.Sc. in Experimental Medicine as well as those set out by the Bieler School of Environment (BSE) for their graduate option. Acceptance into the option will be based on a student's academic experience and performance; availability of an BSE-accredited supervisor or co-supervisor; the proposed research; and plans for funding as articulated by the supervisor(s). The Environment Option is aimed at students who wish to use interdisciplinary approaches in their graduate research on environmental issues, and who wish to benefit from interactions that will occur as they are brought into contact with students from a wide range of disciplines through structured courses, formal seminars, and informal discussions and networking. The 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.

section 11.12.1.4.9: Doctor of Philosophy (Ph.D.) Experimental Medicine

Applicants for the Ph.D. in Experimental Medicine must normally hold an M.Sc. degree. The one exception is the possibility of direct entry offered to candidates having demonstrated academic excellence, i.e., a CGPA of 3.5 or more out of a possible 4.0 throughout their undergraduate studies. The training is in the conduct of research in a wide range of medical specialties. The method of instruction consists of a combination of in-class and practical training, as well as exposure to international conferences and guest seminars. Success is ultimately determined by the preparation and defence of a thesis. This program may lead to research careers in industry, government, or academia.

section 11.12.1.4.10: Doctor of Philosophy (Ph.D.) Experimental Medicine: Environment

Applicants to the Ph.D. Environment Option must meet the same qualifications as those for the M.Sc. Environment Option, the only difference being that they must hold an M.Sc. rather than simply a B.Sc. For further details, please see the section above regarding the M.Sc. Environment Option.

section 11.12.1.4.11: Graduate Certificate (Gr. Cert.) Regenerative Medicine (15 credits)

The Graduate Certificate in Regenerative Medicine focuses on the biology of stem cells, their uses in diagnostic and therapeutic applications, the practicalities of generating them, and using and modifying them for clinical translation. Students explore of the combination of stem cell-based model systems for drug discovery and disease modelling as well as the ethical implications of their use.

section 11.12.1.4.12: Graduate Diploma (Gr. Dip.) Clinical Research (30 credits)

The objectives of this program are to give students exposure to both theoretical and practical issues relevant to the conception and conduct of a clinical research study, as well as allowing them to put these principles in practice by participating in an ongoing clinical trial. The core element of the diploma is the Practicum in Clinical Research. It is an active “clerkship” or “intern/resident-type” participation in an ongoing clinical trial and/or research program. Six 1-credit workshops will be provided by experts in the academic, industrial, and government sectors, and cover wide-ranging issues pertinent to the conduct of clinical research. The training provided qualifies students to manage and design clinical research studies in both academic and industrial settings.

11.12.1.4.3 Medicine, Experimental Admission Requirements and Application Procedures**11.12.1.4.3.1 Admission Requirements****M.Sc. or Ph.D. in Experimental Medicine**

Candidates who hold only an undergraduate degree in the medical and allied sciences (B.Sc. degree or an M.D. degree), must apply to the M.Sc. program, unless they have an undergraduate CGPA of 3.5 or more out of a possible 4.0, in which case they may apply for direct entry into the Ph.D. if they so desire. Candidates who already hold an M.Sc. apply directly to the Ph.D. program.

Admission is based on an evaluation by the Admissions Committee, which looks for evidence of high academic achievement, and on acceptance by a research director. All students must be financially supported either by their supervisor or through studentships or fellowships.

In addition to the documentation currently required by Graduate and Postdoctoral Studies, the student must submit a Research Project Proposal Form, a 1-2 page document outlining the M.Sc. or Ph.D. project.

M.Sc. (Bioethics Option)

Admission to the master's program in Bioethics, from the base discipline of Medicine, is limited to students having degrees in Medicine, Nursing, or Physical and Occupational Therapy, as well as any other professional health training degree. Students who do not fit these criteria may be considered for admission on an individual basis.

For requirements, application deadlines, and further information regarding this program, please refer to the Bioethics entry or visit the [Biomedical Ethics Unit website](#).

M.Sc. or Ph.D. (Environment Option)

Although the requirements and application deadlines remain the same as the M.Sc. and Ph.D., applicants wishing to apply to the Environment Option must submit additional documents that constitute their application to **both** the Division of Experimental Medicine and the Bieler School of Environment. Further information can be found on the mcgill.ca/environment/envroption.

Students in the M.Sc. in Experimental Medicine may choose to transfer to the Environment Option; interested students should refer to the departmental website or contact the Student Affairs Office.

Graduate Certificate in Regenerative Medicine

Applicants for the Graduate Certificate in Regenerative Medicine must hold a B.Sc. degree. Applicants must have completed with success the following courses: BIOL 200 (Molecular Biology), BIOL 202 (Basic Genetics), CHEM 212 (Introduction to Organic Chemistry), their equivalent, or permission of the coordinator.

Graduate Diploma in Clinical Research

The Diploma program is open to health care and research professionals, medical residents, pharmacists, nurses, and those with an undergraduate degree in the medical and allied sciences.

11.12.1.4.3.2 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. Further information is also available on the [Experimental Medicine website](#).

11.12.1.4.3.2.1 Additional Requirements

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

M.Sc. and Ph.D. in Experimental Medicine

- Personal Statement

- Curriculum Vitae
- Acceptance by a research director (*Confirmation of Supervision* form duly completed)
- Research Project Proposal form, a 1-2 page document outlining the M.Sc. or Ph.D. research project
- Additional documents (in the cases of the M.Sc. (Bioethics Option) and the M.Sc. or Ph.D. (Environment Option))

11.12.14.33 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Division of Experimental Medicine and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program.

All Programs (except Bioethics Option)				
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	April 15	June 15	June 15
Winter Term:	Feb. 15	Sept. 1	Nov. 1	Nov. 1
Summer Term:	N/A	N/A	N/A	N/A

M.Sc. (Bioethics Option)				
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	April 15	April 15	April 15
Winter Term:	N/A	N/A	N/A	N/A
Summer Term:	N/A	N/A	N/A	N/A

11.12.14.4 Medicine, Experimental Faculty

Chair, Department of Medicine

M. Rodger

Director, Division of Experimental Medicine

A.-M. Lauzon

Associate Director, Division of Experimental Medicine

E. Fixman

Professors

M. Alaoui-Jamali; S. Ali; C. Autexier; S. Bartlett; A. Bateman; G. Batist; M. Behr; S. Bernatsky; V. Blank; J. Bourbeau; A. Cybulsky; K. Dasgupta; G. Di Battista; M. Divangahi; V. Essebag; I.G. Fantus; M. Friedrich; A. Fuks; A. Gagnon; J. Genest Jr.; M. Goldberg; D. Goltzman; S.A. Grover; L.J. Hoffer; S. Hussain; B. Jean-Claude; A.C. Karaplis; R. Kremer; S. Laporte; A. M. Lauzon; J.-J. Lebrun; S. Lehoux; C. Liang; M.S. Ludwig; S. Magder; D. Malo; A. J. Marelli; J. Martin; N. Mayo; W.H. Miller; J. Morais; A. Moulard; W.J. Muller; M. Murshed; A. Nepveu; T. Nilsson; M. Olivier; L. Panasci; K. Pantopoulos; M. Park; B.J. Petrof; L. Pilote; M.N. Pollak; S. Rabbani; D. Radzioch; J. Rauch; S. Richard; J.-P. Routy; D. Sasseville; E. Schiffrin; E. Schurr; A. Schwertani; D. Sheppard; P. Siegel; A.D. Sniderman; M.M. Stevenson; T. Takano; R. Tamblin; M. Trifiro; C. Tsoukas; B.J. Ward; J. White; S. Wing; X.-J. Yang.

Associate Professors

W. Afif; J. Afilalo; A. Alam; C. Baglolle; D. Baran; N. Bernard; M. Blostein; P. Brassard; L. Chalifour; I. Colmegna; C. Costiniuk; D. Cournoyer; D. Da Costa; S. Daskalopoulou; N. Dendukuri; C. Ells; J.C. Engert; E. Fixman; N.S. Giannetti; B. Gilfix; S.B. Gottfried; M. Hudson; T. Jagoe; N. Johnson; M. Kaminska; M. Kokoeva; A. Kristof; P. Laneuville; T.C. Lee; S. Lemay; R. Lin; M. Lipman; J.-L. Liu; E.G. McDonald; S. Morin; M. Ndao; D. Nguyen; N. Pai; S. Pamidi; A.C. Peterson; S. Qureshi; E. Rahme; C. Rocheleau; S. Rousseau; R. Sapir-Pichhadze; M. Sebag; G. Sebastiani; C. Séguin; M. Sewitch; A. Sharma; R. Sladek; B. M. Smith; G. Thanassoulis; E. Torban; B. Turcotte; E. Vinet; D.C. Vinh.

Assistant Professors

R. Aloyz; I. Azuelos; A. Baass; A. Bessissow; Y. Chen; N. Dayan; J. Ding; N. Ezer; G. Fonseca; I. Fortier M. Goldfarb; C. Jack; I. Litvinov; T. Mavranakas; F. Mercier; E. Netchiporouk; M. Paliouras; T. Peters.

Associate Members, McGill

B. Abdulkarim; H. Abenhaim; M. Abrahamowicz; S. Ahmed; G. Altit; M. Basik; M. Ben-Shoshan; M. Bouchard; P. Brodt; K. Brown; D. Buckeridge; S. Burgos; F. Carnevale; I. Cestari; S. Chevalier; H. Clarke; T. Coderre; S. del Rincon; L. Diatchenko; T. Duchaine; D. Dufort; K. Eppert; M. Fabian; L. Ferri; R. Forghani; P. Friesen; V. Giguere; P. Goodyer; W. Gotlieb; C. Goudie; I. Gupta; A. Haidar; T. Hebert; M. Hunt; N. Jabado; A. Jahani Asl; D. Juncker; M. Kaartinen; A. Khoutorsky; J. Kimmelman; N. King; A. Koromilas; D. Labbé; L. Lands; J. Lapointe; C. Loiselle; F. Lopes; M.E. Macdonald; C. Mandato; K. Mann; M. O. Martel; P. Martineau; B. Mazer; L. McCaffrey; C. McCusker; C. Moraes; T. Muanza; M. Nagano; C. O'Flaherty; A. Orthwein; A. Philip; C. Piccirillo; C. Polychronakos; S. Prakash; D.F. Quail; J. Rak; S. Robbins; A. Rose; G. Rouleau; A. Ryan; G. Sant'Anna; D. Senger; W. Shalish; R. Slim; J. Spicer; I. Topisirovic; M. Tremblay; J. Ursini-Siegel; J. Van Raamsdonk; M. Witcher; J.-H. Wu; S. Wurzba; N. Ybarra; M. Zawati; G. Zogopoulos.

Adjunct Professors

M. Cayouette; F. Charron; E. Cohen; J.M. Di Noia; J. Drouin; J. Estall; M. Ferron; N. Francis; H. Gu; Q.A. Hamid; D. Hipfner; P. Jolicoeur; A. Kania; M. Kmita; E. Lecuyer; M. Malleshaiah; T. Moroy; M. Oeffinger; R. Rabasa-Lhoret; E. Racine; F. Robert; N. Seidah; W.-K. Suh; H. Takahashi; M. Trudel; J. Vacher; A. Veillette.

11.12.14.5 Master of Science (M.Sc.) Experimental Medicine (Thesis) (45 credits)

The overall objective of this program is to train students in the in-depth analysis of fundamental, translational and/or clinical research.

Students perform studies at diverse levels, from molecular, cellular, and tissue to whole animal, human, and population in order to elucidate mechanisms behind human diseases, leading to drug discovery. Students are trained to perform research in both academic and industrial settings.

Thesis Courses (36 credits)

EXMD 690	(3)	Master's Thesis Research 1
EXMD 692	(9)	Master's Thesis Research 3
EXMD 693	(12)	Master's Thesis Research 4
EXMD 694	(12)	Master's Thesis Research 5

Complementary Courses (9 credits)

9 credits at the 500 level or higher.

Course choices should be made in consultation with research supervisor(s). Courses may be taken outside the department at the 500 level or higher in medical and allied sciences*.

* Note that some seminar, current topics and readings, and conference courses may not count towards your degree. Thus, students must obtain prior approval from the Division's Student Affairs Coordinator for courses at the 500 level or higher from other Allied Health Sciences departments.

11.12.14.6 Master of Science (M.Sc.) Experimental Medicine (Thesis): Bioethics (45 credits)

** This program will not be offered for 2022-2023. **

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 (6 credits)

BIOE 680	(3)	Bioethical Theory
BIOE 681	(3)	Bioethics Practicum

Complementary Courses (15 credits)

3 credits, one of the following:

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:

EPIB 600	(3)	Clinical Epidemiology
EXMD 600	(3)	Principles of Clinical Research

3 credits from the following:

EXMD 630	(3)	Developing Digital Innovations for Health Impact
EXSU 620	(3)	Surgical Innovation 1

Elective Courses (6 credits)

6 credits of courses at the 500 level or higher approved by the Director.

11.12.14.8 Master of Science (M.Sc.) Experimental Medicine (Thesis): Environment (45 credits)

** This program will not be offered for 2022-2023. **

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

Thesis Courses (27 credits)

EXMD 690	(3)	Master's Thesis Research 1
EXMD 693	(12)	Master's Thesis Research 4
EXMD 694	(12)	Master's Thesis Research 5

Required Course (3 credits)

ENVR 615	(3)	Interdisciplinary Approach Environment and Sustainability
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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 (12 or 18 Credits)

12 credits, at the 500 level or higher, are required for students admitted to Ph.D. 2, i.e. students entering the program with a prior Master's degree.

18 credits, at the 500 level or higher, are required for students admitted to Ph.D. 1, i.e. students entering the program with only a B.Sc. or M.D. degree. Students that fast track from the masters level should take a total of 18 credits including previous courses taken at the Masters Level in a related-field.

Course choices should be made in consultation with research supervisor(s). Courses may be taken outside the department at the 500 level or higher in medical and allied sciences*.

* Note that some seminar, current topics and readings, and conference courses may not count towards your degree. Thus, students must obtain prior approval from the Division's Student Affairs Coordinator for courses at the 500 level or higher from other Allied Health Sciences departments.

11.12.14.10 Doctor of Philosophy (Ph.D.) Experimental Medicine: Environment

** This program will not be offered for 2022-2023. **

The Ph.D. in Experimental Medicine; Environment is a research program offered 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 (3 credits)

ENVR 615	(3)	Interdisciplinary Approach Environment and Sustainability
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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.

11.1214.11 Graduate Certificate (Gr. Cert.) Regenerative Medicine (15 credits)

The Graduate Certificate in Regenerative Medicine focuses on biology of stem cells, their uses in diagnostic and therapeutic applications, the practicalities of generating them, and using and modifying them for clinical translation. Exploration of the combination of stem cell-based model systems for drug discovery and disease modelling as well as the ethical implications of their use.

Required Courses (9 credits)

FMED 525	(3)	Foundations of Translational Science
HGEN 675	(3)	Stem Cell Biology
PHAR 508	(3)	Drug Discovery and Development 3

Complementary Courses (6 credits)

CHEE 512	(3)	Stem Cell Bioprocess Engineering
EXMD 501	(3)	Clinical Applications of Regenerative Medicine
EXMD 505	(3)	Directed Readings in Regenerative Medicine
HGEN 660	(3)	Genetics and Bioethics

11.1214.12 Graduate Diploma (Gr. Dip.) Clinical Research (30 credits)

The objectives of this program are to give students exposure to both theoretical and practical issues relevant to the conception and conduct of a clinical research study, and to put these principles into practice by participating in an ongoing clinical trial. The training provided qualifies students to manage and design clinical research studies in both academic and industrial settings.

Required Courses (24 credits)

EXMD 617	(1)	Workshop in Clinical Trials 1
EXMD 618	(1)	Workshop in Clinical Trials 2
EXMD 619	(1)	Workshop in Clinical Trials 3

EXMD 620	(1)	Clinical Trials and Research 1
EXMD 625	(1)	Clinical Trials and Research 2
EXMD 626	(1)	Clinical Trials and Research 3
EXMD 627	(18)	Practicum in Clinical Research

Complementary Courses (6 credits)

Six credits at the 500 level or higher chosen from: Experimental Medicine (EXMD), Pharmacology and Therapeutics (PHAR), Epidemiology and Biostatistics (EPIB). With prior approval from the Division's Student Affairs Coordinator, courses at the 500 level or higher, from other Allied Health Sciences departments may be accepted.

11.12.1.5 Medicine, Family

11.12.1.5.1 Location

Department of Family Medicine
5858 Côte-des-Neiges Road, 3rd Floor
Montreal QC H3S 1Z1
Email: graduateprograms.fammed@mcgill.ca
Website: mcgill.ca/familymed/education/graduate-programs

11.12.1.5.2 About Family Medicine

The McGill Department of Family Medicine is home to an exceptional community of primary health care professionals, researchers, students, and support staff, whose mission is to contribute to the health of the population and the sustainability of the health care system in Quebec, in Canada, and internationally by:

- developing research and scholarly activity to contribute to the academic discipline;
- promoting curriculum innovation and education research;
- engaging in international and global health activities;
- developing and engaging in public policy discussions;
- training medical students, residents, and other health care professionals to become committed to primary care, contributing to accessibility, continuity, coordination, accountability, patient-centredness, and health promotion and prevention;
- promoting innovation in family medicine and primary health care delivery and practice.

We understand that research in family medicine and primary care is essential to the achievement of excellence in health care delivery, patient care, and education. Our research division is composed of Ph.D. and clinical researchers who dedicate their efforts to producing and translating knowledge that advances the discipline, practice, and teaching of family medicine and primary care while supporting the scholarly activities of clinicians and residents in the Department. We have developed unique and rigorous research programs for **M.Sc.** and **Ph.D.** students that advance academic excellence in family medicine and primary health care through patient-oriented, community-based research with innovative methodologies and participatory approaches.

section 11.12.1.5.5: Master of Science (M.Sc.) Family Medicine (Thesis) (45 credits)

The M.Sc. in Family Medicine is a research-oriented thesis-based graduate program in family medicine. The objective is to increase the skills of those interested in carrying out research pertinent to the practice of family medicine.

As many relevant research questions cross conventional boundaries of disciplines and research traditions, we incorporate an **interdisciplinary approach** with an emphasis on **participatory research** and **community engagement**.

This program provides training in epidemiology and statistics, as well as in qualitative, quantitative and mixed methods. Students are also oriented for knowledge synthesis, and participatory research approaches.

An emphasis is placed on the relevance of the thesis research to family practice and primary health care. Close links are maintained with the main family medicine clinical sites located around Montreal and Quebec.

section 11.12.1.5.6: Master of Science (M.Sc.) Family Medicine (Thesis): Bioethics (45 credits)

The objectives of this program are to allow students to conduct innovative research in relation to a bioethical issue pertinent to health care and to acquire a working knowledge of bioethical issues from the current viewpoint of other relevant disciplines such as law, philosophy, and religious studies. A minimum of 45 credits is required including the thesis. The research culminates in the preparation of a thesis.

section 11.12.1.5.7: Master of Science (M.Sc.) Family Medicine (Thesis): Medical Education (45 credits)

This program will have very close ties to the *Family Medicine Educational Research Group* (FMER), which is the corollary of the educational innovations in teaching and research conceived and established in the McGill Department of Family Medicine since 2005. The FMER group's ultimate goal is to advance knowledge to:

1. constantly inform family medicine curricula innovations and continuing professional development to better family physicians' clinical practice;
2. significantly contribute to the development of the family medicine education field of inquiry;
3. rigorously develop and inform medical education policy.

This research agenda of FMER is articulated into four interrelated streams:

1. family physician's professional identity formation;
2. information use and technology in the learning episodes of practicing physicians and organizational learning;
3. program evaluation of educational innovations;
4. knowledge synthesis.

section 11.12.1.5.8: Doctor of Philosophy (Ph.D.) Family Medicine & Primary Care

The Ph.D. program will build upon our M.Sc in Family Medicine. Research topics in the field of family medicine and primary health care cross conventional discipline boundaries and research traditions. Our training program focuses on patient-oriented, community-based research using innovative methodologies and participatory approaches. The program advances academic excellence in family medicine and primary health care.

11.12.1.5.3 Medicine, Family Admission Requirements and Application Procedures**11.12.1.5.3.1 Admission Requirements**

Our program encourages the following applicants:

- Practicing family physicians
- Undergraduate university students with a strong interest in family medicine research
- Family medicine residents who are completing their residency and would like to continue with their education by completing an enhanced skills program specializing in family medicine research with the possibility of obtaining an M.Sc. degree. If interested, you may learn more about the [Clinician Scholar Program here](#).

What do we look for?

High academic achievement: A cumulative grade point average (CGPA) of 3.4 is required out of a possible maximum CGPA of 4.0, or a GPA of 3.6 is required in the last two years of full-time studies.

Proof of competency in oral and written English: TOEFL: International students who have not received their instruction in English, or whose mother tongue is not English, must pass the Test of English as a Foreign Language (*TOEFL*) with a minimum score of 86 on the Internet-based test (iBT), with each component score not less than 20 (internet-based test).



Note: The TOEFL institution code for McGill University is 0935. For further information, please refer to the [TOEFL website](#).

Alternatively, students may submit International English Language Testing System (*IELTS*) scores with a minimum overall band score of 6.5. Original score reports must be submitted (photocopies will not be accepted).

For overseas graduates, an attempt is made to situate the applicant's academic grades among the standards of their universities. Grades are, however, converted to their McGill equivalent. Conversion charts, as well as required admission documentation for each country, are provided by [Graduate and Postdoctoral Studies](#) and prospective students should refer to these in order to determine if they are admissible to our program.

11.12.1.5.3.2 Application Procedures

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

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

All supplemental application materials and supporting documents must be uploaded directly to the McGill admissions processing system.

- **Supervisor:** All students must be matched to a *supervisor* to be admitted to our graduate programs; this matching will occur during the application process (i.e., after the applicant has submitted a complete application). After the application has been received, the applicants will have an opportunity to be chosen for an interview with one of our supervisors if the minimum admission requirements have been met. After the application has been changed to "In Review" status in Uapply, candidates may contact potential supervisors who interest them for an interview.
- **Application form and fee:** All applicants must complete the [Online Application](#). The application must be accompanied by a non-refundable application fee payable by credit card (Visa or Mastercard); fee amounts and details are listed on the [Student Accounts](#) website. Please ensure you apply for the M.Sc. in Family Medicine or the Ph.D. in Family Medicine and Primary Care.
- **Curriculum Vitae:** Please upload the latest version of your CV, which should include a listing of previous research experience and publications. All relevant research experience should be included in your CV since you are applying for a research position in the Department.

- **Letters of Reference:** Two (2) or three (3) letters of reference must accompany any application to our program. These letters must be no more than six months old, must be on letterhead paper, and are required to be uploaded to the admissions processing system. Applicants are encouraged to request references from academic or other professional employers who can evaluate their potential for graduate studies and research, and who can attest to the applicant's research skills. Referees will also be asked to rank each applicant and to provide a size of the comparison (i.e., out of 50 supervised students). **Any applicant having undertaken previous graduate studies (whether at McGill or elsewhere) should make sure that one of the letters of reference is from their graduate supervisor. Please note:** On the application form, applicants must provide the names and email addresses of referees. McGill will contact these referees via email and invite them to upload reference letters on the applicant's behalf (along with the instructions on how to upload the documents). **Neither of these reference letters should be from the proposed supervisor.**
- **Personal Statement:** Applicants must submit a personal statement in which they:
 1. describe their background and the reasons why they are applying to the desired program;
 2. describe their research interests and with whom, among the list of potential supervisors, they would like to work;
 3. describe how they hope to impact family medicine practice; and
 4. describe future plans upon graduation from the desired program.

The statement should be no more than two (2) pages long.

- **Writing Assessment**
- **Interview**
- **Official Transcripts:** Applicants must submit one (1) official copy of all transcripts for all post-secondary education undertaken (Quebec students need not submit CEGEP transcripts). Unofficial transcripts may be uploaded to uApply, the McGill admissions processing system. Official transcripts are required when an offer of admission has been extended. **Please note:** Official transcripts are not required for studies conducted at McGill University.
- **Writing Sample (for Ph.D. and Bioethics option applicants only):** Applicants to our Ph.D. program must upload a writing sample to review, preferably a thesis or a published article. For Bioethics option applicants, please upload a sample of your writing skills from your undergraduate studies; it does not need to be a thesis or a publication.

11.12.1532.1 Additional Requirements

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

- Curriculum Vitae
- Personal Statement – no more than two (2) pages long
- Writing sample (for Ph.D. and Bioethics option applicants only)

11.12.1533 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Family Medicine and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program.

	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:	September 15	February 1	February 1	February 1
Winter Term:	Ph.D. applicants only	September 10	November 10	November 10
Summer Term:	N/A	N/A	N/A	N/A

All supporting documents must be received by February 1 for the Fall semester. Candidates who are interested in our MSc programs are only allowed to apply for the Fall semester. Candidates who are interested in our Ph.D. in Family Medicine and Primary Care program may apply in either the Fall or Winter semesters.

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

11.12.154 Medicine, Family Faculty

Chair

Marion Dove

Graduate Program Directors

Ph.D. program & Postdoctoral Fellows: Tibor Schuster

M.Sc. program: Isabelle Vedel

Professors

Neil Andersson, Gillian Bartlett, Howard Bergman, Jeannie Haggerty, Ann Macaulay, Pierre Pluye, Charo Rodriguez, Mark Yaffe.

Associate Professors

Eugene Bereza, Anne Cockcroft, Perle Feldman, Roland Grad, Ellen Rosenberg, Ian Shrier, Pierre-Paul Tellier, Isabelle Vedel, Mark Ware.

Assistant Professors

Alayne Adams, Anne Andermann, Tracie Barnett, Yves Bergevin, Richard Budgell, Alexandra De Pokomandy, Vladimire Khanassov, Bertrand Lebouche, Alex McComber, Peter Nugus, Samira Rahimi, Kathleen Rice, Tibor Schuster, Mabelle Wilchesky.

Associate Members

Sara Ahmed; Olivier Beauchet; David Buckeridge; Tamara Carver; Robin Cohen; Carolyn Ells; Jennifer Fishman; Matthias Friedrich; Terry Hebert; Richard Hovey; Matthew Hunt; Patricia Li; Francesca Luconi; Antonia Maioni; Melissa Park; Erin Strumpf; Daniel Weinstock; Meredith Young.

Adjunct Professors

Antoine Boivin; Julie Bruneau; Yves Couturier; Catherine Hudon; Amalia Issa; Janusz Kaczorowski; Edeltraut Kroger; Susan Law; Marie-Thérèse Lussier; Emily Marshall; Vivian Ramsden; Christian Rochefort; Jon Salsberg; Marie Claude Tremblay.

11.12.1.5.5 Master of Science (M.Sc.) Family Medicine (Thesis) (45 credits)**Thesis Courses (24 credits)**

FMED 697	(12)	Master's Thesis Research 1
FMED 698	(12)	Master's Thesis Research 2

Required Courses (13 credits)

FMED 505	(3)	Epidemiology and Data Analysis in Primary Care 1
FMED 509	(3)	Epidemiology and Data Analysis in Primary Care 2
FMED 603	(1)	Foundations of Participatory Research
FMED 614	(2)	Foundations of Mixed Methods Research
FMED 616	(1)	Applied Literature Reviews
FMED 625	(3)	Qualitative Health Research

Elective Courses (8 credits)

8 credits at the 500 level or higher chosen by the student and the Department in consultation with the student's thesis supervisor(s) of which 3 credits may be chosen from another department at McGill.

FMED 504D1	(.5)	Family Medicine Research Seminars
FMED 504D2	(.5)	Family Medicine Research Seminars
FMED 511	(1)	Introduction to Art in Healthcare: Making Art Accessible
FMED 525	(3)	Foundations of Translational Science
FMED 601	(3)	Advanced Topics in Family Medicine
FMED 604	(3)	Advanced Participatory Research in Health
FMED 605	(1)	AI and Analytical Decision-Making in Healthcare
FMED 606	(1)	Operational Issues in Survey Methods in Primary Care
FMED 607	(1)	Intro to Discourse Analysis & Interpretive Health Research
FMED 608	(1)	Advanced Mixed Methods Seminar in Health Research
FMED 610	(1)	Foundations of Family Medicine
FMED 611	(3)	Healthcare Systems, Policy and Performance
FMED 612	(1)	Evaluation Research and Implementation Science

FMED 615	(1)	Applied Knowledge Translation and Exchange in Health
FMED 618	(1)	Topics in Pharmacoeconomics, Drug Safety and Policy
FMED 619	(3)	Program Management in Global Health and Primary Health Care
FMED 621	(1)	Participatory Health Systems for Safe Birth
FMED 690	(3)	Advanced Ethnography: Context, Complexity and Coordination

11.12.15.6 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.

11.12.15.7 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 physicians' professional identity formation; (2) information use and technology in the learning episodes of practicing physicians and organizational learning; (3) mentoring in family medicine education, and (4) knowledge synthesis.

Thesis Courses (24 credits)

Thesis subject should be related to medical education.

FMED 697	(12)	Master's Thesis Research 1
FMED 698	(12)	Master's Thesis Research 2

Required Courses (13 credits)

FMED 505	(3)	Epidemiology and Data Analysis in Primary Care 1
FMED 509	(3)	Epidemiology and Data Analysis in Primary Care 2
FMED 603	(1)	Foundations of Participatory Research
FMED 614	(2)	Foundations of Mixed Methods Research

FMED 616	(1)	Applied Literature Reviews
FMED 625	(3)	Qualitative Health Research

Elective Courses (8 credits)

8 credits at the 600 level or higher, chosen in consultation with the student's academic supervisor, of which 6 credits must involve educational issues and relate to the student's thesis topic within the medical education field – most of these courses are offered by the Faculty of Education. The additional 2 credits may be completed in any department at McGill.

11.12.1.5.8 Doctor of Philosophy (Ph.D.) Family Medicine & Primary Care

The PhD program will build upon our MSc in Family Medicine.

Research topics in the field of family medicine and primary health care cross conventional discipline boundaries and research traditions. Our training program focuses on patient-oriented, community-based research using innovative methodologies and participatory approaches. The program advances academic excellence in family medicine and primary health care.

Thesis

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

PhD Comprehensive Exam

PhD students are expected to demonstrate proficiency in the following topics: basic statistics, epidemiology, qualitative and mixed methods, literature synthesis, knowledge translation and participatory research approaches. If a PhD candidate does not have prior training in any of these areas and believes that he or she cannot answer questions on these topics during the comprehensive exam, additional courses will be required for the PhD student.

FMED 701	(0)	PhD Comprehensive Examination
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Required Courses (9 credits)

FMED 601	(3)	Advanced Topics in Family Medicine
FMED 604	(3)	Advanced Participatory Research in Health
FMED 702*	(1)	Advanced Doctoral Primary Care Research Seminars

* Note: this slot course must be taken three times (3 cr.)

Elective Course (3 credits)

3 credits in advanced research methods, at the 600 level or higher. May be chosen from outside the Department, in consultation with the student's academic adviser or supervisor.

11.12.1.6 Oncology

11.12.1.6.1 Location

Gerald Bronfman Department of Oncology
5100 de Maisonneuve Blvd West, Suite 720
Montreal QC H4A 3T2
Website: mcgill.ca/oncology/

11.12.1.6.2 Grad. Dip. in Oncology

The Graduate Diploma in Oncology provides students the opportunity to gain exposure to the principles and practice of oncology as well as its research domains, while exploring in more detail one of four areas of focus:

- Population and Global Cancer Control
- Psychosocial Oncology/Palliative Care
- Clinical Cancer Research
- Cancer Care Services and Quality

11.121.63 Oncology Faculty**Chair**

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, A. Fuks, V. Giguère, L. Gilbert, W. Gotlieb, C. Greenwood, T. Hutchinson, A. Koromilas, C. Loiselle, R. Margolese, S. Meterissian, W. Miller, A. Nepveu, L. Panasci, M. Park, J. Pelletier, M. Pollak, S. Richard, S. Robbins, N. Sadeghi, J.P. Seuntjens, C. Shustik, L. Souhami, A. Spatz, M. Thirlwell, M. Tremblay, T. Vuong

Associate Professors

S. Abbasinejad Enger, J. Agulnik, T. Alcindor, J. Alfieri, J. Asselah, L. Azoulay, S. Caplan, P. Chaudhury, D. Cournoyer, S. Devic, M. Fabian, S.L. Faria, M. Henry, M. Hier, T. Hijal, A. Jahani-Asl, N. Johnson, P. Kavan, P. Laneuville, A. Langleben, B. Lapointe, S. Lau, A.S. Liberman, A. Loutfi, M. Martin, L. McCaffrey, A. Meguerditchian, E.J. Mitmaker, T. Muanza, M. T. Niazi, A. Peterson, J. Prchal, R. Rajan, Z. Rosberger, D. Senger, G. Shenouda, I. Topisirovic, A. Towers, J. Ursini-Siegel, A. Viganò, M. Witcher, J.H. Wu, G. Zogopoulos

Assistant Professors

S. Abish, R. Aloyz, D. Anderson, S. Aubin, M. Azoulay, B. Bahoric, S. Bouchard, N. Bouganim, J. Burnier, V. Cohen, F. Cury, R. Dalfen, M. David, S. del Rincon, M. Duclos, K. Esfahani, M. Evans, C. Ferrario, J. Friedmann, J. Kildea, N. Kopek, C. Lambert, H. Laryea, M. Lecavalier, C. Legler, I. Levesque, V. Mandilaras, D. Melnychuk, N. Meti, C. Mihalcioiu, A. Orthwein, S. Owen, V. Panet-Raymond, W. Parker, F. Patenaude, P. Pater, H. Patrocinio, C. Pepe, E. Poon, M. Popovic, I. Prakash, A. Rose, R. Saleh, S. Sirhan, S. Skamene, B. Stein, G. Stroian, K. Sultanem, F. Tremblay, J.M.G. Tsui, T. Vanounou, C.A. Vasilevsky, P. Watson, S. Wong, A. Wong Wong Keet, N. Ybarra

Lecturers

R. Archambault, K. Asiev, H. Bekerat, S. Bendellali, N. Buhlaiga, A. Carbonneau, P. Charghi, T. Connell, S. Ferland, R. Fisher, D. Frechette, J. Goudreault, D. Guillet, G. Hegyi, G. Huni, A. Khadoury, L.H. Liang, P.-Y. McLaughlin, E. Neamt, P. Ramia, R-M Rouleau, R. Ruo, A. Saidi, S. Sud, S. Tisseverasinghe, N. Tomic

Associate Members

J. Arseneau, S. Assouline, G. Bartlett-Esquillant, H. Bergman, J-F. Boileau, M. Burnier, S. Chevalier, L. Collins, T. Duchaine, C. Elbaz, J-P. Farmer, J. Feine, D. Fleiszer, R. Forghani, P. Galiatsatos, Z-H. Gao, M. Goldberg, C. Goudie, P. Gros, L.A. Habib, J. Hall, N. Jabado, T. Jagoe, S. Jordan, C. Kleinman, A.C. Korner, S. Lambert, K. Lawlor, A. Leung, S. Li, M.E. Macdonald, C. Maheu, K. Mann, R. Michel, A. Mlynarek, L. Musgrave, B. Nicolau, P. Nugus, L. Ofiara, M. Paliouras, R. Payne, S. Rabbani, J. Rak, C. Reinhold, L. Roudaia, M. Sebag, B. Shieh, P. Siegel, E. Strumpf, R. Tabah, S. Tanguay, P. Tonin, G. Tradounsky, A. Tsimicalis, R. Turcotte, D. Wan-Chow-Wah, B. Wang

Adjunct Professors

R-K. Agnihotram, A.E. Al Moustafa, N. Blais, A. Burchell, M. Chasen, F. Coutlee, F. DeBlois, I. El Naqa, B. Gagnon, M-H. Mayrand, B. Mofteh, G.B. Pike, J. Renaud, B. Rivera, D. Roberge, A. Sarfehnia, G. Simos, E. Soisson, T. Sullivan, H. Trotter

11.121.64 Graduate Diploma (Grad. Dip.) Oncology (30 credits)

The Graduate Diploma in Oncology provides exposure to the entire spectrum of principles and practice in all fields of oncology as well as its research domains while allowing exploration in more detail of a specific area of focus through courses and a practicum. The areas of focus are: population and global cancer control, psychosocial oncology/palliative care, clinical cancer research, or cancer care services and quality.

Required Courses (12 Credits)

ONCO 610D1	(3)	Fundamentals of Oncology and Cancer Research
ONCO 610D2	(3)	Fundamentals of Oncology and Cancer Research
ONCO 620	(3)	Best Practices in Biomedical Research
ONCO 630	(3)	Oncology Practicum

Complementary Courses (12 Credits)

6 credits from:

EPIB 671	(3)	Cancer Epidemiology and Prevention
PPHS 612D1	(1.5)	Principles of Public Health Practice
PPHS 612D2	(1.5)	Principles of Public Health Practice

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 Principles and Methods
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
EXMD 640	(3)	Experimental Medicine Topic 1
EXSU 505	(3)	Trends in Precision Oncology
FMED 619	(3)	Program Management in Global Health and Primary Health Care
HGEN 690	(3)	Inherited Cancer Syndromes
NUR2 705	(3)	Palliative Care
ONCO 611	(3)	Proteomics for Precision Medicine
ONCO 615	(3)	Principles and Practice of Clinical Trials
ONCO 625	(3)	Quality Improvement Principles and Methods
ONCO 635	(3)	Qualitative and Psychosocial Health Research

ONCO 645	(3)	Seminars in Global Oncology
POTH 637	(3)	Cancer Rehabilitation
PPHS 528	(3)	Economic Evaluation of Health Programs
PSYC 507	(3)	Emotions, Stress, and Illness
SWRK 668	(3)	Living with Illness, Loss and Bereavement

The course will be chosen in consultation with the student's mentor and must be approved by the Program Committee and the Graduate Program Director.

Elective Courses (6 credits)

6 credits at the 500 level or higher can be chosen from the course list above or from other courses. The courses do not necessarily have to include cancer-related content, but must have relevance to the field. The courses will be chosen in consultation with the student's mentor and must be approved by the Program Committee and the Graduate Program Director.

11.12.1.7 Otolaryngology – Head and Neck Surgery

11.12.1.7.1 Location

Department of Otolaryngology – Head and Neck Surgery
 MUHC (Royal Victoria Hospital)
 1001 boul. Decarie, D05.5709
 Montreal QC H4A 3J1
 Canada
 Telephone: 514-934-1934, ext. 36386
 Website: mcgill.ca/ent

11.12.1.7.2 About Otolaryngology – Head and Neck Surgery

The Master of Science degree offered by the Department of Otolaryngology – Head and Neck Surgery provides inter-disciplinary training for clinical or basic science research in Otolaryngology. Master's programs can include research on normal function and disease of head and neck structures: otology, neuro-otology, laryngology, rhinology, oncology, surgery, auditory-vestibular sciences, middle-ear modelling, oto-toxicity, genomics, infection, thyroid disease, or genetics.

section 11.12.1.7.5: Master of Science (M.Sc.) Otolaryngology (Thesis) (45 credits)

The master's program is intended for those having with a strong interest in otolaryngology research (e.g., Otolaryngologists, physicians, PhDs, dentists, veterinarians, medical professionals, engineering or science undergraduates etc.). The program addresses research questions using an interdisciplinary approach, combining methodologies of both the clinical sciences and the basic sciences. The master's program is unique in Canada and rare elsewhere. Graduates of the program can better treat ear-nose-throat diseases; they are better positioned to do, and to evaluate, research in Otolaryngology. They typically obtain the most highly sought positions in their fields.

11.12.1.7.3 Otolaryngology Admission Requirements and Application Procedures

11.12.1.7.3.1 Admission Requirements

Admission to the M.Sc. program requires acceptance by a research supervisor, and the proposed program must be approved by the Department.

Applicants should be otolaryngologists, or they should be currently enrolled in a residency program leading to certification in Otolaryngology, or they should be physicians. Under exceptional circumstances, others (Ph.D.s, dentists, veterinarians, medical professionals, etc.) with a strong interest in Otolaryngology Research will be considered.

The results of the Test of English as a Foreign Language (TOEFL) (minimum of 86 on the Internet-based test [iBT] with each component score not less than 20 is required for applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone).

11.12.1.7.3.2 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.

Prospective students should contact research supervisors individually.

11.12.1.7.3.2.1 Additional Requirements

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

- Curriculum Vitae
- Personal Statement
- Acceptance by a research supervisor

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.

		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	July 15	July 15	
Winter Term:	Feb. 15	Sept. 10	Nov. 15	Nov. 15	
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.

11.12.1.7.4 Otolaryngology – Head and Neck Surgery Faculty**Chair**

N. Sadeghi

Graduate Program Director and Director of Research

B. Segal

Director of Residency Training Program

K. Richardson

Director of Head and Neck Oncology Program

N. Sadeghi

Director of Undergraduate Medical Education

J. Young

Director of Fellowship Training

J. Rappaport

Emeritus Professor

A. Katsarkas

Professors

M. Desrosiers, N. Fanous, W.R.J. Funnell, M. Hier, J. Manoukian, L. HP. Nguyen, W.H. Novick, R. Payne, J. Rappaport, M. Samaha, B. Segal, M. Tewfik, A.G. Zeitouni

Associate Professors

M. Desrosiers, N. Fanous, W.R.J. Funnell, M. Hier, J. Manoukian, L. HP. Nguyen, W.H. Novick, R. Payne, J. Rappaport, M. Samaha, B. Segal, M. Tewfik, A.G. Zeitouni

Assistant Professors

F. Chagnon, M. Duval, V.I. Forest, J. Gurberg, Y. Lacroix, R. Lafleur, A. Lehmann, C. Marchica, T. Mijovic, A. Mlynarek, K. Richardson, J. Schwartz, G. Sejean, L. Tarantino, S.D. Wurzbach, J. Yeung, J. Young

Associate Members

H.L. Galiana, M. Henry, N.Y.K. Li, L. Mongeau, M. Paliouras, M. Sewitch

Lecturers

C. Boucher, S. Bouhabel, R. Caouette, M. Campagna-Vaillancourt, R. Dionne, Yalon Dolev, A. Finesilver, L. Himdi, O. Houle, V. Iordanescu, M. Lalonde, L. Monette, S. Nguyen, L. Picard, J. Rothstein, R. Varshney, T.V.T. Vu, R. Ywakim

11.12.1.7.5 Master of Science (M.Sc.) Otolaryngology (Thesis) (45 credits)**Thesis Courses (30 credits)**

OTOL 690	(3)	M.Sc. Thesis 1
OTOL 691	(3)	M.Sc. Thesis 2
OTOL 692	(6)	M.Sc. Thesis 3
OTOL 693	(6)	M.Sc. Thesis 4
OTOL 694	(12)	M.Sc. Thesis 5

Required Courses (12 credits)

When appropriate, courses OTOL 602, OTOL 612, OTOL 603, or OTOL 613 may be replaced by other Basic Science or Clinical (500, 600, or 700 level) courses of relevance to Otolaryngology, as recommended or approved by the Department.

OTOL 602	(3)	Physiology, Histopathology and Clinical Otolaryngology 1
OTOL 603	(3)	Advanced Scientific Principles - Otolaryngology 1
OTOL 612	(3)	Physiology, Histopathology and Clinical Otolaryngology 2
OTOL 613	(3)	Advanced Scientific Principles - Otolaryngology 2

Complementary Course

(3-4 credits)

EPIB 507	(3)	Biostats for Health Sciences
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or equivalent.

Students aiming to acquire an interdisciplinary background will be expected to take additional elective courses, at the undergraduate level if necessary.

11.12.1.8 Pathology**11.12.1.8.1 Location**

Department of Pathology
Duff Medical Building
3775 University Street, Room B4
Montreal QC H3A 2B4
Canada
Telephone: 514-398-3045
Email: gradstudies.pathology@mcgill.ca
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 Graduate Studies Program in the Department of Pathology has been designed to achieve three major goals:

1. To train students in the design, performance, interpretation and documentation of laboratory research by guiding them as they carry out a thesis project in one of the many sub-disciplines of pathology
2. To ensure that students have a comprehensive knowledge of biomedical science, with an advanced and up-to-date understanding of pathology. In addition to the scientific component, Ph.D. candidates should also become familiar with the general principles of diagnostic pathology. (Foreign medical graduates should be aware that this level of conceptual knowledge regarding diagnostic procedures is **not** adequate preparation for clinical employment and those wishing to practise Pathology as a medical specialty should apply for residency training rather than graduate studies.)
3. To provide initial training in effective techniques of scientific communication: organizing and delivering lectures and research seminars; preparing and evaluating manuscripts and grant applications.

The Pathology Department offers research training in a wide variety of areas such as:

- Cancer research, including the fundamental biology of breast cancer, ovarian cancer, brain tumors, soft tissue tumors, and the mechanisms of metastasis;
- Immunology and transplantation;
- Autoimmune disorders;
- Ophthalmic pathology;
- Stem cell biology;
- Pulmonary disease;
- Neurodegenerative disorders;
- Smooth muscle pathophysiology; and
- Genomic biology of cancer.

Modern techniques and equipment include light, fluorescence, and electron microscopy (both transmission and scanning), laser capture, flow cytometry, DNA, RNA, protein analysis, cell culture, advanced immunological, pharmacological, biochemical, and physiological techniques, as well as morphometry and computer-aided analysis.

section 11.12.1.8.5: Master of Science (M.Sc.) Pathology (Thesis) (45 credits)

Graduates can directly enter rewarding careers in research, or opt to continue with their studies and obtain a Ph.D. Some combine their research training with subsequent training in medicine, law, or business administration.

section 11.12.1.8.6: Doctor of Philosophy (Ph.D.) Pathology

Our graduates enter successful careers in industry, academia, government/international agencies, or clinical medicine, sometimes combining two of these options. They leave McGill with experience in leadership and communication skills in addition to being highly trained in biomedical research, and their career choices include a wide range of administrative and research positions around the world.

11.12.1.8.3 Pathology Admission Requirements and Application Procedures

11.12.1.8.3.1 Admission Requirements

Applicants must have a B.Sc. or an equivalent degree with an extensive background in the physiological and biological sciences. An academic record equivalent to or better than a cumulative grade point average (CGPA) of 3.2 out of 4.0 at McGill is required for at least the two final full-time years of undergraduate training, with a minimum CGPA of 3.0 overall. It is an advantage if candidates have very favourable supporting letters or have demonstrated an exceptional aptitude for research. All candidates are expected to apply for scholarships and fellowships, which usually require a higher CGPA or other evidence of excellence.

Applicants to graduate studies whose native language is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English. Before acceptance, appropriate exam results must be submitted directly from the TOEFL (Test of English as a Foreign Language) or IELTS (International English Language Testing Systems) Office. These applicants are usually required to take the *GRE* in order to properly evaluate their suitability.

Students are normally accepted into the M.Sc. program, and those candidates showing exceptional ability may be permitted to transfer into the Ph.D. program after one year of training.

Applicants who already possess an additional degree (M.Sc., M.D.) with appropriate research experience may be allowed to register in the Ph.D. program directly.

For further information, applicants may contact the Teaching Office, Department of Pathology: gradstudies.pathology@mcgill.ca.

11.12.1.8.3.2 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.

All applications will be evaluated by the Graduate Students Committee. Candidates found suitable must then be accepted by a research director, and adequate funding must be obtained for both personal support and research expenses.

11.12.1.8.3.2.1 Additional Requirements

- Personal Statement
- Curriculum Vitae
- Research Proposal (when appropriate)
- GRE may be required for applicants who have not completed an undergraduate or graduate degree from a recognized foreign institution

11.12.1&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. Brimo, M. Blumenkrantz, S. Camilleri-Broët, B. Case, M.F. Chen, M.-C. Guiot, T. Haliotis, J. Karamchandani, V.A. Marcus, V.-H. Nguyen, R. Onerheim, M. Pelmus, M. Pustaszzeri, L. Rochon, J. Sonnen, I. Roy, A.K. Watters, E. Zorychta

Assistant Professors

O.E. Ajise, M. Alameldin, S. Albrecht, O. Aleynikova, R. Amre, K. Bakdounes, M. Blumenkrantz, G.D. Brandao, J. Burnier, D. Caglar, J. Chepovetsky, P. Fiset, A. Florea, L. Florianova, L. Fu, A. Gregorieff, S.-M. Jung, Y. Kanber, J. Lavoie, H.R. Lopez-Valle, A.T. Marcus, T. S. Nagaria; T. Nu; A. Omeroglu, G. Omeroglu-Altinel, F. Razaghi, M. Redpath, S. Sandhu, H. Srolovitz, J. St. Cyr, T.N. Ton Nu, H. Wang

Associate Members

B. S. Abdulkarim, C.J. Baglole, N. Braverman, S. Cellot, P.J. Chauvin, M. Divangahi, N. Jabado, J.-L. Liu, S.N.A. Hussain, G.O.R. Arena, W. Kassouf, P. Metrakos, V.Papadopoulos, M. Park, J. Przybyl, A. Schwertani

11.12.1.85 Master of Science (M.Sc.) Pathology (Thesis) (45 credits)

All students must take PATH 300 plus a course in statistics if they have not completed these requirements before admission.

Candidates with insufficient background in one of the biomedical sciences will be required to take specific courses to remedy the deficiency. These and additional courses that are relevant to the student's area of research will be chosen in consultation with the research director and Graduate Students Committee.

Thesis Courses (30 credits)

PATH 690	(9)	M.Sc. Thesis Research Project 1
PATH 691	(9)	M.Sc. Thesis Research Project 2
PATH 692	(12)	M.Sc. Thesis Research Project 3

Required Courses (6 credits)

PATH 620	(3)	Research Seminar 1
PATH 622	(3)	Research Seminar 2

Complementary Courses (9 credits)

3 credits, one of the following courses:

PATH 613	(3)	Research Topics in Pathology 1
PATH 614	(3)	Research Topics in Pathology 2

6 credits, two 500-, 600-, or 700-level courses offered by the Department; subject to approval of the research director and Graduate Students Committee, up to 3 credits of 500-, 600-, or 700-level credits may be taken in another department.

11.12.1.8.6 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 research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

Required Courses (12 credits)

PATH 613	(3)	Research Topics in Pathology 1
PATH 614	(3)	Research Topics in Pathology 2
PATH 620	(3)	Research Seminar 1
PATH 622	(3)	Research Seminar 2
PATH 701	(0)	Comprehensive Examination - Ph.D. Candidates

Complementary Courses (9 credits)

Three 500-, 600-, or 700-level courses offered by the Department; subject to the approval of the research director and Graduate Students Committee, up to one 500-, 600-, or 700-level course may be taken in another department.

11.12.1.9 Psychiatry**11.12.1.9.1 Location**

Department of Psychiatry
1033 Pine Avenue West
Montreal QC H3A 1A1
Canada
Telephone: 514-398-4176
Fax: 514-398-4370
Email: graduate.psychiatry@mcgill.ca
Website: mcgill.ca/psychiatry

11.12.1.9.2 About Psychiatry

McGill University's Department of Psychiatry is one of the most prestigious in the world. In the 1950s and 60s, Heinz Lehmann conducted the first North American clinical trials for antipsychotic and antidepressant medications. Theodore Sourkes identified the core neurobiological features of Parkinson's disease, and Eric Wittkower and Jack Fried brought together scholars from Anthropology and Psychiatry to create Transcultural Psychiatric Studies. Since then, faculty members and graduate students continue outstanding research in addictions; Alzheimer's and childhood disorders; eating, personality, and mood disorders; stress; trauma; and psychosis. The work is conducted in people and animal models, and also benefits from expertise ranging from neuroimaging and epigenetics to mental health services and public policy. Our work remains at the cutting edge of research on health, disease, and recovery.

section 11.12.1.9.5: Master of Science (M.Sc.) Mental Health (Thesis) (45 credits)

The graduate program in Mental Health is designed to provide advanced research training in the basic, applied, and social sciences relevant to issues in psychiatry. Applicants are admitted from a wide range of backgrounds, including undergraduate degrees in relevant areas (e.g., psychology, neuroscience, sociology, medical anthropology, nursing, and medicine), and those who are pursuing their psychiatry residency at McGill. Most, though not all students, continue to a Ph.D. program. The graduate program does not provide clinical training.

section 11.12.1.9.6: Doctor of Philosophy (Ph.D.) Mental Health

The Ph.D. in Mental Health is designed to provide advanced research training in the basic, applied, and social sciences relevant to issues in psychiatry. Applicants are admitted from a wide range of backgrounds, including M.Sc. or M.A. degrees in relevant areas (e.g., psychology, neuroscience, sociology, medical anthropology, nursing, and medicine). The Ph.D. program does not provide clinical training.

11.12.1.9.3 Psychiatry Admission Requirements and Application Procedures**11.12.1.9.3.1 Admission Requirements**

- A strong background in science and/or social science, as demonstrated by academic achievement equivalent to a GPA of 3.3 (on a 4-point scale) or 3.5 in the last two years
- An outline of the proposed thesis research, to be written by the prospective student in collaboration with an appropriate research supervisor
- Two letters of reference
- **TOEFL** or **IELTS** certificate of proficiency in English for non-Canadian applicants whose mother tongue and language of education is not English, with a minimum score of 86 on the TOEFL Internet-based test (iBT), with each component score not less than 20, or 6.5 on the IELTS test

and

Master of Science: Psychiatry (thesis)

- A B.Sc., B.A., B.N., or M.D. degree
- Demonstration of financial support through a scholarship/award and/or by the student's supervisor

Doctor of Philosophy: Mental Health

- A M.Sc., or M.A. degree
- The student's statement of purpose for seeking a Ph.D.
- Confirmation of supervision, including confirmation of funding from the supervisor or from an external scholarship

11.12.1.9.3.2 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.

11.12.1.9.3.2.1 Additional Requirements

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

- Personal Statement – describing the specific reasons for seeking a Master of Science degree in Psychiatry
- Letters of Reference – with Applicant Evaluation checklist forms (see Department [website](#))
- Written Confirmation of Supervision form (see Department [website](#)) from the proposed research supervisor

11.12.1.9.3.3 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 Department of Psychiatry and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; 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	March 15	March 15
Winter Term:	Feb. 15	Sept. 10	Sept. 10	Sept. 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.

11.12.1.9.4 Psychiatry Faculty**Chair**

G. Turecki

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. Joobar, 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 Professors (Post-Retirement)

T.B. Brown, P. Zelkowitz

Associate Professors

J. Armony, S. Beaulieu, M. Berlim, R. Biskin, M.J. Brouillette, N. Casacalenda, E. Chachamovich, M. Chakravarty, D. Charney, J.B. Debruille, S. Ducharme, D. Dunkley, C.P. Ernst, C. Fichten, D. Frank, R. Fraser, A. Gagnon, G. Galbaud Du Fort, M. Gignac, A. Granich, B. Greenfield, N. Grizenko, K. Igartua, M. Israël, S.N. Iyer, E. Jarvis, S. Karama, T. Kolivakis, M. Lashley, K. Looper, H.C. Margolese, X. Meng, R. Montoro, G. Myhr, L. Nadeau, J. Palacios-Boix, J. Pecknold, M. Perreault, A. Propst, R.A. Ramsay, J. Renaud, B.M. Robertson, J. Rochford, Z. Rosberger, M. Ruiz Casares Yebenes, R. Russell, T. Semeniuk, J. Shah, P.P. Silveira, D. Sookman, W. Steiner, F.K. Storch, B. Suranyi-Cadotte, L. Tourian, S. Villeneuve, A. Wazana, R. Whitley, G. Wiviott, T.P. Wong

Assistant Professors

D. Awad, S.M. Bailes, P. Bajsarowicz, E. Banon, M. Barbarosie, L. Beauclair, C. Benierakis, P. Bleau, D. Bloom, J. Bond, F. Bourque, I. Bradley, M. Brandon, A. Bucatel, J. Canfield, P. Cervantes, M. Chammas, R.M.E. Chenard-Soucy, S. Choudhury, J. Cohen, L. Creti, L. Dabby, M. Dadar, M.E. Davis, N. Deleva, P. Des Rosiers, R. Desautels, J. Desmarais, M. Di Tomasso, J. Dornik, M. Elie, J. Errunza, K. Faridi, N. Faridi, N. Farooqi, K. Fathalli, M. Ferrari, A. Fielding, J. Friedland, L. Freedman, A. Gagnon-McMahon, K. Geagea, A. Gifuni, J. Glass, K. Goddard, M. Grignon, P. Habib, B. Hayton, L. Hoffman, F. Ianni, J. Joly, M. Koch, T. Kolivakis, R. Kronick, P. Lageix, S. Lamarre, M. Laporta, L. Laporte, J.D. Leccia, E. Levy, E. Libman, M. Lifshitz, N.C.P. Low, W. Ma, R. Martins, N. Masrouha, T. Measham, M. Messier, G. Meterissian, T.M. Milroy, M. Montembeault, A. Morissette, C. Nagy, A. Nakhost, M.-C. Noel, T. V. Nguyen, M. Orri, M. Piat, L. Pinard, A. Propst, R. Rabin, M. Rabinovitch, S. Rej, J. Renaud, S.B. Rosenbloom, C. Roy, P. Rusjan, T. Said, H. Schwartz, M. Segal, J. Seguin, I. Spector, K.A. Steger, A. St-Hilaire, M. St-Laurent, N. Szkrumelak, K. Tabbane, M. Temple, L. Thaler, Z. Thomas, A. Traicu, M. R. Tuineag, F. Van Den Eynde, S. Veissière, S. Vida, J. Vogel, Y. Wolf, G. Zahirney, Y. Zeighami, K. Zemmour, V. Zicherman, D. Zigman, E. Zikos

Lecturers

F. Amdiss, A. Monroy, S. Bemmira, F. Bensaada, I. Blais, M. Boisvert, C.M.J. Brebion, Mioara Bunea Cotfas, A. Cadivy, J.P. Carmel, E. Casimir, E. Cauchois, R. Chaala, P. Chan, D. Charest, M. Coward, A. Czyrowicz, T.-V. Dao, M.A. DeCiccio, C. Desmarais, M.H.N. Dinh, S. S. Douyon, H.C. Dube, L. Evans, J.A. Farquhar, H. Goldhaar, P. Gouin, J. Guimezap Tsopmo, P. Harden, J. Harvey, M. Heyman, H.G. Jean- Francois, I. Jetté-Côté, P. Kemgni, H. Kotue Kemgni, D. Kunin, L. LaChance, S. Mauger, D.F.S. Monti, K. Myron, C. Paquin-Hodge, R. Payeur, L. Peters, M. Pickles, K. Richter, D.T. Rochon, M. Rodier, O. Rossi, O. Sidhom, J.D. Sylvestre, V. Tagalakis, F.C. Toma, O. Triffault, E. Veljanova, D. Wajszilber, S. Wisebord

Associate Members

R.C. Bagot, S. Bond, J.L. Derevensky, M. Drapeau, A. Evans, J. Foley, P. Friesen, M.-C. Geoffroy, S. Margolese, L. McVey, T. Montreuil, J. Russell, A. Schiavetto, R. N. Spreng, J.I. Trakadis, Z. Vang, D. Wendt

Adjunct Professors

M. Alda, E. Amiral, P. Blier, L. Booij, B. Chaumette, S. Comai, A. Crocker, S. Deschenes, D. Fikretoglu, J.-M. Guile, F. Jollant, B. Kieffer, V. Kovess, A. Lesage, S.J. Lloyd, O. Linnaranta, K. O'Donnell, J. Pruessner, M. Pruessner, S. Richard-Devantoy, J. Ruel, A. Ryder, N. Schmitz, C. Tranulis, R. Wolde-Giorghis

11.121.95 Master of Science (M.Sc.) Mental Health (Thesis) (45 credits)

The M.Sc. in Mental Health provides training in research methodology related to psychiatry and mental health topics and entails the completion of a thesis research project.

Thesis Courses (36 credits)

PSYT 691	(12)	Thesis Research 1
PSYT 692	(12)	Thesis Research 2
PSYT 693	(12)	Thesis Research 3

Complementary Courses (9 credits)

9 credits of graduate-level courses approved by the student's Supervisory Committee.

Courses are selected on the basis of the area of research interest and the background of the student, and must include a course in statistical analysis if not presented upon admission.

11.121.96 Doctor of Philosophy (Ph.D.) Mental Health

The Ph.D. in Mental Health, which is rooted in a strong tradition of multidisciplinary research approaches, focuses on the development of mental health services and policy, social and cultural psychiatry, and clinical and transnational psychiatry. Students are exposed to a rich body of knowledge in psychiatry and mental health research methods by participating in regular academic activities organized by different units of the Department of Psychiatry, such as weekly research seminars, global mental health rounds, Indigenous mental health workshops, the Summer Program in Cultural Psychiatry, and the conferences and workshops organized by the Advanced Study Institute in Cultural Psychiatry.

Thesis

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

Required Courses (6 credits)

PSYT 605	(3)	History and Philosophy of Psychiatry
PSYT 606	(3)	Mental Illness: Symptoms Diagnostics and Determinants
PSYT 701	(0)	Comprehensive Exam Mental Health

Complementary Courses (3 credits)

3 credits from the following or 3 credits of 500 level or higher from another unit chosen in consultation with the student's academic advisor or supervisor:

PSYT 500	(3)	Advances: Neurobiology of Mental Disorders
PSYT 515	(3)	Advanced Studies in Addiction
PSYT 620	(3)	Trends in Clinical Psychiatry
PSYT 625	(3)	Qualitative Research in Health Care
PSYT 630	(3)	Statistics for Neurosciences
PSYT 633	(3)	Social and Cultural Research Methods
PSYT 682	(3)	Psychosocial Issues of Disease
PSYT 696	(3)	Special Topics in Psychiatry
PSYT 711	(3)	Cultural Psychiatry
PSYT 713	(3)	Psychiatric Epidemiology

11.121.10 Surgery, Experimental**11.121.101 Location**

Surgery, Experimental
Montreal General Hospital, Room C9-169
1650 Cedar Avenue
Montreal QC H3G 1A4
Canada
Graduate Program Coordinator: Sharon Turner

Telephone: 514-934-1934, ext. 42837
 Email: gradstudies.surgery@mcgill.ca
 Website: mcgill.ca/experimentalsurgery

11.12.1.10.2 About Experimental Surgery

Experimental Surgery offers graduate-level training leading to an **M.Sc.** or a **Ph.D.** degree. At the master's level, in addition to the core program, those who are interested have a new opportunity to choose a concentration in Surgical Innovation, Surgical Education, or Global Surgery. The Experimental Surgery Department is responsible for the administration of the graduate programs and allows excellent opportunities for training under the supervision of professors located in the Research Institute of the McGill University Health Centre or other McGill teaching hospitals. The scope of the research and close connections with other Montreal research centres and McGill departments provide ample opportunities for collaboration. Research in the Department covers a wide spectrum, including injury, repair, recovery, tissue engineering, transplantation, fibrosis, cancer and stem cell biology, biomechanics, organ failure, 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: Master of Science (M.Sc.) Experimental Surgery (Thesis) (45 credits)

The M.Sc. core program is intended for students wishing to pursue careers in academia, the medical field, or industry. Thesis projects available in the various laboratories of the Department are multidisciplinary and ensure that students are exposed to a broad spectrum of research projects and experimental approaches. Students who have achieved superior progress in their research have the option to transfer to the Ph.D. program, waiving the M.Sc. thesis submission.

section 11.12.1.10.6: 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.

section 11.12.1.10.7: Master of Science (M.Sc.) Experimental Surgery (Thesis): Global Surgery (45 credits)

This concentration emphasizes healthcare 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 projects and orient their work depending on their research interest (i.e., health economics, injury epidemiology, etc.) aligned with the Centre for Global Surgery's (CGS) mission.

section 11.12.1.10.8: Master of Science (M.Sc.) Experimental Surgery (Thesis): Surgical Education (45 credits)

This concentration 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.

section 11.12.1.10.9: Master of Science (M.Sc.) Experimental Surgery (Thesis): Surgical Innovation (45 credits)

This concentration is intended for residents interested in developing new devices and software solutions for surgical needs, as well as non-clinician trainees with a passion for healthcare technology. The program 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 these teams to identify clinical needs and to innovate solutions to them.

section 11.12.1.10.10: Master of Science (M.Sc.) Experimental Surgery (Thesis): Surgical Outcomes Research (45 credits)

This concentration offers a graduate-level training program focused on the science of measuring and improving the outcomes of surgical patients. Students in this concentration will complete coursework addressing research methods, biostatistics, and strategies to measure and improve postoperative outcomes. This concentration aims to provide students with the knowledge and skills required to start a successful career as a surgical outcomes researcher.

section 11.12.1.10.11: Master of Science (M.Sc.) Experimental Surgery (Non-Thesis) (45 credits)

This is a graduate level training program in 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 knowledge in various surgical core disciplines while allowing training opportunities in more specific areas such as global surgery, innovation, education or as the interest of the students dictates.

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.

11.121.1032 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.

11.121.10321 Additional Requirements

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

- Curriculum Vitae
- Research Project Proposal
- Confirmation of Supervisor
- Letter of Understanding
- Tuition Assistance

Additional Requirements for the Concentrations in Surgical Education and Surgical Innovation

- Letter of Intent – A letter of intent from the students describing their reasons for pursuing the concentration of their choice, what their qualifications are, and why they should be accepted.
- Interview session – Students applying to the concentration in Surgical Education or in Surgical Innovation may be requested to attend an interview session either in person, by phone, or via Skype.

11.121.1033 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by Experimental Surgery and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program.

	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	April 30	June 15	June 15
Winter Term*:	Feb. 15	Sept. 1	Nov. 1	Nov. 1
Summer Term:	N/A	N/A	N/A	N/A

*Application to the Graduate Certificate in Surgical Innovation is only available for the Fall term.

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

11.121.104 Surgery, Experimental Faculty

Director

F. Mwale

Professors

J. Antoniou, A. Aprikian, A. Barkun, J. Barkun, J. Barralet Beng, P. Brodt, F. Carli, S. Chevalier, P. Chan, S. Daniel, M.M. Elhilali, S. Emil, L. Feldman, L. Ferri, G.M. Fried, P. Gordon, L. Haglund, R. Hamdy, E. Harvey, T.E. Hebert, W. Kassouf, J.M. Laberge, F. Mwale, S. Meterissian, P. Metrakos, D.S. Mulder, J.A. Ouellet, A. Philip, D. Poenaru, C. Reinhold, L. Rosenberg, D. Shum-Tim, R. St. Arnaud, T. Taketo-Hosotani, S. Tanguay, M. Tanzer, C.I. Tchervenkov, J.I. Tchervenkov, R. Turcotte, A. Zini

Associate Professors

S. Antonian, G. Baldini, M. Basik, S. Bergman, G. Berry, O. Blaschuk, M. Boutros, R. Cecere, R. Chaytor, D. Deckelbaum, D. Fleiszer, S. Fraser, M. Gilardino, T. Hemmerling, K. Khwaja, K.J. Lachapelle, J. Lapointe, L. Lessard, P.A. Martineau, A. Meguerditchian, C. O'Flaherty, S. Paraskevas, P. Puligandla, T. Razek, R. Reindl, J. Sampalis, J. Spicer, T. Steffen, O. Steinmetz, A. Thomson, M. Vassiliou, D. Zukor

Assistant Professors

A. Aoude, S. Bergeron, M. Burman, L. Campeau, M. Corriveau, O. Court, A. Dragomir, N. Eliopoulos, J. Faria, J. Fiore, H. Flageole, R. Gawri, E. Girsowicz, J. Harley, O. Huk, P. Jarzem, D. Labbe, E. Lee, L. Lee, I. Litvinov, S.K. Loganathan, K. Mackenzie, J. Marcoux, E. Mitmaker, C. Mueller, M. Petropavlovskaja, D. Rosenzweig, N. Saran, K. Shaw, J. Vorstenbosch

Adjunct Professor

Louis-Nicolas Veilleux

Associate Members

J. Alfieri, A. Arnaert, M.N. Burnier, M. Cantarovich, J.P. Capolicchio, J.C. Chen, F. Cury, M. Falcao, C.E. Ferland-Legault, P. Goldberg, A. Gursahaney, S. Hussein, R. Koenekoop, S. Komarova, M. Larouche, J.J. Lebrun, P. Lefrancois, N.M. Makhoul, S. Mayrand, M. Murshed, P.H-N. Nguyen, S. Prakash, I. Prakash, J. Przybyl, L.A. Stein, M. Tabrizian, B.M. Willie

Professors of Practice

S. Arless, S. Kozlick

11.121.105 Master of Science (M.Sc.) Experimental Surgery (Thesis) (45 credits)

The M.Sc. in Experimental Surgery offers a graduate-level training program in experimental surgery, leading to a Master's degree. This program 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. The program offers

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
EXSU 621	(3)	Surgical Innovation 2

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 (3 credits)

3 credits taken from 500-, 600-, or 700- level courses in consultation with the Research Advisory Committee.

Depending on their individual background, students may be asked by their Research Supervisory Committee to take additional courses.

11.121.1010 Master of Science (M.Sc.) Experimental Surgery (Thesis): Surgical Outcomes Research (45 credits)

The M.Sc. in Experimental Surgery; Surgical Outcomes Research program focuses on the science of measuring and improving the outcomes of surgical patients. Coursework addresses research methods, biostatistics, and strategies to measure and improve postoperative outcomes. The thesis component of the program must focus on a topic in the field of surgical outcomes research.

Required Courses (33 credits)

EXSU 610	(3)	Surgical Outcomes Research Foundations
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

Complementary Courses (12 credits)

3 credits from the following:

EPIB 600	(3)	Clinical Epidemiology
EXMD 600	(3)	Principles of Clinical Research

3 credits from the following:

EPIB 507	(3)	Biostats for Health Sciences
EXMD 634	(3)	Quantitative Research Methods

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
FMED 525	(3)	Foundations of Translational Science

6 credits selected from the following*:

EDPE 637	(3)	Issues in Health Professions Education
EDPH 689	(3)	Teaching and Learning in Higher Education
EPIB 521	(3)	Regression Analysis for Health Sciences
EXSU 505	(3)	Trends in Precision Oncology
EXSU 620	(3)	Surgical Innovation 1
EXSU 621	(3)	Surgical Innovation 2
PPHS 528	(3)	Economic Evaluation of Health Programs

*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.

11.121.1012 Doctor of Philosophy (Ph.D.) Experimental Surgery

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)

EXSU 700	(0)	Comprehensive Examination
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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 (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 aspects of clinical activity in their focus themes. Trainees learn basic prototyping skills, start up organization and project management, supplemented by a basic statistics course and an introduction to the current status of biomedical research innovation. This certificate provides a solid foundation in the innovation process.

Required Courses (12 credits)

9 credits in:

EXSU 619	(3)	The Hospital Environment
EXSU 620	(3)	Surgical Innovation 1
EXSU 621	(3)	Surgical Innovation 2

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

Some courses may be substituted with equivalents if timetabling requires it.

Elective Course (3 credits)

3 credits at the 500 level or higher, taken in consultation with the program director/adviser.

11.121.1014 Graduate Diploma (Gr. Dip.) Surgical Innovation (30 credits)

The cores of this 30-credit program are two-fold. Firstly, two innovation courses are offered by the McGill Department of Experimental Surgery (EXSU 620-Surgical Innovation & 621-Surgical Innovation 2) and supporting courses are delivered by the McGill Department of Surgery with some sessions in those courses provided by external partners: Local Industry (Regulatory & IP), the John Molson School of Business (JMSB) (lean start-up), Concordia University (software design), and L'École de technologie supérieure (ETS) (prototyping). Secondly, fundamental business and management courses provided by the School of Continuing Studies (McGill) and JMSB are taken concurrently and reinforce the innovation project team experience. Students embark on a hospital-based needs finding process by observing all aspects of clinical activity in their focus themes. The trainees learn basic prototyping skills, start-up

organization, and project management. This is supplemented by a basic statistics course and an introduction to the current status of biomedical research innovation. This graduate diploma then gives a business-oriented training in the surgical innovation process.

Required Courses (15 credits)

12 credits in:

CORG 556	(3)	Managing and Engaging Teamwork
EXSU 619	(3)	The Hospital Environment
EXSU 620	(3)	Surgical Innovation 1
EXSU 621	(3)	Surgical Innovation 2

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 from the following:

CACC 520	(3)	Accounting for Management
CMR2 542	(3)	Marketing Principles and Applications
CPL2 510	(3)	Communication and Networking Skills

Or:

9 credits of graduate-level courses taken at Concordia University, chosen in consultation with the program director/adviser.

Elective Courses (6 credits)

6 credits at the 500 level or higher, taken in consultation with the program director/adviser.

Some courses may be substituted with equivalents at the 500 level or higher if timetabling or background of the student requires it, e.g., prior qualification in accounting.

11.12.2 Biomedical Sciences**11.12.2.1 Location**

School of Biomedical Sciences
3605 de la Montagne
Montreal QC H3G 2M1
Website: mcgill.ca/medhealthsci/education/our-schools-1829-present/school-biomedical-sciences

11.12.2.2 Anatomy and Cell Biology**11.12.2.2.1 Location**

Department of Anatomy and Cell Biology
Strathcona Anatomy and Dentistry Building
3640 University Street, Rooms M21-M31
Montreal QC H3A 0C7
Canada
Telephone: 514-398-6350
Fax: 514-398-5047
Website: mcgill.ca/anatomy

11.12222 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.

11.12223 Anatomy and Cell Biology Admission Requirements and Application Procedures

11.122231 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 an associate member of the Department of Anatomy and Cell Biology (Adjunct members may serve only as co-supervisors while the primary supervisor must be a full or associate member of the Department). Recommendation for admission will be made once the applicant has secured a supervisor and adequate financial support. Financial support should be in the form of a stipend from the supervisor's research grant or a fellowship held by the student.

Master's Program (Cell Biology)

1. A B.Sc. degree in life sciences or any of M.D., D.D.S., or D.V.M. degrees from a university of recognized reputation
2. Evidence of a high academic achievement with a minimum cumulative grade point average (CGPA) of 3.0 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.

11.1222321 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.

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	April 21	June 21	June 21
Winter Term:	Feb. 15	Sept. 1	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.

11.12224 Anatomy and Cell Biology Faculty

Chair

Craig Mandato

Emeritus Professors

Gary C. Bennett, John J.M. Bergeron, James R. Brawer, Louis Hermo, Sandra C. Miller, Dennis G. Osmond, Hershey Warshawsky

Professors

Chantal Autexier, Samuel David, Elaine Davis, Timothy Kennedy, Nathalie Lamarche-Vane, Marc D. McKee, Peter McPherson, Carlos R. Morales, Joaquin Ortega, Barry I. Posner, Dieter Reinhardt, Alfredo Ribeiro-da-Silva, Wayne Sossin, Stefano Stifani, Hojatollah Vali, Dominique Walker

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: christine.laberge@mcgill.ca
Website: mcgill.ca/biochemistry

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 University and by the Canadian Institutes of Health Research (CIHR) through its Strategic Training Initiatives program.

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 mentors. The program is supported by McGill University and by the Canadian Institutes of Health Research (CIHR) through its Strategic Training Initiatives program.

The program of training incorporates several important features, including a diverse curriculum and programs of seminars, workshops, and discussion groups designed to provide students with a well-rounded exposure to both the chemical and biological aspects of the discipline. The Ph.D. option provides advanced training in Chemical Biology based on independent research.

Financial support for students in the program is available from a variety of sources, including competitively awarded CIHR-funded Chemical Biology Scholarship awards.

11.12.2.3.3 Biochemistry Admission Requirements and Application Procedures**11.12.2.3.3.1 Admission Requirements**

Admission is based on the candidate's academic record, letters of recommendation, curriculum vitae, and personal statement. A minimum grade point average of 3.2/4.0 (B+) is required. Once a student has submitted all the required documents, the applicant's file will be reviewed by the Graduate Admission Committee. Files that do not meet the minimum requirement will not be considered. Applicants must also be accepted by a research supervisor who is a faculty member or associate member of the Department of Biochemistry. Recommendation for admission will be made once the applicant has secured a supervisor and adequate financial support. Financial support should be in the form of a stipend from the supervisor's research grant or a fellowship held by the student.

Master's Program

Candidates for the M.Sc. degree must hold a B.Sc. degree or its equivalent in Biochemistry or in related disciplines (e.g., biology, chemistry, physiology, microbiology).

Doctoral Program

Candidates who have completed their M.Sc. degree may be admitted directly to the Ph.D. program. Candidates who are admitted to the M.Sc. program and who are interested in the Ph.D. may transfer into the Ph.D. program after successfully completing the transfer seminar (BIOC 701) and all course requirements. The M.Sc. thesis requirement is then waived.

International Applicants

Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit the following:

- **TOEFL** (Test of English as a Foreign Language): N.B. an institutional version of the TOEFL is not acceptable. Minimum acceptable scores are: IBT (Internet-Based Test): 86 overall, no less than 20 in each of the four component scores.
- or
- **IELTS**: (International English Language Testing System): a band score of 6.5 or greater (Academic module)
- International students who have received their degree outside North America should submit **GRE** scores: The GRE is not required but is recommended for international students. The Biochemistry subject test is now part of the Biology test. The most important sub-score is "Cellular and Molecular Biology", followed by "Evolution"; "Organismal Biology and Ecology" is less important.

For additional information, please consult the department's [website](#).

Admission Requirements – Bioinformatics or Chemical Biology Option (options are not offered at this time- in review)

As for the regular graduate programs of the Biochemistry Department, acceptance into the Bioinformatics or Chemical Biology option consists of two steps:

1. Preliminary approval by the Department's Graduate Admission Committee based on the student's transcript, references, and other documents submitted with the application. The criteria for assessment at this level are the same as for the regular graduate programs of the Department.
2. Acceptance by a Bioinformatics or Chemical Biology research director. The director must propose a research project for the student that provides training in the methods and philosophy of Chemical Biology. Project proposals are assessed by the Bioinformatics or Chemical Biology Program Committee.

11.122332 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. Information for prospective students is also available on the Department of Biochemistry's [website](#).

All applicants are advised to contact potential research supervisors during or before the application process since supervisor acceptance is required. Information about the research interests of faculty members can be found at mcgill.ca/biochemistry/research and mcgill.ca/biochemistry/about-us/department/faculty-members.

11.122332.1 Additional Requirements

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

- Curriculum Vitae
- Personal Statement
- Agreement of a faculty member to act as Thesis Supervisor and to provide adequate financial support
- Acceptance by a Bioinformatics or Chemical Biology research director

11.122333 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Biochemistry and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program.

	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	April 20	June 15	June 15
Winter Term:	Feb. 15	Sept. 1	Nov. 1	Nov. 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.

11.12234 Biochemistry Faculty

Chair

Albert Berghuis

Emeritus Professors

Rhoda Blostein, Philip E. Branton, Peter E. Braun, Robert E. MacKenzie, Walter E. Mushynski, Joseph Shuster, John R. Silvius, Clifford P. Stanners, Maria Zannis-Hadjopoulos, Imed Gallouzi

Professors

Nicole Beauchemin, Albert Berghuis, Maxime Bouchard, Josée Dostie, Thomas Duchaine, Kalle Gehring, Vincent Giguère, Philippe Gros, Alba Guarné, Roderick R. McInnes, William Muller, Bhushan Nagar, Alain Nepveu, Morag Park, Arnim Pause, Jerry Pelletier, Martin Schmeing, Nahum Sonenberg, Jose G. Teodoro, David Y. Thomas, Michel L. Tremblay.

Associate Professors

Sidong Huang, Selena M. Sagan, Ian Watson, Jason C. Young.

Assistant Professors

Natasha C. Chang, Maxime Denis, Lawrence Kazak, William Pastor, Maria Vera Ugalde.

Associate Members

Gary Brouhard, Marc Fabian, Robert S. Kiss, Gergely Lukacs, Luke McCaffrey, Joaquin Ortega, Janusz Rak, Stéphane Richard, Reza Salavati, Erwin Schurr, Peter Siegel, Ivan Topisirovic, Youla S. Tsantrizos, Bernard Turcotte, Josie Ursini-Siegel, Simon Wing, Xiang-Jiao Yang, Natalie Zeytun.

Adjunct Professors

Jacques Drouin, Enrico Purisima, Julie St-Pierre.

11.12235 Master of Science (M.Sc.) Biochemistry (Thesis) (45 credits)**Thesis Courses (36 credits)**

BIOC 697	(9)	Thesis Research 1
BIOC 698	(12)	Thesis Research 2
BIOC 699	(15)	Thesis Research 3

Required Course (3 credits)

BIOC 696	(3)	Seminars in Biochemistry
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Complementary Courses* (6 credits)

At least 3 credits must be chosen 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 minimum of 6 total complementary course credits, of 500- or higher-level courses in biomedical and allied sciences.

* Complementary courses are chosen in consultation with the Research Director.

The Graduate Advisory Committee may stipulate additional coursework depending on the background of the candidate. BIOC 450 (Protein Structure and Function) and BIOC 454 (Nucleic Acids) are additional requirements for those who have not previously completed equivalent courses in their prior training.

11.12236 Master of Science (M.Sc.) Biochemistry (Thesis): Bioinformatics (45 credits)**Thesis Courses (30 credits)**

BIOC 694	(3)	Thesis Research 4
BIOC 698	(12)	Thesis Research 2
BIOC 699	(15)	Thesis Research 3

Required Courses (6 credits)

BIOC 696	(3)	Seminars in Biochemistry
COMP 616D1	(1.5)	Bioinformatics Seminar
COMP 616D2	(1.5)	Bioinformatics Seminar

Complementary Courses* (9 credits)

3 credits to be chosen from the following courses:

BIOC 600	(3)	Advanced Strategies in Genetics and Genomics
BIOC 603	(3)	Genomics and Gene Expression
BIOC 604	(3)	Macromolecular Structure
BIOC 605	(3)	Protein Biology and Proteomics
BIOC 670	(3)	Biochemistry of Lipoproteins
EXMD 615	(3)	Essentials of Glycobiology
EXMD 635D1	(3)	Experimental/Clinical Oncology
EXMD 635D2	(3)	Experimental/Clinical Oncology

Plus 6 credits from the following courses:

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

* Complementary courses are chosen in consultation with the Research Director.

The Graduate Advisory Committee may stipulate additional coursework depending on the background of the candidate. BIOC 450 (Protein Structure and Function) and BIOC 454 (Nucleic Acids) are additional requirements for those who have not previously completed equivalent courses in their prior training.

11.12237 Master of Science (M.Sc.) Biochemistry (Thesis): Chemical Biology (47 credits)**Thesis Courses (33 credits)**

BIOC 695	(6)	Thesis Research 1 (Chemical - Biology)
BIOC 698	(12)	Thesis Research 2
BIOC 699	(15)	Thesis Research 3

Required Course (3 credits)

BIOC 696	(3)	Seminars in Biochemistry
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Complementary Courses* (11 credits)

Two of the following courses:

BIOC 610	(1)	Seminars in Chemical Biology 1
BIOC 611	(1)	Seminars in Chemical Biology 3
BIOC 689	(1)	Seminars in Chemical Biology 2
BIOC 690	(1)	Seminars in Chemical Biology 4

At least 3 credits from the following:

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

Required Courses (3 credits)

BIOC 696*	(3)	Seminars in Biochemistry
BIOC 701**	(0)	Research Seminar 1
BIOC 702**	(0)	Ph.D. Thesis Proposal
BIOC 703**	(0)	Ph.D. Seminar

*Students promoted directly from the M.Sc. to the Ph.D. program, and who registered for and passed BIOC 696 at the M.Sc. level, do not register for BIOC 696 at the Ph.D. level.

** NOTE: Students DO NOT register for these courses until notified by the Student Affairs Officer.

Students must complete BIOC 701 in the third term after admission to the program, BIOC 702 in the fifth or sixth term, and BIOC 703 approximately six months prior to submission of the Ph.D. thesis.

Complementary Courses*** (6 credits)

At least 3 credits selected from:

BIOC 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 minimum of 6 total complementary course credits of 500- or higher-level courses in the biomedical and allied sciences.

*** Complementary courses are chosen in consultation with the Research Director.

The Graduate Advisory Committee may stipulate additional course work depending on the background of the candidate. BIOC 450 (Protein Structure and Function) and BIOC 454 (Nucleic Acids) are additional requirements for those who have not previously completed equivalent courses in their prior training.

11.12.23.9 Doctor of Philosophy (Ph.D.) Biochemistry: 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 (6 credits)

BIOC 696*	(3)	Seminars in Biochemistry
BIOC 701**	(0)	Research Seminar 1
BIOC 702**	(0)	Ph.D. Thesis Proposal
BIOC 703**	(0)	Ph.D. Seminar
COMP 616D1	(1.5)	Bioinformatics Seminar
COMP 616D2	(1.5)	Bioinformatics Seminar

* Students promoted directly from the M.Sc. to the Ph.D. program, and who registered for and passed BIOC 696 at the M.Sc. level, do not register for BIOC 696 at the Ph.D. level.

** NOTE: Students DO NOT register for these courses until notified by the Student Affairs Officer.

Students must complete BIOC 701 in the third term after admission to the program, BIOC 702 in the fifth or sixth term, and BIOC 703 approximately six months prior to submission of the Ph.D. thesis.

Complementary Courses*** (9 credits)

3 credits from the following:

BIOC 600	(3)	Advanced Strategies in Genetics and Genomics
BIOC 603	(3)	Genomics and Gene Expression
BIOC 604	(3)	Macromolecular Structure
BIOC 605	(3)	Protein Biology and Proteomics
BIOC 670	(3)	Biochemistry of Lipoproteins
EXMD 615	(3)	Essentials of Glycobiology
EXMD 635D1	(3)	Experimental/Clinical Oncology
EXMD 635D2	(3)	Experimental/Clinical Oncology

Plus 6 credits from the following:

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

*** Complementary courses are chosen in consultation with the Research Director.

The Graduate Advisory Committee may stipulate additional coursework depending on the background of the candidate. BIOC 450 (Protein Structure and Function) and BIOC 454 (Nucleic Acids) are additional requirements for those who have not previously completed equivalent courses in their prior training.

11.1223.10 Doctor of Philosophy (Ph.D.) Biochemistry: Chemical 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 (7 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
BIOC 696*	(3)	Seminars in Biochemistry
BIOC 701**	(0)	Research Seminar 1
BIOC 702**	(0)	Ph.D. Thesis Proposal
BIOC 703**	(0)	Ph.D. Seminar

* Students promoted directly from the M.Sc. to the Ph.D. program, and who registered for and passed BIOC 696 at the M.Sc. level, do not register for BIOC 696 at the Ph.D. level.

** NOTE: Students DO NOT register for these courses until notified by the Student Affairs Officer.

Students 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

11.12.2.4.2 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;
- medical imaging;
- microfluidics;
- nanomedicine and nanotechnology;
- bioinformatics in genomics and proteomics.

Staff members are also active in more applied research related to the development of quantitative analysis tools and instruments for biomedical research. Areas of activity here include: signal analysis, system identification, modelling, simulation and parameter estimation, image processing, pattern recognition, ultrasound, and biorobotics.

section 11.12.2.4.5: 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.

section 11.12.2.4.6: Graduate Certificate (Gr. Cert.) Translational Biomedical Engineering (15 credits)

This program will enable students to translate advances in biomedical engineering research to clinical and commercial solutions. Students will learn the complementary skills needed to take early-stage research results from the bench to the bedside and bridge the gap between invention and product innovation.

The graduate certificate responds to the demand from students for such training and addresses the needs of the biomedical industry for such highly qualified personnel.

For additional information, see the [Biomedical Engineering website](#).

11.12243 Biomedical Engineering Admission Requirements and Application Procedures**11.122431 Admission Requirements**

See [University Regulations & Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.2: Admission Requirements \(Minimum Requirements to be Considered for Admission\)](#). In addition, please see the Department's website: mcgill.ca/bme/programs/certificate.

11.122432 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.

11.122433 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Biomedical Engineering and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program.

	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.

11.12244 Biomedical Engineering Faculty**Chair**

D. Juncker

Emeritus Professors

T.M.S. Chang; H.L. Galiana.

Professors

D.L. Collins; D. Juncker; R.E. Kearney; S. Prakash; M. Tabrizian.

Associate Professors

W.R.J. Funnell; D. Bzdok.

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

11.12.24.6 Graduate Certificate (Gr. Cert.) Translational Biomedical Engineering (15 credits)

This program comprises mandatory courses dealing with topics that are unique to the translational process in the biomedical engineering environment. Topics covered will include: managing intellectual property; patents and the patenting process; regulatory affairs; medical standards; quality management systems; and clinical trials. Complementary courses will provide students with advanced training in a specialized area of biomedical engineering selected from the areas where Departmental staff have significant expertise.

In cases where students have taken one or more of the core courses as part of another program, these core courses will be replaced with the equivalent number of credits, at the 500 level or higher, by other appropriate courses selected in consultation with the program director.

Required Courses (9 credits)

Three courses dealing with issues related specifically to the translation of biomedical engineering advances to clinical and commercial environments:

BMDE 653	(3)	Patents in Biomedical Engineering
BMDE 654	(3)	Biomedical Regulatory Affairs - Medical Devices
BMDE 655	(3)	Biomedical Clinical Trials - Medical Devices

Complementary Courses (6 credits)

Students must complete 6 credits of biomedical engineering course work selected from one or more of the following domains or other appropriate courses at the 500 level or higher approved by the Program Director:

General Biomedical Engineering

BMDE 501	(3)	Selected Topics in Biomedical Engineering
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Biomedical Signals and Systems

BMDE 502	(3)	BME Modelling and Identification
BMDE 503	(3)	Biomedical Instrumentation
BMDE 512	(3)	Finite-Element Modelling in Biomedical Engineering
BMDE 519	(3)	Biomedical Signals and Systems

Medical Imaging

BIEN 530	(3)	Imaging and Bioanalytical Instrumentation
BMDE 610	(3)	Functional Neuroimaging Fusion
BMDE 650	(3)	Advanced Medical Imaging
MDPH 607	(3)	Medical Imaging

Biomaterials and Tissue Engineering

BIEN 510	(3)	Engineered Nanomaterials for Biomedical Applications
BMDE 504	(3)	Biomaterials and Bioperformance
BMDE 505	(3)	Cell and Tissue Engineering

Biosensors and Devices

BIEN 550	(3)	Biomolecular Devices
BIEN 560	(3)	Design of Biosensors

BMDE 503	(3)	Biomedical Instrumentation
BMDE 508	(3)	Introduction to Micro and Nano-Bioengineering

Translational Biomedical Engineering

BMDE 656	(3)	Medical Device 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 program, M.Sc. in Genetic Counselling, as well as research training at both the M.Sc. and Ph.D. levels in Human Genetics. Both the M.Sc. and Ph.D. in Human Genetics research programs require the completion of a thesis, which is the major focus of the student's effort. A minimal amount of coursework is required, but specific course choices are flexible and vary according to the student's previous training and current research interest.

Most of the faculty members of the Human Genetics Department are located in McGill teaching hospitals, reflecting the medically learned knowledge at the core of human genetic studies.

Faculty members have a wide variety of research interests, which embrace:

- cancer genetics;
- cytogenetics;
- reproductive biology;
- neurogenetics;
- genomic and genetic basis of human diseases.

Detailed information regarding faculty research interests can be found on the [Department website](#).

The Graduate Training Committee requires that students who have been accepted into the M.Sc. or Ph.D. in Human Genetics research graduate program have a guaranteed minimum stipend of \$15,000, plus the full amount of tuition and fees. Detailed information regarding financial matters can be found on the [Student Funding webpage](#).

Tuition Assistance Packages

A certain number of tuition assistance packages will be offered to incoming out-of-province/international students for the M.Sc. or Ph.D. in Human Genetics thesis program who have demonstrated outstanding academic achievement. Students who have a **CGPA of 3.5 out of 4.0 or above** (as converted by the McGill GPS guidelines) and who submit online application and documents by **March 31 (Fall), or Sept. 10 (Winter)** will automatically be considered eligible for assistance. Once applications have been received by the deadline, the Graduate Training Committee will review all eligible applications and award tuition assistance to certain top eligible candidates at the time of admission into the program.

section 11.12.2.5.5: Master of Science (M.Sc.) Human Genetics (Thesis) (45 credits)

The Department of Human Genetics provides a unified curriculum of study in genetics. Areas of specialization include:

- biochemical genetics
- genetics of development
- animal models of human diseases
- cancer genetics
- molecular pathology
- gene therapy
- 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

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Human Genetics and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program.

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. However, these applications will not be considered for departmental funding or entrance awards.

* The **M.Sc. Genetic Counselling program** accepts applications for the Fall term only. **No late applications or applications for Summer or Winter terms for the Genetic Counselling program will be considered under any circumstances.**

11.12.25.4 Human Genetics Faculty**Chair**

E.A. Shoubridge

Program Directors

J. Fitzpatrick, A. Naumova

Emeritus Professors

F. Kaplan, K. Morgan, L. Pinsky, C. Scriver

Professors

E. Andermann, B. Brais, W. Foulkes, B. Knoppers, M. Lathrop, D. Malo, R. McInnes, R. Palmour, D. Radzioch, D.S. Rosenblatt, R. Rozen, E. Schurr, E.A. Shoubridge, R. St-Arnaud, P. Tonin, J. Trasler, S. Vidal

Associate Professors

A. Ao, G. Bourque, N. Braverman, K. Dewar, R. Hernandez, Y. Joly, J. Majewski, P. Moffatt, R. Nadon, I. Ragoussis, L. Russell, A. Ryan, R. Sladek, R. Slim, Y. Yamanaka

Assistant Professors

D. Buhas, L. Cartier, G. Chong, C. Crist, M-D. D'Agostino, I. De Bie, J. Fitzpatrick, S. Gravel, C. Kleinman, D. Langlais, B. Mucha-Le Ny, H. Najafabadi, L-C. Palma, I. Ragoussis, Y. Riaz Alhosseini, J.-B. Rivière, A. Ruchon, V. Soleimani, D. Torgerson, Y. Trakadis, L. Walsh

Lecturers

N. Anoja, L. Baret, C. Bascunana, K-E. Canales, S. Drury, S. Fox, M. Lalous, L. Macrae, M. Richard, G. Sillon, E. Weber, L. Whelton, N. Wong

Adjunct Professors

C-M. Chisholm, T. Chiu, M. Cloutier, E. Creede, L. Gallagher, D. Gauquier, C. Goldsmith, B. Gottlieb, E-L. Grundberg, V.A. Hastings, C. Honeywell, T-M. Pastinen, J. Rutberg

Adjunct Member

D. Vinh

Associate Members

P. Gros, D. Thomas, J. Kimmelman, J. Genest, J. Lavoie, L. Diatchenko, C. Polychonakos, B. Richards, C. Polychonakos, B. Richards, C. Greenwood, S. Ali, S. Richard, S-A. Rabbani, R. Gold, D. Cournoyer, J. Engert, L. Garzia, B. Gilfix, C. Gilpin, G.Hendy, R. Koenekoop, A. Peterson, F. Rauch, M. Trifiro, I. Gupta, G. Rouleau, Z. Gan-Or, M. Srour, A. Naumova, C. Goudie, N. Jabado, L. Majewska, J. Mitchell, J. Rak, R. Jooper, G. Turecki, C. Ernst

11.12255 Master of Science (M.Sc.) Human Genetics (Thesis) (45 credits)**Thesis Courses (33 credits)**

HGEN 680	(9)	M.Sc. Thesis Research 1
HGEN 681	(12)	M.Sc. Thesis Research 2
HGEN 682	(12)	M.Sc. Thesis Research 3

Required Courses (6 credits)

HGEN 662	(3)	Laboratory Research Techniques
HGEN 692	(3)	Human Genetics

Complementary Courses (6 credits)

6 credits chosen from the departmental offerings below or from 500-, 600-, or 700-level courses offered in the Faculties of Medicine or Science:

HGEN 660	(3)	Genetics and Bioethics
HGEN 661	(3)	Population Genetics
HGEN 663	(3)	Beyond the Human Genome
HGEN 670	(3)	Advances in Human Genetics 1
HGEN 690	(3)	Inherited Cancer Syndromes
HGEN 693	(3)	Using Bioinformatics Resources
HGEN 695	(3)	Psychiatric Genetics
HGEN 696	(3)	Advanced Readings in Genetics 1
HGEN 697	(3)	Advanced Readings in Genetics 2
HGEN 698	(3)	Advanced Readings in Genetics 3
HGEN 699	(3)	Advanced Readings in Genetics 4

Note: The Graduate Advisory Committee may stipulate additional coursework at the 500, 600, or 700 level depending on the background of the candidate.

11.12256 Master of Science (M.Sc.) Human Genetics (Thesis): Bioinformatics (45 credits)

** This program is currently not offered. **

Thesis Courses (33 credits)

HGEN 680	(9)	M.Sc. Thesis Research 1
HGEN 681	(12)	M.Sc. Thesis Research 2
HGEN 682	(12)	M.Sc. Thesis Research 3

Required Courses (6 credits)

COMP 616D1	(1.5)	Bioinformatics Seminar
COMP 616D2	(1.5)	Bioinformatics Seminar
HGEN 692	(3)	Human Genetics

Complementary Courses (6 credits)

6 credits from the following courses:

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

Note: The Graduate Advisory Committee may stipulate additional coursework at the 500, 600, or 700 level depending on the background of the candidate.

11.12.25.7 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
RELG 571	(3)	Ethics, Medicine and Religion

11.12.25.8 Master of Science (M.Sc.) Genetic Counselling (Non-Thesis) (48 credits)**Required Courses (48 credits)**

HGEN 600D1	(3)	Genetic Counselling Practicum
HGEN 600D2	(3)	Genetic Counselling Practicum
HGEN 601	(3)	Genetic Counselling Principles
HGEN 610D1	(3)	Genetic Counselling: Independent Studies
HGEN 610D2	(3)	Genetic Counselling: Independent Studies
HGEN 617	(3)	Principles of Medical Genetics
HGEN 620	(3)	Introductory Field Work Rotations 1
HGEN 621	(6)	Introductory Field Work Rotations 2
HGEN 630D1	(6)	Advanced Field Work Rotations
HGEN 630D2	(6)	Advanced Field Work Rotations
HGEN 640	(3)	Second Year Practicum 1

HGEN 641	(3)	Second Year Practicum 2
IPEA 503	(0)	Managing Interprofessional Conflict
PATH 653	(3)	Reading and Conference

11.1225.9 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
HGEN 698	(3)	Advanced Readings in Genetics 3
HGEN 699	(3)	Advanced Readings in Genetics 4

Students are restricted to taking the following course.

HGEN 670	(3)	Advances in Human Genetics 1
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Note: The Graduate Advisory Committee may stipulate additional coursework depending on the background of the candidate.

11.1225.10 Doctor of Philosophy (Ph.D.) Human Genetics: Bioinformatics

** This program is currently not offered. **

Thesis

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

Required Courses (6 credits)

COMP 616D1	(1.5)	Bioinformatics Seminar
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COMP 616D2	(1.5)	Bioinformatics Seminar
HGEN 692	(3)	Human Genetics
HGEN 701	(0)	Ph.D. Comprehensive Examination

Complementary Courses (6 credits)

* Two courses 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

* Note: Students who enter in Ph.D. 1 will need to take an additional 6 credits of complementary courses chosen from the departmental offerings listed for the Ph.D. in Human Genetics and/or from among 500-, 600-, or 700-level courses in the Faculties of Medicine or Science.

11.12.2.6 Microbiology and Immunology

11.12.2.6.1 Location

Department of Microbiology and Immunology
 Duff Medical Building, Room 511
 3775 University Street
 Montreal QC H3A 2B4
 Canada
 Telephone: 514-398-3061
 Fax: 514-398-7052
 Email: grad.microimm@mcgill.ca
 Website: mcgill.ca/microimm

11.12.2.6.2 About Microbiology and Immunology

The Department offers graduate programs leading to the degrees of **M.Sc.** and **Ph.D.**. Each program is tailored to fit the needs and backgrounds of individual students. The graduate program is designed to offer students state-of-the-art training, concentrating on four key areas of research:

- cellular and molecular immunology;
- microbial physiology and genetics;
- molecular biology of viruses;
- medical microbiology.

Basic research discoveries in microbiology may lead to improved drug design and vaccine development to treat and prevent diseases. The Department has many notable facilities and resources, including a cell sorter, ultra centrifuges, confocal microscope, real-time PCR facilities, cryostat for immunocytochemistry, and facilities for radio-isotope studies and infectious diseases. We foster close ties with McGill's teaching hospitals and research centres to promote multidisciplinary research.

section 11.12.2.6.5: Master of Science (M.Sc.) Microbiology and Immunology (Thesis) (45 credits)

The primary goal of this program is to provide students with unique opportunities to learn experimental designs and fundamental research techniques, and objectively synthesize information from scientific literature. These tools enable the students to focus on major research topics offered by the Department: molecular microbiology, mycology, microbial physiology, virology, genetics, immunology, drug design, and aspects of host-parasite relationships. Each M.Sc. student chooses their preferred major research area and research supervisor. Following an interview, the student is presented with a research topic and offered a studentship (amounts vary). Each student must register for our graduate courses (two seminars, two reading and conference courses). If pertinent to the student's research program, the research adviser may advise the student to take additional courses.

Most of our students, after one year, are proficient researchers, and some first authors of a research publication. M.Sc. students may fast-track to the Ph.D. program after three terms of residency. The remaining students advance their microbiology background by opting to enter into medicine, epidemiology, biotechnology, or pharmaceutical disciplines.

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

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.

All applicants must approach academic staff members directly during or before the application process since no applicants are accepted without a supervisor.

11.12.2.6.3.2.1 Additional Requirements

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

- [Supervisor Confirmation Form](#)
- Personal Statement
- CV

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

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	April 22	June 13	June 13
Winter Term:	Feb. 15	Sept. 1	Nov. 1	Nov. 1
Summer Term:	May 15	Jan. 6	March 25	March 25

Online applications and all required documents must be submitted prior to the application deadline.

11.12.264 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. Marczynski, 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. Moulard, 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

11.12.265 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

MIMM 618*	(3)	Reading and Conference 3
MIMM 619*	(3)	Reading and Conference 4
NEUR 502	(3)	Basic and Clinical Aspects of Neuroimmunology

Any life sciences-related 500-level or above course (3 credits). Department approval required.

* Not offered in every academic year.

11.12.2.6 Doctor of Philosophy (Ph.D.) Microbiology and Immunology

The primary goal of the Ph.D. program is to create a self-propelled researcher, proficient in experimental designs and advanced methodologies applicable to the varied and rapidly changing disciplines in microbiology and immunology. Close research supervision and bi-weekly laboratory sessions impart the requisite research discipline and objective assessment of acquired or published research data.

Thesis

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

Required Courses (9 credits)

MIMM 611	(3)	Graduate Seminars 1
MIMM 612	(3)	Graduate Seminars 2
MIMM 701	(0)	Comprehensive Examination-Ph.D. Candidate
MIMM 713	(3)	Graduate Seminars 3

Complementary Courses (9 credits)

9 credits from the following:

MIMM 616	(3)	Reading and Conference 1
MIMM 617	(3)	Reading and Conference 2
MIMM 618	(3)	Reading and Conference 3
MIMM 619	(3)	Reading and Conference 4

OR

Any life sciences-related courses at the 500 level or higher. Departmental approval is required.

11.12.2.7 Pharmacology and Therapeutics

11.12.2.7.1 Location

Department of Pharmacology and Therapeutics
McIntyre Medical Sciences Building
3655 Promenade Sir-William-Osler, Room 1325
Montreal QC H3G 1Y6
Canada
Telephone: 514-398-3623
Fax: 514-398-2045
Email: gradstudies.pharmacology@mcgill.ca
Website: mcgill.ca/pharma

11.12.2.7.2 About Pharmacology and Therapeutics

The Department of Pharmacology and Therapeutics offers training leading to **M.Sc.** (Thesis) and **Ph.D.** degrees.

Pharmacology is a multidisciplinary science that deals with all aspects of drugs and their interactions with living organisms. Thus, pharmacologists study the physical and chemical properties of drugs, their biochemical and physiological effects, mechanisms of action, pharmacokinetics, and therapeutic and other uses. The Department offers broad exposure and training in both basic and clinical research in a range of areas of specialty, including:

- neuropharmacology;

- reproductive pharmacology;
- endocrine pharmacology;
- receptor pharmacology;
- cardiovascular pharmacology;
- cancer;
- developmental pharmacology;
- autonomic pharmacology;
- clinical pharmacology;
- biochemical pharmacology;
- molecular biology;
- toxicology.

The present 51 full and affiliate members of the Department have research laboratories located in the McIntyre Medical Sciences Building and in a variety of hospitals, institutes, and industry including the Douglas Hospital Research Centre, Allan Memorial Institute, Montreal Children's Hospital, Montreal General Hospital, Montreal Heart Institute, Lady Davis Research Institute, Pfizer Canada, and MUHC Research Institute. The participation of researchers from both industry and government ensures the relevance of the Department's applications-oriented training programs.

section 11.12.2.7.5: Master of Science (M.Sc.) Pharmacology (Thesis) (45 credits)

The objective of the M.Sc. (Thesis) and Ph.D. degree training programs is to provide in-depth independent research experience in a specific area of pharmacology. The program leading to a master's degree is designed to provide students the opportunity to acquire knowledge in pharmacology, to conduct a research project, to analyze data, and to write a thesis. Students will also receive essential training in research professionalism and scientific communication.

section 11.12.2.7.6: Master of Science (M.Sc.) Pharmacology (Thesis): Environmental Health Sciences (45 credits)

The M.Sc. in Pharmacology; Environmental Health Sciences focuses on the interplay between the environment and health. Environmental health research is highly interdisciplinary; students will be given the opportunity to acquire a broad environmental perspective on exposure sciences, hazard screening methodologies, epidemiological approaches, health implications of environmental quality, and policy approaches.

section 11.12.2.7.7: Doctor of Philosophy (Ph.D.) Pharmacology

The objective of the M.Sc. (Thesis) and Ph.D. degree training programs is to provide in-depth independent research experience in a specific area of pharmacology. The program leading to a doctoral degree is designed to provide students the opportunity to acquire knowledge in pharmacology, to conduct an original research project, to analyze data, and to write a thesis. Students will also receive essential training in research professionalism and scientific communication.

section 11.12.2.7.8: Doctor of Philosophy (Ph.D.) Pharmacology: Environmental Health Sciences

The Ph.D. in Pharmacology; Environmental Health Sciences program is designed to train professionals for advanced research, teaching, and leadership positions in environmental health sciences. The Option will add a distinct focus on the interplay between the environment and health research. Students will acquire a broad environmental perspective, including exposure sciences, hazard screening methodologies, epidemiological approaches, health implications of environmental quality, and policy approaches.

section 11.12.2.7.9: Graduate Certificate (Gr. Cert.) Biomedical Science Translational Research (15 credits)

The Graduate Certificate in Biomedical Science Translational Research is an introduction to relevant clinical aspects of translating scientific discovery as a means of bridging the gap between research and application in clinical settings, while promoting future collaboration among scientists, clinicians and clinician-scientists while promoting future collaboration. The program includes clinical mentorship.

11.12.2.7.3 Pharmacology and Therapeutics Admission Requirements and Application Procedures

11.12.2.7.3.1 Admission Requirements

Candidates are required to hold a B.Sc. degree in a discipline relevant to the proposed field of study; those with the M.D., D.D.S., or D.V.M. degrees are also eligible to apply. A background in the health sciences is recommended, but programs in biology, chemistry, mathematics, and physical sciences may be acceptable.

Admission is based on a student's academic record, letters of assessment, and, whenever possible, interviews with staff members. Students are required to take the Graduate Record Examination Aptitude Test (*GRE*) and the Test of English as a Foreign Language (*TOEFL*) or the equivalent, except as follows: in accordance with McGill policy, only those whose mother tongue is English, who graduated from a recognized Canadian institution (anglophone or francophone), or who completed an undergraduate or graduate degree at a recognized foreign institution where English is the language of instruction are exempt from providing proof of competency in English.

Inquiries relating to all aspects of graduate study should be directed to the *Graduate Coordinator*, Department of Pharmacology and Therapeutics, as early as possible in each academic year.

11.122.7.32 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.

11.122.7.32.1 Additional Requirements

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

- Curriculum Vitae
- Personal Statement
- GRE – required for degrees from outside North America

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

	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 15	May 15
Winter Term:	Feb. 15	Aug. 15	Oct. 15	Oct. 15
Summer Term:	N/A	N/A	N/A	N/A

Please refer to our [website](#) for complete deadlines.

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

11.122.7.4 Pharmacology and Therapeutics Faculty**Chair**

G. Multhaup

Graduate Program Director

T. Hébert

Emeritus Professors

R. Capek, B. Collier, P. McLeod, H.H. Zingg,

Professors

D. Bernard, D. Bowie, P.B.S. Clarke, A.C. Cuello, B.F. Hales, T. Hébert, D. Maysinger, A. McKinney, G. Multhaup, A. Ribeiro-da-Silva, B. Robaire, H. Saragovi, M. Szyf, J. Trasler

Associate Professors

B. Castagner, L. Münter, J. Tanny, J.F. Trempe

Assistant Professors

M. McKeague, A. Thanabalasuriar

Associate Members

C. Baglolle, S. Gauthier, S. Laporte, N. Luedtke, K. Mann, S. Nattel, C. O'Flaherty, S. Rousseau, E. Zorychta

Adjunct Professors

B. Allen, S. Chemtob, Y. De Koninck, G. FitzHarris, J. S. Joyal, F. Le Boeuf, T. Sanderson, L. Stone

Affiliate Members

M. Boucher, L. Breton, L. Garolalo, J. Gillard, J. Mancini, K. Meerovitch, C. Wright

11.122.7.5 Master of Science (M.Sc.) Pharmacology (Thesis) (45 credits)

The M.Sc. in Pharmacology focuses on research methodology, conducting a research project, analyzing data, and writing a thesis. It involves training in research professionalism, scientific communication, and statistics, critically analyzing scientific literature, and developing and conducting an original research project for scientific publication.

Thesis Courses (30 credits)

PHAR 696	(3)	Thesis Preparation
PHAR 697	(6)	Thesis Preparation 1
PHAR 698	(9)	Thesis Preparation 2
PHAR 699	(12)	Thesis Preparation 3

Required Courses (15 credits)

PHAR 601	(6)	Research Seminar
PHAR 602	(3)	Principles of Pharmacology
PHAR 609	(1)	Research Professionalism for Pharmacologists
PHAR 610	(2)	Scientific Communication for Pharmacologists
PHAR 712	(3)	Statistics for Pharmacologists

11.122.7.6 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 leadership positions in environmental health sciences. The Option will add a distinct focus on the interplay between the environment and health research, including a broad environmental perspective, exposure sciences, hazard screening methodologies, epidemiological approaches, health implications of environmental quality, and policy approaches.

Thesis Courses (24 credits)

PHAR 696	(3)	Thesis Preparation
PHAR 698	(9)	Thesis Preparation 2
PHAR 699	(12)	Thesis Preparation 3

Required Courses (21 credits)

PHAR 601	(6)	Research Seminar
PHAR 602	(3)	Principles of Pharmacology
PHAR 609	(1)	Research Professionalism for Pharmacologists
PHAR 610	(2)	Scientific Communication for Pharmacologists
PHAR 670	(3)	Principles of Environmental Health Sciences 1
PHAR 671	(3)	Principles of Environmental Health Sciences 2
PHAR 712	(3)	Statistics for Pharmacologists

11.122.7.7 Doctor of Philosophy (Ph.D.) Pharmacology

The Ph.D. in Pharmacology focuses on research methodology, conducting a research project, analyzing data, and writing a thesis. It involves training in research professionalism, scientific communication, and statistics, critically analyzing scientific literature, and developing and conducting an original research project for scientific publication.

Thesis

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

Required Courses (9 credits)

PHAR 602	(3)	Principles of Pharmacology
PHAR 609	(1)	Research Professionalism for Pharmacologists
PHAR 610	(2)	Scientific Communication for Pharmacologists
PHAR 701	(0)	Ph.D. Comprehensive Exam
PHAR 712	(3)	Statistics for Pharmacologists

Complementary Courses (3 credits)

3 credits from the following:

PHAR 702	(3)	Topics in Pharmacology 1
PHAR 703	(3)	Topics in Pharmacology 2
PHAR 704	(3)	Topics in Pharmacology 3
PHAR 705	(3)	Topics in Pharmacology 4
PHAR 706	(3)	Topics in Pharmacology 5
PHAR 707	(3)	Topics in Pharmacology 6

or the equivalent, upon approval by the Graduate Training Committee (GTC.)

11.1227.8 Doctor of Philosophy (Ph.D.) Pharmacology: Environmental Health Sciences

The Ph.D. in Pharmacology; Environmental Health Sciences program is designed to train professionals for advanced basic research, teaching, and leadership positions in environmental health sciences. The Option will add a distinct focus on the interplay between the environment and health research, including a broad environmental perspective, exposure sciences, hazard screening methodologies, epidemiological approaches, health implications of environmental quality, and policy approaches.

Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

Required Courses (15 credits)

PHAR 602	(3)	Principles of Pharmacology
PHAR 609	(1)	Research Professionalism for Pharmacologists
PHAR 610	(2)	Scientific Communication for Pharmacologists
PHAR 670	(3)	Principles of Environmental Health Sciences 1
PHAR 671	(3)	Principles of Environmental Health Sciences 2
PHAR 701	(0)	Ph.D. Comprehensive Exam
PHAR 712	(3)	Statistics for Pharmacologists

Complementary Courses (3 credits)

3 credits from the following:

PHAR 702	(3)	Topics in Pharmacology 1
PHAR 703	(3)	Topics in Pharmacology 2
PHAR 704	(3)	Topics in Pharmacology 3

PHAR 705	(3)	Topics in Pharmacology 4
PHAR 706	(3)	Topics in Pharmacology 5
PHAR 707	(3)	Topics in Pharmacology 6

or the equivalent, upon approval by the Graduate Training Committee (GTC.)

11.12.2.9 Graduate Certificate (Gr. Cert.) Biomedical Science Translational Research (15 credits)

The Graduate Certificate in Biomedical Science Translational Research is an introduction to relevant clinical aspects of translating scientific discovery as a means of bridging the gap between research and application in clinical settings, while promoting future collaboration among scientists, clinicians and clinician-scientists while promoting future collaboration. The program includes clinical mentorship.

Required Courses (12 credits)

FMED 525	(3)	Foundations of Translational Science
PHAR 522D1	(3)	Fundamentals of Disease Therapy
PHAR 522D2	(3)	Fundamentals of Disease Therapy
PHAR 524	(3)	Clinical Mentorship

Complementary Courses (3 credits)

3 credits from:

BMDE 655	(3)	Biomedical Clinical Trials - Medical Devices
EPIB 507	(3)	Biostats for Health Sciences
EXMD 617	(1)	Workshop in Clinical Trials 1
EXMD 618	(1)	Workshop in Clinical Trials 2
EXMD 619	(1)	Workshop in Clinical Trials 3
EXMD 620	(1)	Clinical Trials and Research 1
EXMD 633	(3)	Clinical Aspects of Research in Respiratory Diseases
EXMD 640	(3)	Experimental Medicine Topic 1
PHAR 508	(3)	Drug Discovery and Development 3
PHAR 529	(0)	

11.12.2.8 Physiology

11.12.2.8.1 Location

Department of Physiology
 McIntyre Medical Sciences Building
 3655 Promenade Sir-William-Osler
 Montreal QC H3G 1Y6 Canada
 Telephone: 514-398-4343
 Website: mcgill.ca/physiology

11.12.2.8.2 About Physiology

The Physiology Department offers training leading to **M.Sc.** and **Ph.D.** degrees. The scope of the ongoing research, and close connections with the McGill teaching hospitals, offer excellent opportunities for collaborations with hospital-based scientists. Research in the Department covers a broad range of topics from systems neuroscience to molecular and cellular biology. Interests include studies of nuclear and membrane receptors, transporters, channels, and signal transduction pathways, to the broader integration of physiological systems (cardiovascular, respiratory, renal, endocrine, immune, and central nervous systems) using an array of molecular and cellular approaches as well as quantitative techniques in data collection, analysis, and mathematical modelling by computational means.

All graduate students in Physiology receive financial support. Any faculty or associate member who agrees to supervise a graduate student who does not hold a fellowship is financially responsible for that student. Students are encouraged to apply for a fellowship; further information is available at mcgill.ca/physiology/graduate-studies/financial-other-assistance.

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 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 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.

section 11.12.2.8.8: Doctor of Philosophy (Ph.D.) Physiology

The doctoral program is intended for students from a strong academic background wishing to pursue research-intensive careers in academia, industry, or medicine. The multidisciplinary nature of the Department exposes students to a vast array of research interests and experimental approaches. Thesis work provides in-depth training in a broad range of disciplines from molecular and cellular to systems physiology covering multiple organ systems.

section 11.12.2.8.9: Doctor of Philosophy (Ph.D.) Physiology: Bioinformatics

The intention of the Bioinformatics option is to train Ph.D. students to become researchers in this interdisciplinary field. This includes the development of strategies for experimental design, the construction of tools to analyze datasets, the application of 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 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 11.12.2.8.10: Doctor of Philosophy (Ph.D.) Physiology: Chemical Biology

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.

11.12.2.8.3 Physiology Admission Requirements and Application Procedures**11.12.2.8.3.1 Admission Requirements**

Admission to the graduate program is based on an evaluation by the Graduate Student Admissions and Advisory Committee (GSAAC), and on being accepted by a research supervisor. Final acceptance is contingent upon approval of the recommendation of the applicant by Enrolment Services, from whom official notification will be received.

Candidates for the M.Sc. degree must hold a B.Sc. degree or its equivalent. Candidates who have completed an M.Sc. may be admitted directly to the Ph.D. program. M.Sc. students interested in a Ph.D. may fast track to the Ph.D. program after 12–18 months. The M.Sc. thesis requirement is then waived. Candidates with exceptional academic records may be considered to proceed directly to the Ph.D. degree from the B.Sc. degree.

A minimum CGPA of 3.2 out of 4.0 or a GPA of 3.4 in the last two years is required for an application to be considered.

The *GRE* General Test is no longer required.

Language Requirements

Test of English as a Foreign Language (*TOEFL*): minimum score of 86 on the Internet-based test with each component score not less than 20 OR IELTS (International English Language Testing System) with an overall band of 6.5 or greater. Only those whose mother tongue is English, who graduated from a North American institution (anglophone or francophone) or who completed an undergraduate or graduate degree at a foreign institution where English is the language of instruction are exempt from providing proof of competency in English.

11.12.2.8.3.2 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.

Applications should be submitted as early as possible in order to facilitate processing. However, no applications will be considered after the application deadlines.

11.1228321 Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Curriculum Vitae
- Two letters of reference
- Personal Statement
- TOEFL (if applicable)
- List of supervisor preferences

11.122833 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Physiology Department and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program.

	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	May 15	May 15
Winter Term:	Feb. 15	Aug. 15	Oct. 1	Oct. 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.

Interested candidates should refer to the Department's [website](#) for details regarding application procedures, as well as other important information.

11.12284 Physiology Faculty

Chair

John White

Graduate Program Director

Alvin Shrier

Emeritus Professors

Thomas M.S. Chang, Leon Glass, Kresimir Krnjevic, Wayne S. Lapp, Mortimer Levy, Michael Mackey, George Mandl, Geoffrey Melvill Jones, Joseph Milic-Emili, Canio Polosa, Douglas G.D. Watt

Associate Professor (Post-Retirement)

Ann Wechsler

Professors

Maurice Chacron, Monroe W. Cohen, Ellis J. Cooper, Phil Gold, John Hanrahan, David Goltzman, Steve Lomber, Gergely Lukacs, Sheldon Magder, John Orłowski, Alvin Shrier, John White

Associate Professors

Claire Brown, Gil Bub, Erik Cook, Mladen Glavinovic, Michael Guevara, Suresh Krishna, Anmar Khadra, Reza Sharif-Naeini, Ursula Stochaj

Associate Professor (Part-time)

Nicole Bernard

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: Jörg Fritz

Neurology and Neurosurgery: Jack Antel, Daniel Guitton, Christopher Pack, Ed Ruthazer, Amir Shmuel, Jesper Sjöström, Jo Anne Stratton

Ophthalmology: Curtis Baker

Pharmacology and Therapeutics: Daniel Bernard, Derek Bowie, Terence Hebert

Psychiatry: Nicolas Cermakian

Research in Neuroscience: Charles Bourque

Adjunct Professors

M. Craig, K. Cullen, P. Haghighi, J. Martinez-Trujillo

Faculty Lecturer

Céline Aguer

11.122.85 Master of Science (M.Sc.) Physiology (Thesis) (45 credits)**Thesis Courses (27 credits)**

PHGY 621	(12)	Thesis 1
PHGY 622	(12)	Thesis 2
PHGY 623	(3)	M.Sc. Final Seminar

Required Courses (12 credits)

PHGY 601	(1)	M.Sc. Proposal Seminar
PHGY 602	(2)	Literature Search and Research Proposal
PHGY 604	(0)	Responsible Conduct in Research
PHGY 607	(3)	Laboratory Research 1
PHGY 608	(3)	Laboratory Research 2
PHGY 620	(3)	Progress in Research

Elective Courses (6 credits)

Students must select 6 approved credits in Physiology or Science at the 500 level or above.

11.122.86 Master of Science (M.Sc.) Physiology (Thesis): Bioinformatics (45 credits)

** This program is currently not offered. **

Thesis Courses (27 credits)

PHGY 621	(12)	Thesis 1
PHGY 622	(12)	Thesis 2
PHGY 623	(3)	M.Sc. Final Seminar

Required Courses (12 credits)

COMP 616D1	(1.5)	Bioinformatics Seminar
COMP 616D2	(1.5)	Bioinformatics Seminar
PHGY 601	(1)	M.Sc. Proposal Seminar
PHGY 602	(2)	Literature Search and Research Proposal
PHGY 604	(0)	Responsible Conduct in Research
PHGY 607	(3)	Laboratory Research 1
PHGY 608	(3)	Laboratory Research 2

Complementary Courses (6 credits)

6 credits to be chosen from the following:

BINF 621	(3)	Bioinformatics: Molecular Biology
BMDE 652	(3)	Bioinformatics: Proteomics
BTEC 555	(3)	Structural Bioinformatics
COMP 618	(3)	Bioinformatics: Functional Genomics

11.12.28.7 Master of Science (M.Sc.) Physiology (Thesis): Chemical Biology (45 credits)

** This program is currently not offered. **

The Graduate Option in Chemical Biology is centered on the pursuit of an original research project under the direction of one or more program mentors. This research training is augmented by student participation in lecture and seminar courses and in a series of thematic workshops, all of which are designed to expose students to the diverse approaches and research issues that characterize the current state of the field. Students with training in this interdisciplinary approach will be highly qualified to seek careers in academic research as well as the pharmaceutical and biotechnology industries.

Thesis Courses (27 credits)

PHGY 621	(12)	Thesis 1
PHGY 622	(12)	Thesis 2
PHGY 623	(3)	M.Sc. Final Seminar

Required Courses (12 credits)

PHGY 601	(1)	M.Sc. Proposal Seminar
PHGY 602	(2)	Literature Search and Research Proposal
PHGY 604	(0)	Responsible Conduct in Research
PHGY 607	(3)	Laboratory Research 1
PHGY 608	(3)	Laboratory Research 2
PHGY 620	(3)	Progress in Research

Complementary Courses (6 credits)

3 credits from the following Chemical Biology seminars:

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

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

11.12288 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 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)

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
PHGY 725	(1)	Ph.D. Seminar Course 6

Elective Courses (9 credits)

9 credits of Physiology or Science at the 500 level or above, in consultation with the GSAAC and the candidate's supervisor.

11.12289 Doctor of Philosophy (Ph.D.) Physiology: Bioinformatics

** This program is currently not offered. **

Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

Required Courses (11 credits)

COMP 616D1	(1.5)	Bioinformatics Seminar
COMP 616D2	(1.5)	Bioinformatics Seminar
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
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
Website: mcgill.ca/scsd

11.12.3.2 About Communication Sciences and Disorders

The School provides both professional and research training in communication sciences and disorders at the graduate level through its **M.Sc. (Applied)**, **M.Sc.**, and **Ph.D.** degrees. We were the first department in Canada to provide both clinical and research degrees. Our M.Sc.A. program aims to educate the next generation of well-prepared and innovative speech-language pathology professionals by providing enriched classroom training, clinical laboratory activities that enhance the transition from theory to practice, and outstanding clinical practicum experiences. Our research degrees are designed to develop leading researchers and scholars, who will go on to train future investigators in the field of communication sciences and disorders and who, through their research, will advance our understanding of the processes of human communication and its breakdown.

Our applied and research degrees may lead to employment in healthcare or educational facilities, academic settings, or private industry.

Interdisciplinary interactions are at the core of our research training approach, which includes preparation to conduct both fundamental and clinically applied investigations. Our professors have collaborative ties with many departments and institutes at McGill, including:

- psychology
- linguistics
- neuroscience
- otolaryngology
- biomedical engineering
- Montreal Neurological Institute and Hospital
- other Montreal universities

They also maintain national and international collaborations. Students can access this rich collaborative network via the [McGill Centre for Research on Brain, Language and Music](#), a world-class interdisciplinary research centre established by the School. The multilingual context in which we reside provides a unique environment for language research.

The School offers:

- a professional degree in Communication Sciences and Disorders at the M.Sc. (Applied) level with specialization in Speech Language Pathology
- two research degrees: an M.Sc. (Research) and a Ph.D. in Communication Sciences and Disorders

Requirements for Licensure

The majority of provinces in Canada and certain states in the U.S. require that those intending to practise as speech-language pathologists within their borders comply with special provincial or state licensing regulations. Graduates wishing to practise in the province of Quebec must be members of the *Ordre des Orthophonistes et Audiologistes du Québec* (OOAQ) in order to call themselves speech-language pathologists. Further information is available from the OOAQ at:

630 Sherbrooke St. W., bureau 800
Montreal QC H3A 1E4
Telephone: 514-282-9123
Email: info@ooaq.qc.ca
Website: www.ooaq.qc.ca

Quebec law requires that candidates seeking licensure in provincially recognized professions demonstrate exceptional verbal and written knowledge of the French language. See [University Regulations & Resources > Undergraduate > Admission to Professional and Graduate Studies > : Language Requirements for Professions](#).

Funding

[IODE Canada](#) funds two \$1,000 “Silence to Sound” awards for studies in hearing impairment. These in-course awards are based on academic merit, Canadian citizenship, financial need, and potential for excellence, and are awarded by the School with approval of funds by IODE Canada.

Montreal League for the Hard of Hearing Award – Candidates must be enrolled at the graduate level in the School and working in the area of hearing impairment. Awarded by the School. Value: two \$750 awards.

section 11.12.3.6: Master of Science, Applied (M.Sc.A.) Communication Sciences & Disorders (Non-Thesis): Speech-Language Pathology (82 credits)

The professional degree leads to a Master of Science (Applied) with a specialization in Speech Language Pathology. The program involves two academic years of full-time study and related practical work followed by a Summer internship. To prepare students as creative professionals, the program emphasizes the understanding of principles and theories, and their present or potential clinical applications, in addition to the teaching of specific techniques for assessment and intervention. Active participation in the learning process is encouraged.

The profession of speech-language pathology concerns assessment and intervention in speech, language, and swallowing disorders. At present, most speech-language pathologists in Canada work in hospitals, public school systems, rehabilitation centres, special education facilities, and in private practice nursing homes and extended care facilities.

Students pursuing the M.Sc.A. complete the basic academic content and clinical practica required in preparation for clinical practice as outlined by *Speech-Language and Audiology Canada* (SAC). Our M.Sc.A. program is completed in two years. The emphasis on bridging theory and clinical practice is very strong in our program. Our admission requirements emphasize basic sciences and do not require completion of a specific undergraduate degree. This flexible entry accommodates students with undergraduate degrees in different fields and promotes diversity within our student body. Our goal is to recruit and train skillful therapists and problem-solvers who can rely on a strong foundation in theory to address challenging clinical issues. Our M.Sc.A. graduates typically pursue professional careers working in schools, hospitals, rehabilitation centres, or in private practices. A subset of our graduates will enter a doctoral program (immediately or after a period of clinical employment) to pursue a research career.

Research Degrees – M.Sc. and Ph.D.

section 11.12.3.5: Master of Science (M.Sc.) Communication Sciences and Disorders (Thesis) (45 credits)

Selected candidates may be accepted into the M.Sc. research degree program. Each student's Advisory Committee designs an individualized program of study in collaboration with the student. The program can include graduate courses offered by the School and by other departments at McGill.

This program is designed for students who wish to combine research training with their clinical (M.Sc.A.) program or students from related fields who wish to gain research experience in communication sciences to prepare for doctoral studies. Students are required to take two semesters (6 credits) of statistics and complete a thesis. Admission to the M.Sc. research program requires identification of an SCSA professor(s) with relevant expertise to mentor the student through the thesis process. Graduates of our M.Sc. research program follow diverse career paths, some working in clinical settings (if they also have a clinical degree) or settings that combine clinical and research activities, and others continuing their research training at the doctoral level.

section 11.12.3.7: Doctor of Philosophy (Ph.D.) Communication Sciences and Disorders

Selected candidates may be accepted into the Ph.D. research degree program. Each student's Advisory Committee designs an individualized program of study in collaboration with the student. The program can include graduate courses offered by the School and by other departments at McGill.

Students pursuing a Ph.D. in SCSA have varied educational backgrounds, including both clinical and related non-clinical fields. Students who enter the program from a related field (e.g., Psychology, Linguistics) or without a master's thesis complete a Qualifying year, which includes coursework and a research project. This flexible entry attracts independent scholars with diverse backgrounds and interests, which creates a stimulating and enriched training environment. The main component of the Ph.D. program (beyond the Qualifying year) has minimal required coursework and is structured to support students as they develop and pursue an innovative, individualized program of doctoral studies. Admission to the doctoral program requires identification of a SCSA professor(s) with relevant expertise to mentor the student in this process. Ph.D. students have the opportunity to pursue an interdisciplinary specialization in language acquisition through the McGill Language Acquisition Program, which intersects with McGill departments of Linguistics, Psychology, and Education. Our Ph.D. graduates typically pursue academic careers in universities or research institutes, but some work in settings that combine research and professional activities.

section 11.12.3.8: Doctor of Philosophy (Ph.D.) Communication Sciences and Disorders: Language Acquisition

This unique interdisciplinary Ph.D. program is available for doctoral students across four departments at McGill including SCSA, Linguistics, Psychology, and Integrated Studies in Education. The program is designed to provide enriched training focused on the scientific exploration of language acquisition by different kinds of learners in diverse contexts. Students in the Language Acquisition Program are introduced to theoretical and methodological issues on language acquisition from the perspectives of cognitive neuroscience, theoretical linguistics, psycholinguistics, education, communication sciences and disorders, and neuropsychology. In addition to the SCSA Ph.D. requirements, students in this program must complete 3 credits of coursework in language acquisition outside their home department, and three interdisciplinary seminars (2 credits each) and must include a faculty member in the Language Acquisition Program on their thesis committee. More information about this program can be found at mcgill.ca/linguistics/graduate/lap.

11.12.3.3 Communication Sciences and Disorders Admission Requirements and Applications Procedures

11.12.3.3.1 Admission Requirements

McGill University Graduate and Postdoctoral Studies requires that applicants to graduate programs hold an undergraduate degree with a minimum B average (3.0 on a 4.0 point scale) or better, however as admission is highly competitive the mean GPA of admitted students is generally much higher. Please note that incomplete or late applications will not be considered.

English Language Requirement for non-Canadian Students

Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English **prior to admission**:

- the Test of English as a Foreign Language (*TOEFL*) with a minimum score of 95 on the Internet-based test with minimum component scores of 24 in both Speaking and Writing and 21 in both Reading and Listening;

OR

- the International English Language Testing System (*IELTS*) with a minimum overall band score of 7.0.

M.Sc. (Applied)

An applicant must hold an undergraduate degree in any discipline. The program is highly competitive and we have space for fewer than 10% of applicants; the mean cumulative undergraduate GPA for admitted students falls at around 3.8 on a 4.0 scale. There are 21 credits of prerequisite coursework, including 3 credits in statistics, and a total of 18 credits across the disciplines of Linguistics and Psychology or related areas (with a minimum of 6 credits each in Linguistics and Psychology). Please refer to mcgill.ca/scsd/programs/slp/how-apply/prerequisite-courses 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)	Current McGill Students (any citizenship)
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, Nicole Yee-Key Li-Jessen

Assistant Professors

Noémie Auclair-Ouellet

Assistant Professors (Professional)

Kelly Root, Sophie Vaillancourt

Faculty Lecturers

Mariska Burger, Lauren Tittley

Assistant Professors (Part-Time)

Christina Lattermann, Rosalee Shenker

Faculty Lecturers (Part-Time)

Mary Jane Blais, Liliane Brunetti, Ariana Fraid, Lisa Massaro, Tanya Matthews, Gina Mills, Chelsea Osei, Amanda Ovidia, Eve Julie Rioux, Jordan Scholl, Marielle McCrum, Dahlia Thompson

Adjunct Professors

Krista Byers-Heinlein, David McFarland, Lucie Ménard, Doug Shiller

Associate Members

Eva Kehayia, Denise Klein, Luc Mongeau, Debra Titone

11.12.3.5 Master of Science (M.Sc.) Communication Sciences and Disorders (Thesis) (45 credits)

Thesis Courses (24 credits)

SCSD 671 (12) M.Sc. Thesis 1

SCSD 672 (12) M.Sc. Thesis 2

Complementary Courses (21 credits)

6-21 credits chosen from:

SCSD 675 (12) Special Topics 1
SCSD 676 (9) Special Topics 2
SCSD 677 (6) Special Topics 3
SCSD 678 (3) Special Topics 4

0-15 credits chosen from:

SCSD 673 (12) M.Sc. Thesis 3
SCSD 674 (3) M.Sc. Thesis 4

or courses in other departments, as arranged with the student's thesis supervisor.

11.12.3.6 Master of Science, Applied (M.Sc.A.) Communication Sciences & Disorders (Non-Thesis): Speech-Language Pathology (82 credits)

The M.Sc.(A.) in Communication Sciences and Disorders; Non-Thesis - Speech-Language Pathology focuses on training students to enter the field of Speech-Language Pathology using a curriculum guided by a 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
SCSD 616 (3) Foundations of Audiology
SCSD 617 (1) Anatomy and Physiology for Speech-Language Pathology
SCSD 619 (3) Phonological Development
SCSD 624 (3) Language Development and Processes
SCSD 625 (2) ASD and Neurodevelopmental Disorders 2
SCSD 626 (2) Aural Rehabilitation 2
SCSD 627 (3) Practicum and Seminar 3A
SCSD 628 (3) Practicum and Seminar 4A
SCSD 629 (2) Augmentative and Alternative Communication 2
SCSD 630 (2) Research and Measurement Methodologies 2
SCSD 631 (2) Speech Science
SCSD 632 (3) Phonological Disorders: Children
SCSD 636 (3) Fluency Disorders

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)	De-glutition 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
SCSD 701	(0)	Doctoral Comprehensive

Complementary Courses (6 or 21 credits)

For both PhD 1 and PhD 2: 6 credits of statistics courses at the 500 level or higher, pre-approved by the supervisor and the graduate program director.

In addition to the above, students entering at PhD 1 must take the following 15 credits:

SCSD 654	(3)	Advanced Research Seminar 3
SCSD 685	(3)	Research Project 1
SCSD 686	(3)	Research Project 2

Plus 6 credits, of graduate-level courses, pre-approved by the supervisor and the graduate program director.

11.12.3.8 Doctor of Philosophy (Ph.D.) Communication Sciences and Disorders: 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.

For details go to: www.psych.mcgill.ca/lap.html.

Students who have completed a Master's degree with research thesis in Communication Sciences and Disorders or a related area are admitted at level PhD 2. High-caliber students who have not completed a research thesis at the Master's level can enter the Qualifying Year Program (admitted at level PhD 1), which includes extra requirements (coursework and a research project) at the onset of the program.

Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

Required Courses (12 credits)

For both PhD 1 and PhD 2:

LING 710	(2)	Language Acquisition Issues 2
PSYC 709	(2)	Language Acquisition Issues 1
SCSD 652	(3)	Advanced Research Seminar 1
SCSD 653	(3)	Advanced Research Seminar 2
SCSD 701	(0)	Doctoral Comprehensive
SCSD 712	(2)	Language Acquisition Issues 4

Complementary Courses (9 or 26 credits)

For both PhD 1 and PhD 2:

6 credits of statistics courses at the 500 level or higher, pre-approved by the supervisor and the graduate program director.

At least 3 credits at the 500 level or higher in language acquisition courses that have been approved by the Director of the Language Acquisition Program.

For a pre-approved list go to: <https://www.mcgill.ca/scsd/programs/rt/phd/language-acquisition-courses>.

For PhD 1 students, 0-2 credits from the following:

EDPE 713	(2)	Language Acquisition Issues 5
EDSL 711	(2)	Language Acquisition Issues 3

In addition to the above, students entering at PhD 1 must take the following 15 credits:

SCSD 654	(3)	Advanced Research Seminar 3
SCSD 685	(3)	Research Project 1
SCSD 686	(3)	Research Project 2

Plus 6 credits, of graduate-level courses pre-approved by the supervisor and the graduate program director.

11.12.4 Population and Global Health

11.12.4.1 Location

School of Population and Global Health
2001 McGill College Avenue
Suite 1200
Montreal QC H3A 1G1
Telephone: 514-398-5776
Email: spgh.med@mcgill.ca
Website: mcgill.ca/spgh

11.12.4.2 Bioethics

11.12.4.2.1 Location

Biomedical Ethics Unit

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, Department of Philosophy, School of Religious Studies, and Faculty of Law.

Master's Specialization in Bioethics

The Master's Specialization in Bioethics is sponsored by the:

- Faculty of Medicine and Health Sciences, Division of Experimental Medicine, Department of Human Genetics, Department of Family Medicine;
- Faculty of Law; and
- Faculty of Arts, Department of Philosophy, School of Religious Studies.

Students receive an **M.A.**, **LL.M.**, or **M.Sc.** degree in the discipline chosen with a specialization in Bioethics.

Some applicants are mid-career professionals currently working as physicians, nurses, social workers, other health care providers, or lawyers. Other applicants have recently completed their undergraduate degrees in science, philosophy, law, religious studies, or other disciplines, and wish to pursue specialized master's level training in bioethics before enrolling in doctoral level studies or entering the workplace.

Students pursuing the master's degree specialization normally take two semesters of courses before beginning their master's thesis. Courses offered include Bioethics Theory, Public Health Ethics and Policy, Research Ethics, and a Practicum that includes placement in a clinical or research setting. Research and writing the thesis normally takes one year. Students must also comply with the course and thesis requirements of their home disciplines.

11.12423 Bioethics Admission Requirements and Application Procedures

11.12423.1 Admission Requirements

M.D. degree, professional training in a health science, or bachelor's degree in the sciences, social sciences, law, philosophy, or religious studies. Other students may be considered on an individual basis.

Enrolment is limited to 12 students.

11.12423.2 Application Procedures

McGill's online application form for graduate program candidates is available at mcgill.ca/gradapplicants/apply.

See [University Regulations and Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.3: Application Procedures](#) for detailed application procedures.

Applications for the Master's Specialization in Bioethics are made initially through the Faculties of Law, Medicine and Health Sciences (Division of Experimental Medicine, Department of Human Genetics, Department of Family Medicine), and Arts (Department of Philosophy, School of Religious Studies).

Applicants must satisfy the admission criteria for their chosen discipline and those of the Bioethics Unit, which administers the program and teaches the core courses; see mcgill.ca/biomedicalethicsunit/teaching/masters/apply.

Applicants must be accepted by the appropriate Faculty, the Bioethics Graduate Studies Advisory Committee, and Graduate and Postdoctoral Studies.

11.12423.3 Application Dates and Deadlines

Deadlines coincide with those of the chosen base discipline. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program.



Note: Applications for Winter or Summer term admission will not be considered.

11.12424 Biomedical Ethics Faculty

Director

J. Kimmelman

Professor

J. Kimmelman

Associate Professors

C. Eells, J.R. Fishman, N. King.

Assistant Professor

P. Friesen

Associate Members

G. Bartlett-Esquilant (*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 (*Department of Medicine and Health Sciences*), M. Hunt (*School of Physical & Occupational Therapy*), Y. Joly (*Human Genetics*), L. Khoury (*Faculty of Law*), M.E. Macdonald (*MQHRG*), T. Maniatis (*Faculty of Medicine and Health Sciences*), B. Thombs (*Psychiatry*), D. Weinstock (*Institute for Health and Social Policy*), M.H. Zawati (*Human Genetics*), K. Voigt (*Department of Philosophy*)

11.12.4.3 Epidemiology and Biostatistics**11.12.4.3.1 Location**

Department of Epidemiology, Biostatistics and Occupational Health
2001 McGill College Avenue
Suite 1200
Montreal QC H3A 1G1
Telephone: 514-398-6258
Email: graduate.eboh@mcgill.ca
Website: mcgill.ca/epi-biostat-occh

11.12.4.3.2 About Epidemiology and Biostatistics

The Department offers **master's and doctoral programs in both Epidemiology and Biostatistics**, as well as a **Master's of Science in Public Health**. The methods learned in these fields are used not only in the study of diseases, but also in clinical research; health services research; public health; program planning and evaluation; and policy development. Our faculty members are at the forefront of their research domains and include epidemiologists, biostatisticians, clinician scientists, medical informatics specialists, public health specialists, health economists, medical sociologists, and health geographers.

Research in the Department spans a broad range of areas, including:

- biostatistics;
- clinical and public health informatics;
- environmental and occupational health;
- health care delivery and organization;
- infectious diseases;
- pharmacoepidemiology;
- population and public health;
- social epidemiology;
- epidemiologic methods;
- chronic diseases;
- reproductive and perinatal epidemiology;
- genetic epidemiology;
- global health;
- causal inference;
- and many cross-disciplinary activities.

Faculty members may have funding available for students through their research grants. We provide rich research environments at five university-affiliated hospitals, public health agencies, and university research centres. Graduates pursue careers in academia, clinical settings, government agencies, NGOs, and industry.

11.12.4.3.3 Epidemiology, Biostatistics and Occupational Health Faculty**Chair**

Josée Dupuis

Emeritus Professors

J.-F. Boivin, L. Joseph, M.S. Kramer, J. McCusker, O.S. Miettinen, I.B. Pless, S.H. Shapiro, G. Thériault, S. Wood-Dauphinee

Professors (Post-Retirement)

L. Joseph, I.B. Pless

Associate Professors (Post-Retirement)

B. Case, A. Ciampi

Professors

M. Abrahamowicz, J. Brophy, D. Buckeridge, T. Evans, E.L.F. Franco, R. Fuhrer, C. Greenwood, T.W. Gyorkos, C. Hankins, J.A. Hanley, C. Infante-Rivard, J. Kaufman, R. Menzies, E.E.M. Moodie, M. Pai, G. Paradis, R.W. Platt, A. Quesnel-Vallée, A. Schmidt, S. Suissa, R. Tamblyn, C. Wolfson

Associate Professors

A. Adrien, R. Allard, L. Azoulay, O. Basso, N. Basta, J. Baumgartner, A. Benedetti, J. Chevrier, J. Cox, K. Filion, S. Harper, P. Héroux, A. Nandi, M. Rossignol, E. Strumpf, S. Yang

Assistant Professors

A. Banerjee, S. Bhatnagar, G. Cadieux, K. Dehghani, M. Drouin, S. Golchi, D. Kaiser, A. Koski, M. Maheu-Giroux, S. Martin, C.T. Nguyen, D. Panagiotoglou, L. Patry, S. Pénicaud, M. Roy, C. Stich, S. Weichenthal

Associate Members

Biomedical Ethics Unit: J. Kimmelman, N. King

Dental Medicine and Oral Health Sciences: P. Allison, J. Feine, B. Nicolau

Family Medicine: A. Andermann

Geography: N. Ross

Human Genetics: S. Gravel

Human Nutrition: N. Basu

Internal Medicine, MUHC: N. Dayan, M. Young

Medicine: J. Afilalo, F. Ahmad Kahn, D. Assayag, A. Barkun, M. Behr, S. Bernatsky, J. Bourbeau, P. Brassard, K. Dasgupta, N. Dendukuri, A. Douros, M. Eisenberg, P. Ernst, N. Ezer, I. Fortier, M. Goldberg, A.V. Gonzalez, C. Greenaway, S. Kahn, M. Kaminska, M. Klein, N. Kronfli, T.C. Lee, A. Marelli, N. Mayo, S. Morin, S. Pamidi, N. Pant Pai, L. Pilote, E. Rahme, B. Richards, R. Sapir-Pichhadze, K. Schwartzman, G. Sebastiani, M. Sewitch, J. Shahin, I. Shrier, B. M. Smith, V. Tagalakis, G. Thanassoulis, E. Vinet

Neurology and Neurosurgery: C. Renoux

Ob/Gyn: H. Abenhaim, R. Gagnon

Pediatrics: G. Altit, M. Beltempo, M. Ben Shoshan, B. Burstein, E. Constantin, G. Dougherty, P. Fontela, B. Foster, P.T-S. Lee, M. Nakhla, M. Oskoui, J. Papenburg

Physical and Occupational Therapy: S. Ahmed

Psychiatry: S.N. Iyer, E. Latimer, A. Malla, X. Meng, N. Schmitz, J. Shah, B. Thombs

Sociology: S. Clark

Surgery: A. Andaliib, D. Deckelbaum, S. Dumitra, F-H. (L) Lee, A. N. Merguerditchian

Lecturers

J.P. Courteau, C. Fuller, M. Kafka, E. Manthorp, C. Kom Mogto, S.-A. Mercure, C. Paquette, B. Pinard, N. Savard

Adjunct Professors

Asociación Civil Selva Amazónica Peru: M. Casapia

Bristol-Myers Squibb Canada: A.A. Tahami Monfared

Carleton University: P. Villeneuve

Caro Research: J. Caro

CISSS Abitibi-Témiscamingue: O. Sobanjo

Concordia University: P.E. Boileau, P. Gasparrini

Contex: J.P. Gauvin

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

11.124.34 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 forefront of their research domains and include epidemiologists, biostatisticians, clinician scientists, medical informatics specialists, public health specialists, health economists, medical sociologists, and health geographers. Research in the Department spans a broad range of areas, including:

- clinical and public health informatics;
- environmental and occupational health;
- health care delivery and organization;
- infectious diseases;
- pharmacoepidemiology;
- population and public health;
- social epidemiology;
- epidemiologic methods;
- chronic diseases;
- reproductive and perinatal epidemiology;
- genetic epidemiology;
- global health;
- causal inference;
- and many cross-disciplinary activities.

Faculty members may have funding available for students through their research grants. We provide rich research environments at five university-affiliated hospitals, public health agencies, and university research centres. Graduates pursue careers in academia, clinical settings, government agencies, NGOs, and industry.

section 11.12.4.3.4.3: Master of Science (M.Sc.) Epidemiology (Thesis) (45 credits)

Applicants to the M.Sc. program should preferably hold a bachelor's degree in the natural sciences (e.g., chemistry, microbiology, human genetics), quantitative sciences (e.g., computer science, statistics), or social sciences (e.g., sociology, psychology, economics, geography), or hold a degree in one of the health professional sciences (e.g., medicine, nursing, social work, nutrition). Applicants must have an interest in health research, along with strong conceptual, analytic, and quantitative skills (e.g., differential and integral calculus, statistics) at the undergraduate level.

The program leading to a master's degree is designed to provide training in both theory and practice in the selected discipline. Courses require intellectual and academic rigour, and the program provides students with an opportunity to synthesize the training in the form of a thesis. Students will study the foundations and principles of epidemiology and applied biostatistics, in order to design, conduct, and analyze clinical, population-based, environmental,

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 known for methodological and quantitative rigour, and quantitative analytic independence. While their core training is in methods, rather than specific substantive areas, students learn about substantive areas in the context of their research and through elective courses.

section 11.12.4.3.4.4: Master of Science (M.Sc.) Epidemiology (Non-Thesis): Environmental & Occupational Health (48 credits)

This program provides in-depth training in methods used in Environmental and Occupational Health (EOH) and the application of these methods to study the effects of environmental and occupational exposures on human health. Students will be provided with tools to critically evaluate studies in EOH and be able to participate in these studies; learn how to apply specific methods to environmental and occupational problems; and understand how to apply research results to public health or policy. Career opportunities exist in academia, industry, and the public health sectors. Each student will be assigned a supervisor to provide guidance for their project. Research topics must relate to environmental and occupational health and receive approval from the program coordinating committee.

section 11.12.4.3.4.5: Master of Science (M.Sc.) Epidemiology (Non-Thesis): Pharmacoepidemiology (48 credits)

Applicants to the Pharmacoepidemiology Option of the M.Sc. (Non-Thesis) program should hold a bachelor's degree in the natural or quantitative sciences (e.g., chemistry, microbiology, computer science, statistics, economics) or hold a degree in one of the health professional sciences (e.g., medicine, pharmacy). Applicants must have an interest in the epidemiology of medications, along with strong conceptual, analytic, and quantitative skills (e.g., differential and integral calculus, statistics) at the undergraduate level. The Pharmacoepidemiology Option is designed to provide training in both theory and practice of pharmacoepidemiology. Students will study the foundations and principles of epidemiology and applied biostatistics in order to design, conduct, and analyze pharmacoepidemiological research. Courses require intellectual and academic rigour, and the program provides students with an opportunity to obtain specialized training in pharmacoepidemiology, including pharmacoepidemiologic methods, pharmacology for pharmacoepidemiologists, and practical experience in the form of a research project. Graduates of the program often go on to do doctoral work or become research associates in public, private, and academic settings. McGill has a world-renowned reputation for excellence in pharmacoepidemiology, and McGill-trained pharmacoepidemiologists are known for methodological and quantitative rigour, and quantitative analytic independence.

section 11.12.4.3.4.7: Doctor of Philosophy (Ph.D.) Epidemiology

This program may be of interest to students from the natural or quantitative sciences (e.g., microbiology, computer science, statistics, economics, geography), quantitative social sciences (e.g., sociology, psychology), or the health professions (e.g., medicine, nursing, social work, nutrition). Applicants must have an interest in health research, along with strong conceptual, analytic, and quantitative skills (e.g., differential and integral calculus, statistics) at the undergraduate and master's levels.

The Ph.D. program prepares students with the advanced epidemiological research skills needed to undertake original contributions to new knowledge related to the determinants of health and disease, prevention, prognosis, treatment, and outcomes. The program is generally completed in four to five years. Graduates will be prepared to engage in scientific collaboration, and communicate results to other scientists and diverse audiences. They will go on to careers in public health, health planning, and quality monitoring in local, regional, federal, and international health authorities, statistical and technology assessment agencies, the pharmaceutical industry, and in clinical and academic research organizations. McGill graduates are known for their methodological and quantitative rigour and quantitative analytic independence. While their core training is in methods, rather than specific substantive areas, students learn about substantive areas in the context of their research and through elective courses.

section 11.12.4.3.4.8: Doctor of Philosophy (Ph.D.) Epidemiology: Global Health

Students admitted to the Ph.D. degree in Epidemiology who have an interest in global health can receive additional recognition for completing the Global Health Option within their degree program. Students can fulfill the requirements for both the Ph.D. and the Global Health Option within the normal Ph.D. timeline. Over and above the core Ph.D. training, students in the Global Health Option will undertake global health-dedicated coursework and their thesis will be of relevance to global health. This additional global health training will provide students with insight into the major global health challenges of today's world. This area of study, research, and practice prioritizes improving health and achieving equity in health for all people worldwide. McGill and its affiliated hospitals have close to 200 researchers involved in global health work, from basic biomedical research on tropical diseases to large-scale population studies on the social determinants of health. Students at McGill can be exposed to the work of 20 teams working in all major areas of global health, including Infectious and Tropical Diseases; Global Environmental Health; and Global Mental Health, among others. For more information, visit mcgill.ca/globalhealth. With this additional Global Health qualification, Ph.D. graduates will benefit from opportunities for future training or work in those institutions or organizations that are active in global health.

section 11.12.4.3.4.9: Doctor of Philosophy (Ph.D.) Epidemiology: Pharmacoepidemiology

The Pharmacoepidemiology Option of the Ph.D. Program may be of interest to students from the natural or quantitative sciences (e.g., microbiology, computer science, biostatistics, statistics, economics), Public or Population Health, or Epidemiology, or who hold a degree in one of the health professional sciences (e.g., medicine, pharmacy). Applicants must have an interest in the epidemiology of medications, along with strong conceptual, analytic, and quantitative skills (e.g., differential and integral calculus, statistics) at the undergraduate level. The Pharmacoepidemiology Option prepares students with the advanced epidemiological research skills needed to undertake original contributions to new knowledge related to pharmacoepidemiology. The program is generally completed in four to five years. In addition to obtaining advanced training in the foundations and principles of epidemiology and applied biostatistics as part of the Ph.D. program, students in the Pharmacoepidemiology Option receive specialized training in pharmacoepidemiology, including advanced pharmacoepidemiologic methods, pharmacology for pharmacoepidemiologists, and practical experience in pharmacoepidemiology through their

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.

11.124341 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 acquire knowledge and skills in all the core competencies of public health, including public health sciences; assessment and analysis; policy and program planning, implementation and evaluation. Graduates of the program will serve as public health practitioners or research professionals and will possess the competencies and professionalism to carry out broad public health functions in local, provincial, national, and international settings. In exceptional circumstances, the Admissions Committee may take professional experience into account for mid-career or returning/re-entry applicants.

The Master of Science in Public Health program includes a 14–16 week field-based practicum after the first year, which will provide the student with the opportunity to use knowledge and skills acquired in the academic program in a public health practice or research setting.

11.124342 Epidemiology & Public Health Admission Requirements and Application Procedures**11.124342.1 Admission Requirements**

The graduate programs in Epidemiology (M.Sc. and Ph.D.) and Public Health (M.Sc.) require substantial quantitative skills. The Admission Committees for these programs will look for proof of quantitative proficiency such as good grades in undergraduate-level courses in differential or integral calculus or in statistics (for M.Sc. applicants) and in master's-level courses (for Ph.D. applicants).

The *GRE* is required of candidates who are health professional graduates from universities outside North America.

Master's in Epidemiology

Applicants to the M.Sc. in Epidemiology programs must hold a bachelor's degree in a related area.

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.

11.1243421.1 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.

11.1243421.1.1 Additional Requirements

Please consult mcgill.ca/epi-biostat-och/academic-programs/grad/epidemiology/applying for information on our requirements.

11.1243421.2 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.

11.124.344 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 601	(4)	Fundamentals of Epidemiology
EPIB 603	(4)	Intermediate Epidemiology
EPIB 605	(1)	Critical Appraisal in Epidemiology
EPIB 607	(4)	Inferential Statistics
EPIB 613	(1)	Introduction to Statistical Software
EPIB 621	(4)	Data Analysis in Health Sciences
EPIB 684	(3)	Principles of Environmental Health Sciences 1
EPIB 685	(3)	Principles of Environmental Health Sciences 2
EPIB 686	(3)	Environmental Health Seminar
PPHS 602	(3)	Foundations of Population Health

Complementary Courses (6 credits)

6 credits of coursework, at the 500 level or higher, chosen in consultation with the student's academic adviser or supervisor. Complementary courses are meant to further the student's general knowledge in environment, environmental health, methodologies, and related aspects to a student's project.

11.124.345 Master of Science (M.Sc.) Epidemiology (Non-Thesis): Pharmacoepidemiology (48 credits)

This program provides in-depth training for graduate students on pharmacoepidemiologic methods and the application of these methods to study the population effects (benefits and harm) of pharmaceutical products. Students will develop knowledge and capacity to critically evaluate pharmacoepidemiologic studies, learn how to apply specific methods and understand how to apply research results for knowledge translation or policy purpose. Career opportunities for graduates are multiple and include work in industry, government, or academia. Students will be required to participate in the Pharmacoepidemiology Journal Club. Research topics must be related to pharmacoepidemiology and approved by the program coordinating committee.

Research (12 credits)

EPIB 691 (12) Research Project in Epidemiology

Required Courses (25 credits)

Students exempted from any of the courses listed below must replace them with additional complementary course credits at the 500 level or higher.

EPIB 601	(4)	Fundamentals of Epidemiology
EPIB 603	(4)	Intermediate Epidemiology
EPIB 605	(1)	Critical Appraisal in Epidemiology
EPIB 607	(4)	Inferential Statistics

EPIB 613	(1)	Introduction to Statistical Software
EPIB 621	(4)	Data Analysis in Health Sciences
EPIB 634	(3)	Fundamentals of Pharmacoepidemiology
EPIB 662	(1)	Pharmacological Basis of Pharmacoepidemiology
PPHS 602	(3)	Foundations of Population Health

Complementary Courses (11 credits)

11 credits of coursework, at the 500 level or higher, chosen in consultation with the student's academic adviser or supervisor. Courses must be approved by the program's academic adviser.

11.124346 Master of Science (M.Sc.) Public Health (Non-Thesis) (60 credits)

The M.Sc. in Public Health; Non-Thesis focuses on the foundations and principles of epidemiology and biostatistics as applied to public health research and practice, and to design, conduct, and analyze clinical, population-based, environmental, policy, and methodological public health-related research. The program will include a three-month practicum after the first year.

Required Courses (36 Credits)

Students exempted from any of the courses listed below must replace them with additional complementary course credits.

EPIB 601	(4)	Fundamentals of Epidemiology
EPIB 603	(4)	Intermediate Epidemiology
EPIB 605	(1)	Critical Appraisal in Epidemiology
EPIB 607	(4)	Inferential Statistics
EPIB 613	(1)	Introduction to Statistical Software
EPIB 621	(4)	Data Analysis in Health Sciences
PPHS 602	(3)	Foundations of Population Health
PPHS 612	(3)	Principles of Public Health Practice
PPHS 630	(12)	MScPH Practicum/Project

Practicum/Project

If a stream is chosen as part of the complementary courses, the practicum must be related to the subject of the selected stream.

Complementary Courses (9-18 Credits)

Environmental Health Sciences

3 credits from:

GEOG 503	(3)	Advanced Topics in Health Geography
OCCH 602	(3)	Occupational Health Practice
OCCH 604	(3)	Monitoring Occupational Environment
PPHS 529	(3)	Global Environmental Health and Burden of Disease

Or other course, at the 500 level or higher, selected with the Program's Academic Adviser.

Health Services Research Policy and Management

3 credits from:

PPHS 525	(3)	Health Care Systems in Comparative Perspective
PPHS 527	(3)	Economics for Health Services Research and Policy
PPHS 528	(3)	Economic Evaluation of Health Programs
PPHS 617	(3)	Impact Evaluation

Or other course, at the 500 level or higher, selected with the Program's Academic Adviser.

Population and Public Health Interventions (social and behavioural science)

3 credits from:

EPIB 632	(3)	Mental Disorders: Population Perspectives and Methods
PPHS 614	(3)	Knowledge Translation and Public Health Leadership
PPHS 616	(3)	Principles and Practice of Public Health Surveillance
PPHS 618	(3)	Program Planning and Evaluation in Public Health

Or other course, at the 500 level or higher, selected with the Program's Academic Adviser.

0-9 credits from one of the following six streams.

In consultation with and approval by the program's academic adviser, students may focus on one of the following areas.

Courses may not satisfy more than one program requirement.

Stream 1: Epidemiology

9 credits from:

EPIB 628	(3)	Measurement in Epidemiology
EPIB 629	(3)	Knowledge Synthesis
EPIB 637	(3)	Advanced Modeling: Survival and Other Multivariable Data
EPIB 638	(3)	Mathematical Modeling of Infectious Diseases
EPIB 648	(3)	Methods in Social Epidemiology

Stream 2: Global Health

3 credits in:

PPHS 613	(3)	The Practice of Global Health
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6 credits from:

EPIB 681	(3)	Global Health: Epidemiological Research
PPHS 511	(3)	Fundamentals of Global Health
PPHS 525	(3)	Health Care Systems in Comparative Perspective
PPHS 529	(3)	Global Environmental Health and Burden of Disease
PPHS 614	(3)	Knowledge Translation and Public Health Leadership
PPHS 615	(3)	Introduction to Infectious Disease Epidemiology
PPHS 618	(3)	Program Planning and Evaluation in Public Health

Stream 3: Population Dynamics

6 credits in:

SOCI 545	(3)	Sociology of Population
SOCI 626	(3)	Demographic Methods

3 credits from:

EPIB 648	(3)	Methods in Social Epidemiology
EPIB 681	(3)	Global Health: Epidemiological Research

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.

11.124.347 Doctor of Philosophy (Ph.D.) Epidemiology

Epidemiology is the study and analysis of the patterns and causes of disease in human populations. It forms the core discipline of public health by identifying excess illness and by gaining the etiologic understanding to intervene toward the improvement of population health. The PhD program in epidemiology at McGill trains scientists and health professionals to design and conduct studies, analyze health data and effectively communicate scientific results, and to gain novel insights into the causes and prevention of diseases at the population level. Epidemiologic work at the doctoral level involves a thorough integration of biological knowledge of pathogenesis, statistical knowledge of quantitative analysis and causal inference, and sociological knowledge to place these insights in the context of dynamic and interconnected human populations. Major areas of strength at McGill include epidemiologic methods, clinical epidemiology, infectious diseases, social epidemiology, pharmacoepidemiology, public and population health, global health, environmental epidemiology, chronic diseases and aging, and perinatal epidemiology.

Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

Required Courses (16 credits)

EPIB 701	(0)	Ph.D. Comprehensive Examination
EPIB 702	(0)	Ph.D. Proposal
EPIB 703	(2)	Principles of Study Design
EPIB 704	(4)	Doctoral Level Epidemiologic Methods 1
EPIB 705	(4)	Doctoral Level Epidemiologic Methods 2
EPIB 706	(3)	Doctoral Seminar in Epidemiology
EPIB 707	(3)	Research Design in Health Sciences

Complementary Courses (9 credits)

9 credits of coursework, at the 500 level or higher, with a minimum of 3 credits in biostatistics and 6 credits in epidemiology and/or substantive topic (normally related to the thesis topic). Courses must be chosen in consultation with the student's supervisor and/or the degree program's director or adviser.

11.124.348 Doctor of Philosophy (Ph.D.) Epidemiology: Global Health

This option will provide enhanced training in global health to graduate students registered in the Ph.D. in Epidemiology; Global Health degree program at McGill. Students will become familiar with topics of global health relevance and incorporate this into their core coursework and thesis research. The thesis must be relevant to global health and approved by the Global Health Coordinating Committee. Contextualizing the core training students receive in epidemiology and in their respective substantive discipline within the global health research domain will enhance their academic experience. Graduates of this option will be prepared to pursue further training in global health or to undertake a variety of career opportunities in global health in Canada or internationally.

Required Courses (22 credits)

EPIB 623	(0)	
EPIB 681	(3)	Global Health: Epidemiological Research
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
PPHS 511	(3)	Fundamentals of Global Health

Complementary Courses (9 credits)

6 credits of coursework at the 500 level or higher, with a minimum of 3 credits in biostatistics, and 3 credits in epidemiology. Courses must be chosen in consultation with the student's supervisor and/or the degree program's director or adviser.

3 credits of coursework at the 500 level or higher from this list, or any other course approved by the Global Health Option Committee that have not been taken to satisfy other program requirements.

GEOG 503	(3)	Advanced Topics in Health Geography
NUTR 501	(3)	Nutrition in Developing Countries
PPHS 525	(3)	Health Care Systems in Comparative Perspective
PPHS 527	(3)	Economics for Health Services Research and Policy
PPHS 529	(3)	Global Environmental Health and Burden of Disease
SOCI 513	(3)	Social Aspects HIV/AIDS in Africa
SOCI 519	(3)	Gender and Globalization
SOCI 545	(3)	Sociology of Population

11.124.349 Doctor of Philosophy (Ph.D.) Epidemiology: Pharmacoepidemiology

This program provides in-depth training for graduate students on pharmacoepidemiologic methods and the application of these methods to study the population effects (benefits and harm) of pharmaceutical products. Students will acquire the skills to become independent investigators and conduct original research in pharmacoepidemiology. Career opportunities for graduates are multiple and include work in industry, government, or academia. Students will be required to participate in the Pharmacoepidemiology Journal Club. Research topics must be related to pharmacoepidemiology and approved by the program coordinating committee.

Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

Required Courses (25 credits)

EPIB 623	(0)	
EPIB 639	(4)	Pharmacoepidemiologic Methods
EPIB 654	(2)	Pharmacoepidemiology 4
EPIB 661	(2)	Pharmacoepidemiology 3
EPIB 662	(1)	Pharmacological Basis of Pharmacoepidemiology
EPIB 701	(0)	Ph.D. Comprehensive Examination
EPIB 702	(0)	Ph.D. Proposal
EPIB 703	(2)	Principles of Study Design
EPIB 704	(4)	Doctoral Level Epidemiologic Methods 1
EPIB 705	(4)	Doctoral Level Epidemiologic Methods 2
EPIB 706	(3)	Doctoral Seminar in Epidemiology
EPIB 707	(3)	Research Design in Health Sciences

Complementary Courses (3 credits)

3 credits of coursework in biostatistics at the 500 level or higher. Courses must be chosen in consultation with the student's supervisor and/or the degree program's director or adviser.

11.124.3410 Doctor of Philosophy (Ph.D.) Epidemiology: Population Dynamics

The Ph.D. in Epidemiology; Population Dynamics program focuses on training in demographic methods (including life table analyses) and critical population dynamic issues such as population health, migration, aging, family dynamics, and labour markets.

Thesis

A thesis for the doctoral 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 (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, occupational and environmental health, genetics, and ecology. Biostatisticians play key roles in designing studies—from helping to formulate the questions that can be answered by data collection to the decisions on how best to collect the data—and in analyzing the resulting data. Our biostatistics faculty work in close collaboration with epidemiologists, clinicians, public health specialists, basic scientists, and other health researchers. They also develop new statistical methods for such data. Students will take courses, and may do research, on topics such as:

- generalized linear models;
- longitudinal data;

- 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.

Ph.D.

Students with the above qualifications, in addition to an M.Sc. degree in Statistics or Biostatistics, will be considered for Ph.D. admission.

Complete details on the Biostatistics programs are available on our departmental website at mcgill.ca/epi-biostat-occh/academic-programs/grad/biostatistics.

Language Requirement

The minimum *TOEFL* score required, when applicable, is 100 on the Internet-based test. The minimum score for *IELTS* is 6.5.

11.124351.2 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.

Completed applications, with all supporting documents, must be uploaded directly to the McGill [graduate admissions system](#) by the application deadlines.

Please see our website at mcgill.ca/epi-biostat-occh/academic-programs/grad/biostatistics/applying for information on required application documents.

11.124351.3 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 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

	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
 MATH 533 (4) Regression and Analysis of Variance
 MATH 556 (4) Mathematical Statistics 1
 MATH 557 (4) Mathematical Statistics 2

Complementary Courses (18 credits)

18 credits of coursework, at the 500 level or higher, chosen in consultation with the student's academic adviser or supervisor.

11.124.354 Doctor of Philosophy (Ph.D.) Biostatistics

Students will study theoretical and applied statistics and related fields; the program will train them to become independent scientists able to develop and apply statistical methods in medicine and biology and make original contributions to the theoretical and scientific foundations of statistics in these disciplines. Graduates will be prepared to develop new statistical methods as needed and apply new and existing methods in a range of collaborative projects. Graduates will be able to communicate methods and results to collaborators and other audiences, and teach biostatistics to biostatistics students, students in related fields, and professionals in academic and other settings.

Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. 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)

0-28 credits from the following list: (if a student has not already successfully completed them or their equivalent)

BIOS 601	(4)	Epidemiology: Introduction and Statistical Models
BIOS 602	(4)	Epidemiology: Regression Models
BIOS 624	(4)	Data Analysis and Report Writing
MATH 523	(4)	Generalized Linear Models
MATH 533	(4)	Regression and Analysis of Variance
MATH 556	(4)	Mathematical Statistics 1
MATH 557	(4)	Mathematical Statistics 2

12 credits (chosen and approved in consultation with the student's academic adviser), at the 500 level or higher, in statistics/biostatistics.

6 credits (chosen and approved in consultation with the student's academic adviser), at the 500 level or higher, in related fields (e.g., epidemiology, social sciences, biomedical sciences).

11.12.4.4 Occupational Health

11.12.4.4.1 Location

Department of Epidemiology, Biostatistics and Occupational Health
 Purvis Hall
 1020 Pine Avenue West
 Montreal QC H3A 1A2
 Canada
 Telephone: 514-398-6258
 Email: graduate.eboh@mcgill.ca
 Website: mcgill.ca/epi-biostat-occh

11.12.4.4.2 About Occupational Health

The Department offers two graduate degree programs: a **master's** (M.Sc.A.) and **doctoral** (Ph.D.) in occupational health sciences. The master's program is available on campus or in distance education format. Special Student status is encouraged for students who wish to take only specific courses from our M.Sc. program, but there is a maximum of 12 credits overall, with a maximum of 6 credits per semester, for those with Special Student status.

Students are required to have access to a computer and the Internet, as some of the course material is most readily available online.



Note: We are not accepting applications for the Occupational Health M.Sc.A. (Distance) or Ph.D. programs until further notice.

section 11.12.4.4.5: Master of Science, Applied (M.Sc.A.) Occupational Health (Non-Thesis) (Resident) (46 credits)

A three-term program leading to the degree of Master of Science (Applied) (M.Sc.A.) in Occupational Health Sciences, appropriate for graduates from engineering and basic sciences, physicians, and nurses. Occupational health training allows candidates to evaluate work environments and reduce or eliminate work hazards using prevention and control.

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 over the Internet.

section 11.12.4.4.7: Doctor of Philosophy (Ph.D.) Occupational Health

The objective of this program is to train independent researchers in the field of work environment and health.

11.12.4.4.3 Occupational Health Admission Requirements and Application Procedures**11.12.4.4.3.1 Admission Requirements**

Applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English by appropriate exams, e.g., *TOEFL* (Test of English as a Foreign Language) with a minimum score of 86 on the Internet-based test (iBT), with each component score not less than 20.

M.Sc. Applied Program (Resident) (on campus)

Candidates should have completed, with a standing equivalent to a minimum cumulative grade point average (CGPA) of 3.0 out of 4.0, one of the requisites below:

- a Bachelor of Science degree or its equivalent, in a discipline relevant to occupational health or hygiene such as chemistry, engineering, environmental sciences, or physics
- an M.D. (medicine)
- a B.Sc. in health sciences or nursing

Distance Education

Note: We are not accepting applications for the Occupational Health Distance program until further notice.

Candidates should have completed, with a standing equivalent to a minimum cumulative grade point average (CGPA) of 3.0 out of 4.0, one of the requisites below:

- a Bachelor of Science degree, or its equivalent, in a discipline relevant to occupational health or hygiene such as chemistry, engineering, environmental sciences, or physics
- an M.D. (medicine)
- a B.Sc. in health sciences or nursing

Candidates should have at least three years of experience in industrial hygiene and/or in safety.

For medical doctors and nurses, priority will be given to candidates with at least three years of experience in occupational health.

Ph.D. Program

Note: We are not accepting applications for the Occupational Health Ph.D. program until further notice.

Candidates must hold an M.Sc. degree or its equivalent in occupational health sciences, or in a relevant discipline, such as: community health, environmental health, epidemiology, chemistry, engineering, physics, or health sciences (medicine, nursing, etc.).

11.12.4.4.3.2 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.

Resident (on campus)

Applications are considered for Fall term only. Applications for Winter/Summer term admission will not be considered, with the exception of admission as Special Students in the Winter term.

Distance Education

Students are required to have access to a computer and the Internet as the course material is available through the web.

Ph.D. Program

Each student will be assigned to one academic staff member of the Department, who will act as their supervisor, and who will guide them in the preparation of a definite research protocol.

11.12.4.4.3.2.1 Additional Requirements

The items and clarifications below are additional requirements set by this department:

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.

11.12444 Occupational Health Faculty

Please see [section 11.12.4.3.3: Epidemiology, Biostatistics and Occupational Health Faculty](#).

11.12445 Master of Science, Applied (M.Sc.A.) Occupational Health (Non-Thesis) (Resident) (46 credits)

A three-term program leading to the degree of Master of Science(Applied) [M.Sc.(A.)] in Occupational Health; Non-Thesis, appropriate for graduates from engineering and basic sciences, physicians, and nurses. Occupational health training includes evaluation of work environments and reduction or elimination of work hazards using prevention and control.

Research Project (15 credits)

OCCH 699 (15) Project Occupational Health and Safety

Required Courses (31 credits)

EPIB 507 (3) Biostats for Health Sciences
 EPIB 601 (4) Fundamentals of Epidemiology
 OCCH 602 (3) Occupational Health Practice
 OCCH 604 (3) Monitoring Occupational Environment
 OCCH 605 (6) Physical Health Hazards
 OCCH 608 (3) Biological Hazards
 OCCH 612 (3) Principles of Toxicology
 OCCH 615 (3) Occupational Safety Practice

OCCH 616 (3) Occupational Hygiene

11.124.46 Master of Science, Applied (M.Sc.A.) Occupational Health (Non-Thesis) (Distance) (45 credits)

This program is currently not accepting applicants.

Research Project (15 credits)

OCCH 699 (15) Project Occupational Health and Safety

Required Courses (30 credits)

Note: Students must pass the Master's Integrative Examination (OCCH 600) before writing their Project.

Each course has a final (proctored) examination at the end of the term.

OCCH 600	(0)	Master's Integrative Exam
OCCH 602	(3)	Occupational Health Practice
OCCH 603	(3)	Work and Environment Epidemiology 1
OCCH 604	(3)	Monitoring Occupational Environment
OCCH 608	(3)	Biological Hazards
OCCH 612	(3)	Principles of Toxicology
OCCH 615	(3)	Occupational Safety Practice
OCCH 616	(3)	Occupational Hygiene
OCCH 617	(3)	Occupational Diseases
OCCH 624	(3)	Social and Behavioural Aspects - Occupational Health
OCCH 625	(3)	Work and Environment Epidemiology 2
OCCH 626	(3)	Basics: Physical Health Hazards
OCCH 627	(3)	Work Physiology and Ergonomics
OCCH 630	(3)	Occupational Diseases for OHNS
OCCH 635	(3)	Environmental Risks to Health

On-campus practicum may be held at the discretion of each professor. These sessions are held in Montreal on the McGill University campus. Their aim is to offer students additional specific learning activities. Participation in the practicum is an essential component of the program.

11.124.47 Doctor of Philosophy (Ph.D.) Occupational Health

This program is currently not accepting applicants.

Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

Required Courses (2 credits)

OCCH 700	(0)	Ph.D. Comprehensive Examination
OCCH 706	(2)	Ph.D. Seminar on Occupational Health and Hygiene

Students are encouraged to take up to 12 credits in areas pertinent to their specialty or in areas necessary to complete their knowledge of occupational health.

12 Schulich School of Music

12.1 Dean's Welcome

Welcome to Graduate and Postdoctoral Studies (GPS) at McGill. You are joining a community of world-class researchers and more than 10,000 graduate students in over 400 programs. GPS is here to support you from admissions through to graduation and beyond. McGill's approach to graduate education emphasizes skills development; we cultivate your academic and professional growth through a variety of workshops, events and experiential learning opportunities. I invite you to consult the [GPS website](#) for information on the range of resources available to graduate students at McGill.

I would like to wish you all the best in your studies at McGill. We are here to make sure that you have the best possible experience.

Josephine Nalbantoglu, Ph.D.

Associate Provost (Graduate Education) and Dean, Graduate and Postdoctoral Studies

12.2 Graduate and Postdoctoral Studies

12.2.1 Administrative Officers

Administrative Officers

Josephine Nalbantoglu; B.Sc., Ph.D.(McG.)

Associate Provost (Graduate Education) and Dean (Graduate and Postdoctoral Studies)

Lorraine Chalifour; B.Sc., Ph.D. (Manit.)

Associate Dean (Graduate and Postdoctoral Studies)

Nathan Hall; B.A., M.A., Ph.D. (Manit.)

Associate Dean (Graduate and Postdoctoral Studies)

Russell Steele; B.S., M.S. (Carn. Mell), Ph.D. (Wash.)

Associate Dean (Graduate and Postdoctoral Studies)

12.2.2 Location

James Administration Building, Room 400

845 Sherbrooke Street West

Montreal QC H3A 0G4

Website: mcgill.ca/gps



Note: For inquiries regarding specific graduate programs, please contact the appropriate department.

12.2.3 Graduate and Postdoctoral Studies' Mission

The mission of Graduate and Postdoctoral Studies (GPS) is to promote university-wide academic excellence for graduate and postdoctoral education at McGill. GPS provides leadership and strategic direction across the university in close collaboration with the academic and administrative units, and the graduate and postdoctoral community.

12.3 Important Dates

For all dates relating to the academic year, consult mcgill.ca/importantdates.

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

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.

12.8 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.

12.8.1 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.).

12.8.2 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. Privileges

i. Postdocs have the same pertinent rights as the ones granted to McGill students under [mcgill.ca/students/srr](#), and those granted by the policies listed at [mcgill.ca/secretariat/policies-and-regulations](#).

ii. Postdocs have full graduate student borrowing privileges in McGill libraries through their identity card.

iii. As a general rule, postdocs may take courses for credit as Special Students following the admissions procedures outlined at [mcgill.ca/gradapplicants/apply/prepare/visiting](#). [Tuition and other charges](#) will apply.

iv. Postdocs may be listed in the McGill directory.

v. Access to sports facilities may be purchased on a monthly basis through McGill Athletics and Recreation.

vi. Postdoctoral Fellows and Scholars are mandatory members of the Post-Graduate Students' Society (PGSS) and an annual association fee is automatically charged.

vii. Postdocs are permitted membership in the Faculty Club; an annual fee will be charged for this membership.

viii. Postdocs are encouraged to participate in Professional Development Workshops provided by Graduate and Postdoctoral Studies, and Teaching and Learning services. These sessions are usually free of charge.

ix. Postdocs have 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.

12.8.3 Vacation Policy for Postdocs

Please refer to the [section 1.2.9: Vacation Policy for Graduate Students and Postdocs](#).

12.8.4 Leave of Absence for Health and Parental/Familial Reasons

A leave of absence may be granted for maternity or parental reasons or for health reasons (see [University Regulations & Resources > Graduate > section 1.2.8: Leave of Absence Status](#)).

Such a leave must be requested on a term-by-term basis and may be granted for a period of up to 52 weeks. For a maternity or parental leave, the eligibility period of a maximum of 52 consecutive weeks is determined based on when the child is born; if the leave is interrupted for one or two terms, the eligibility period cannot be extended. Students and Postdocs must make a request for such a leave in writing to their department and submit a medical certificate. The department shall forward the request to Enrolment Services. See the procedure in [University Regulations & Resources > Graduate > section 1.2.8: Leave of Absence Status](#).

Students who have been granted such a leave will have to register for the term(s) in question and their registration will show as "leave of absence" on their record. No tuition fees will be charged for the duration of the authorized leave. Research supervisors are not obligated to remunerate students and Postdocs on leave. A summary table of various leave policies (paid or unpaid) for students and Postdocs paid from the Federal and Quebec Councils through fellowships or research grants is available at mcgill.ca/gps/funding/getting-paid under "Leave Policies and Form."

12.8.5 Postdoctoral Research Trainees

Eligibility

If your situation does not conform to the Government of Quebec's definition of a Postdoctoral Fellow, you may be eligible to attend McGill as a Postdoctoral Research Trainee. While at McGill, you can perform research only (you may not register for courses or engage in clinical practice). Medical specialists who will have clinical exposure and require a training card must register through Postgraduate Medical Education of the Faculty of Medicine and Health Sciences—not Graduate and Postdoctoral Studies.

The category of Postdoctoral Research Trainee is for:

Category 1: An individual who has completed requirements for the Doctoral degree or medical specialty, but whose degree/certification has not yet been awarded. An individual in this category will subsequently be eligible for registration as a Postdoctoral Fellow.

Category 2: An individual who is not eligible for Postdoctoral Registration according to the Government of Quebec's definition, but is a recipient of an external postdoctoral award from a recognized Canadian funding agency.

Category 3: An individual who holds a professional degree (or equivalent) in a regulated health profession (as defined under CIHR-eligible health profession) and is enrolled in a program of postgraduate medical education at another institution. This individual wishes to conduct the research stage or elective component of their program of study at McGill University under the supervision of a McGill professor. This individual will be engaged in full-time research with well-defined objectives, responsibilities, and methods of reporting. Applications must be accompanied by a letter of permission from the applicant's home institution (signed by the Department Chair, Dean, or equivalent) confirming registration in their program and stating the expected duration of the research stage. Individuals who are expecting to spend more than one year are encouraged to obtain formal training (master's or Ph.D.) through application to a relevant graduate program.

Category 4: An individual with a regulated health professional degree (as defined under CIHR-eligible health profession), but not a Ph.D. or equivalent or medical specialty training, but who fulfils criteria for funding on a tri-council operating grant or by a CIHR fellowship (up to maximum of five years post-degree).



Note: Individuals who are not Canadian citizens or permanent residents must inquire about eligibility for a work permit.

General Conditions

- The maximum duration is three years
- The individual must be engaged in full-time research
- The individual must provide copies of official transcripts/diplomas
- The individual must have the approval of a McGill professor to supervise the research and of the Unit
- The individual must have adequate proficiency in English, but is not required to provide official proof of English competency to Enrolment Services
- The individual must comply with regulations and procedures governing research ethics and safety and obtain the necessary training
- The individual will be provided access to McGill libraries, email, and required training in research ethics and safety. Any other University services must be purchased (e.g., access to athletic facilities)
- The individual must arrange for basic health insurance coverage prior to arrival at McGill and may be required to provide proof of coverage

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

12.10 Graduate Student Services and Information

Graduate students are encouraged to refer to [section 1.7: Student Services and Information](#) for information on the following topics:

- Service Point
- Student Rights & 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

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 Faculty with other University departments and research institutes.

Nestled in the heart of the city, the School also draws on the rich cultural life of Montreal—a bilingual city with a celebrated symphony orchestra, dozens of annual festivals, and hundreds of live music venues hosting world-class concerts.

The **Master of Arts degree (M.A.)** is available as a thesis option in Music Education, Music Technology, Musicology (with an option in Gender and Women's Studies), and Theory (with an option in Gender and Women's Studies), and as a non-thesis option in Music Education, Musicology, and Theory.

The **Master of Music degree (M.Mus.)** is available in Composition, Performance, and Sound Recording. Specializations offered within the performance option are: piano, guitar, orchestral instruments (including orchestral training), organ and church music, conducting, collaborative piano, opera and voice, early music, and jazz.

The **Graduate Certificate** in Performance – Choral Conducting is designed for choral conductors wishing to perfect their technical, pedagogical, and musical skills. This flexible program allows conductors to develop their craft while maintaining their professional activities.

The **Graduate Diploma** in Performance is a one-year graduate diploma that allows excellent musicians to refine their technique and master repertoire through intensive coaching, practice, and performance projects.

The **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 available for the most highly ranked incoming international students. The Scholarships and Student Aid Office offers information and options for out-of-province, American, and other international students (see mcgill.ca/studentaid).

Returning students are eligible for a small number of in-course scholarships awarded annually to recognize excellence in academic and performance achievement.

The Schulich School of Music also has a renowned mentoring program that helps students develop applications for a wide variety of external funding for national, international, and university competitions (*CIRMMT* Research, *DAAD*, *Fulbright*, *NSERC*, *NSERC Discovery*, *Connection grants*, *SSHRC*, *Vanier*, etc.), including various arts and cultural organizations (recordings, commissions, production artistic development). Some provide for multi-year funding, others funding for individual projects.

Opportunities for funding through Work Study and as teaching assistants also provide professional training. Positions include TAs, invigilators, apprentice writers for program notes, sound recording technicians, library assistants, stage hands, Opera Studio, and front-of-house staff, among others. Positions for teaching assistantships are advertised each semester by departmental announcement. Typically there are few, if any, TA positions available for students in their first year of study. Posts are advertised through the Music Research and Performance Departments at the beginning of each semester and through the [Work Study website](#).

A variety of research assistantships in selected areas are also available. Inquiries should be directed to the supervisors, the Associate Dean of Graduate Studies in Music, and the Associate Dean for Research (see mcgill.ca/music/people-research/staff-directory).

Opportunities for paid performances in the community for soloists, choristers, chamber ensembles, organists, orchestral and jazz musicians, and piano collaborators are facilitated through the Booking Office (see mcgill.ca/music/about-us/hire-student-musicians/gig-list).

The Schulich School of Music also provides travel funding for conferences and special performance and research initiatives. Graduate students may apply once per academic year; see mcgill.ca/music/student-resources/competitions-awards.

Master's Programs

section 12.12.1.3: Master of Music (M.Mus.) Music: Composition (Thesis) (45 credits)

The M.Mus. in Music; Composition offers the students the possibility to develop their own individual voices through private instruction with some of Canada’s most accomplished composers, all of whom have distinguished themselves through high-profile commissions, performances, recordings, and awards. The faculty members' diverse interests ensure that students will find a suitable mentor/supervisor.

Students admitted to the M.Mus. in Music; Composition program who have undergraduate degrees other than the B.Mus. in Composition 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/mmus-composition.

section 12.12.1.5: Master of Arts (M.A.) Music: Music Education (Thesis) (45 credits)

The M.A. in Music; Music Education provides an opportunity for studio- and classroom-based teachers and music educators working in other community settings, to explore current issues in music education and to implement their own research studies. Seminars introduce foundations of a range of research methodologies and critical thinking skills.

Students admitted to the M.A. in Music; Music Education program who have undergraduate degrees other than the B.Mus. 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.

For more information, see mcgill.ca/music/programs/ma-music-education.

section 12.12.1.9: Master of Arts (M.A.) Music: Music Technology (Thesis) (45 credits)

The M.A. in Music; Music Technology encourages interaction between musical creation, technology, and research, with an intensive focus on scientific research of advanced music technologies. Topics include computer music, new media, musical acoustics, digital signal processing, human-computer interaction, synthesis and gestural control, music information retrieval and music perception and cognition.

Students admitted to the M.A. in Music; Music Technology 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 program.

For more information, see mcgill.ca/music/programs/ma-music-technology.

section 12.12.1.7: Master of Arts (M.A.) Music: Musicology (Thesis) (45 credits)

The M.A. in Music; Musicology focuses on the diverse ways in which music's political, social, and historical contexts shape its meanings. Introduction to foundational methodologies, critical thinking skills and exploration of themes in musicological literature and analytical skills.

Students admitted to the M.A. in Music; Musicology program who have undergraduate degrees other than the B.Mus. in Music History from McGill University, may be required to successfully complete one or more undergraduate course(s) before completion of the Master's program.

For more information, see mcgill.ca/music/programs/ma-musicology.

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/mmus-sound-recording.

section 12.12.1.11: Master of Arts (M.A.) Music: Theory (Thesis) (45 credits)

The M.A. in Music; Theory explores how specific pieces of music are put together and how this may be generalized to relate to the way other pieces of music are composed, including music theory, various analytical models and the critical issues that define the discipline.

Students admitted to the M.A. Music; Theory program who have undergraduate degrees other than the B.Mus. in Theory from McGill University, may be required to successfully complete one or more undergraduate course(s) before completion of the Master's program.

For more information, see mcgill.ca/music/programs/ma-theory.

section 12.12.1.12: 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. 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-theory.

section 12.12.1.4: Master of Arts (M.A.) Music: Music Education (Non-Thesis) (45 credits),***section 12.12.1.6: Master of Arts (M.A.) Music: Musicology (Non-Thesis) (45 credits), and******section 12.12.1.10: Master of Arts (M.A.) Music: Theory (Non-Thesis) (45 credits)***

The M.A. program in Music; Non-Thesis - Music Education is a course-based program that focuses on disciplinary research methodologies and critical issues. Guidance is provided by leading scholars whose internationally acclaimed research covers a broad spectrum of topics central to the music education discipline.

Students admitted to the M.A. in Music; Non-Thesis - Music Education program who have undergraduate degrees other than the B.Mus. 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.

The M.A. in Music; Non-Thesis - Musicology is a course-based program that focuses on research methodologies and critical issues. Guidance is provided by leading scholars whose internationally-acclaimed research covers a broad spectrum of topics central to the Musicology discipline.

Students admitted to the M.A. in Music; Non-Thesis - Musicology program who have undergraduate degrees other than the B.Mus. in Music History from McGill University, may be required to successfully complete one or more undergraduate course(s) before completion of the Master's program.

***section 12.12.1.4: Master of Arts (M.A.) Music: Music Education (Non-Thesis) (45 credits),
section 12.12.1.6: Master of Arts (M.A.) Music: Musicology (Non-Thesis) (45 credits), and
section 12.12.1.10: Master of Arts (M.A.) Music: Theory (Non-Thesis) (45 credits)***

The M.A. in Music; Non-Thesis - Theory is a course-based program that focuses on disciplinary knowledge and critical issues. Guidance provided by leading scholars whose internationally-acclaimed research covers a broad spectrum of topics central to the theory discipline.

Students admitted to the M.A. in Music; Non-Thesis - Theory who have undergraduate degrees other than the B.Mus. in Theory from McGill University, may be required to successfully complete one or more undergraduate course(s) before completion of the Master's program.

For more information, see mcgill.ca/music/admissions/graduate/masters.

section 12.12.1.17: Master of Music (M.Mus.) Performance: Jazz Performance (Thesis) (45 credits)

The M.Mus. Performance; Jazz program is flexibly designed to offer specialization in Jazz Composition, Jazz Performance, or Jazz Orchestra. All students take courses in jazz pedagogy, composition, and arranging. A recital and a recording of original music are the principal thesis requirements.

Students admitted to the M.Mus. Performance; Jazz program who have undergraduate degrees other than the B.Mus. in Performance Jazz from McGill University, may be required to successfully complete one or more undergraduate courses before completion of the Master's degree.

For more information, see mcgill.ca/music/programs/mmus-jazz.

section 12.12.1.16: Master of Music (M.Mus.) Performance: Early Music (Thesis) (45 credits)

The Master of Music in Performance; Early Music program offers early music instrumentalists and vocalists instruction and performance experiences of a rich variety, as well as studies in historical performance practice.

Students admitted to the M.Mus. in Performance; Early Music program who have undergraduate degrees other than the B.Mus. in Early Music Performance from McGill University, may be required to successfully complete one or more undergraduate courses before completion of the Master's 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.

For more information, see mcgill.ca/music/programs/mmus-early-music.

section 12.12.1.19: Master of Music (M.Mus.) Performance: Orchestral Instruments, Guitar (Thesis) (45 credits)

The M.Mus. Performance; Orchestral Instruments, Guitar program provides instrumentalists and guitarists with the opportunity to hone their artistry and expressive, interpretative skills. The program combines performance with seminars in performance practice in the broader humanistic and scientific contexts of music and artistic research-creation.

Students admitted to the M.Mus. Performance; Orchestral Instruments, Guitar program who have undergraduate degrees other than the B.Mus. in Performance Orchestral Instruments or 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. in Performance Orchestral Instruments or 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.

For more information, see mcgill.ca/music/programs/mmus-orchestral-instruments-guitar.

section 12.12.1.14: Master of Music (M.Mus.) Performance: Collaborative Piano (Thesis) (45 credits)

The M.Mus. in Performance; Collaborative Piano program focuses on the pianist as a collaborative musician in art song, instrumental, and opera répétiteur settings, including coaching responsibilities as well as collaboration with other musicians. Candidates need to have excellent technique and interpretative skills, sight-reading abilities, and previous collaborative experience.

Students admitted to the M.Mus. in Performance; Collaborative Piano program who have undergraduate degrees other than the B.Mus. in Performance Piano from McGill University, may be required to successfully complete one or more undergraduate courses before completion of the Master's degree. Students with a B.Mus. Major 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.

For more information, see mcgill.ca/music/programs/mmus-collaborative-piano.

section 12.12.1.21: Master of Music (M.Mus.) Performance: Piano (Thesis) (45 credits)

The M.Mus. in Performance; Piano program immerses the pianist in a vibrant musical environment that blends performance training with humanities-based scholarship. The program provides opportunities for chamber music and a range of recital options including solo and chamber music performance, sound recording, and creative interdisciplinary projects.

Students admitted to the M.Mus. in Performance; Piano program who have undergraduate degrees other than the B.Mus. in Performance Piano from McGill University, may be required to successfully complete one or more undergraduate courses before completion of the Master's degree. Students with a B.Mus. in Performance Piano degree from McGill University may be required to successfully complete MUPD 560 Introduction to Research Methods in Music before completion of the Master's program.

section 12.12.1.21: Master of Music (M.Mus.) Performance: Piano (Thesis) (45 credits)

For more information, see mcgill.ca/music/programs/mmus-piano.

section 12.12.1.20: Master of Music (M.Mus.) Performance: Organ (Thesis) (45 credits)

The M.Mus. in Performance; Organ program provides organists with the opportunity to hone their artistry and interpretive skills. The program combines performance with seminars in historically informed performance practice, music and liturgy, counterpoint, improvisation, and continuo playing, among other options.

Students admitted to the M.Mus. in Performance; Organ program who have undergraduate degrees other than the B.Mus. in Performance (Organ) from McGill University, may be required to successfully complete one or more undergraduate course(s) before completion of the Master's degree. Students with a B.Mus. Major Performance (Organ) degree from McGill University may be required to successfully complete MUPD 560 Introduction to Research Methods in Music before completion of the Master's program.

For more information, see mcgill.ca/music/programs/mmus-organ.

section 12.12.1.15: Master of Music (M.Mus.) Performance: Conducting (Thesis) (45 credits)

The M.Mus. in Performance; Conducting program allows students to specialize in instrumental or choral conducting. The program provides for concentrated podium time, interactions with world-class conductors, score study and the development of rehearsal technique. A range of seminars provides for the in-depth study of performance practice and the development of analytical skills.

Students admitted to the M.Mus. in Performance; Conducting program who have undergraduate degrees other than the B.Mus. from McGill University may be required to successfully complete one or more undergraduate course(s) before completion of the Master's degree. Students with a B.Mus. degree from McGill University may be required to successfully complete MUPD 560 Introduction to Research Methods in Music, some diction courses, orchestration classes and a keyboard course before completion of the Master's program.

For more information, see mcgill.ca/music/programs/mmus-conducting.

section 12.12.1.18: Master of Music (M.Mus.) Performance: Opera and Voice (Thesis) (45 credits)

The M.Mus. in Performance; Opera and Voice program immerses the students in a vibrant musical environment that blends performance training with humanities-based scholarship. The program provides opportunities to develop artistry in a variety of solo and operatic repertoires.

Students admitted to the M.Mus. in Performance; Opera and Voice program who have undergraduate degrees other than the B.Mus. in Performance Voice from McGill University, may be required to successfully complete one or more undergraduate courses before completion of the Master's degree. Students with a B.Mus. Major 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.

For more information, see mcgill.ca/music/programs/mmus-opera-voice.

Graduate Certificate***section 12.12.1.27: Graduate Certificate (Gr. Cert.) Performance Choral Conducting (15 credits)***

This program is designed for choral conductors wishing to perfect their technical, pedagogical, and musical skills, allowing 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.

Graduate Diplomas***section 12.12.1.28: Graduate Diploma (Gr. Dip.) Performance (30 credits)***

This one-year graduate performance diploma allows excellent musicians to refine their technique and master repertoire through intensive coaching, practice, and performance projects. Designed as a polishing diploma, the program prepares musicians for professional careers as soloists, opera singers, collaborative pianists, chamber, jazz and orchestral musicians, or for further graduate studies in performance. 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 an M.Mus.

For more information, see mcgill.ca/music/programs/gdp.

section 12.12.1.26: Graduate Artist Diploma (Gr. Art. Dip.) Performance (30 credits)

The Graduate Artist Diploma is the uppermost diploma offered at the Schulich School of Music. It is tailored for artist performers wishing to achieve the highest level of artistry in their craft through intensive coaching, practicing, and performance projects. Candidates are preparing for stage careers as soloists and orchestral musicians, opera singers, collaborative pianists, and chamber ensembles. Program requirements are flexible, with a range of performance project options relevant to the diverse opportunities of the modern artist (chamber, recording, creative collaborations, etc.). Students can be admitted to

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 the critical thinking and the fertile exchange of ideas that promote new ways of engaging with music. The artistic research may assume a variety of forms from the study of scores, works, and contextual influences through the analysis of performance itself and the creation of new works.

Students benefit from mentoring by internationally renowned coaches and the research expertise of faculty from the Department of Music Research.

For more information, see mcgill.ca/music/programs/dmus-performance.

section 12.12.1.24: Doctor of Philosophy (Ph.D.) Music (Composition, Music Education, Musicology, Music Technology, Sound Recording, Theory, Interdisciplinary Studies)

The PhD in Music is offered in six different topic areas: Musicology, Music Theory, Music Technology, Music Education, Sound Recording and Composition with the possibility to conduct research in an interdisciplinary way.

Students admitted to the PhD; 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.

For more information, see mcgill.ca/music/admissions/graduate/doctoral.

section 12.12.1.25: Doctor of Philosophy (Ph.D.) Music: Gender and Women's Studies

This program is open to doctoral students who are interested in cross-disciplinary research that focuses on issues centrally related to gender, sexuality, feminist theory, and/or women's studies. This program is offered in collaboration with the McGill Institute for Gender, Sexuality, and Feminist Studies that includes faculty and graduate students from across the University.

Students admitted to the PhD in Music who have a master's degree other than a master's degree in music from McGill University may be required to successfully complete one or more undergraduate course(s) before completion of the doctoral program.

For more information, see mcgill.ca/music/admissions/graduate/doctoral.

12.12.1.3 Master of Music (M.Mus.) Music: Composition (Thesis) (45 credits)

The M.Mus. in Music; Composition focuses on the development of individual voices through private instruction with some of Canada's most accomplished composers, all of whom have distinguished themselves through high-profile commissions, performances, recordings, and awards. The faculty members' diverse interests ensures a suitable mentor/supervisor.

Students admitted to the M.Mus. in Music; Composition program who have undergraduate degrees other than the B.Mus.; Major in Composition from McGill University, may be required to successfully complete one or more undergraduate course(s) before completion of the Master's program.

Required Courses (33 credits)

MUCO 622D1	(3)	Composition Tutorial
MUCO 622D2	(3)	Composition Tutorial

Thesis

The thesis is a composition, accompanied by an analytical essay of approximately 20-30 pages.

MUGS 684	(6)	Master's Thesis Research 2
MUGS 685	(9)	Master's Thesis Research 3
MUGS 686	(12)	Master's Thesis Research 4

Complementary Courses (12 credits)

6 credits from the following:

MUCO 631	(3)	Seminar in Composition 1
MUCO 632	(3)	Seminar in Composition 2
MUCO 633	(3)	Seminar in Composition 3
MUCO 634	(3)	Seminar in Composition 4
MUCO 635	(3)	Seminar in Composition 5
MUCO 636	(3)	Seminar in Composition 6

6 credits of seminars, at the 600 level or higher, approved by the Schulich School of Music.

12.12.1.4 Master of Arts (M.A.) Music: Music Education (Non-Thesis) (45 credits)

The M.A. in Music; Non-Thesis - Music Education is a course-based program that focuses on disciplinary research methodologies and critical issues. Guidance is provided by leading scholars whose internationally acclaimed research covers a broad spectrum of topics central to the music education discipline.

Students admitted to the M.A. in Music; Non-Thesis - Music Education program who have undergraduate degrees other than the B.Mus.; Minor in Music Education from McGill University, may be required to successfully complete one or more undergraduate course(s) before completion of the Master's program.

Required Courses (27 credits)

MUGS 614	(3)	Reading Course 1
MUGS 615	(3)	Reading Course 2
MUGT 610	(3)	Seminar - Music Education 1

Research Project

MUGS 635	(9)	Research Paper 1
MUGS 636	(9)	Research Paper 2

Complementary Courses (18 credits)

9 credits from the following:

MUGT 610	(3)	Seminar - Music Education 1
MUGT 611	(3)	Seminar - Music Education 2
MUGT 612	(3)	Seminar - Music Education 3
MUGT 613	(3)	Seminar - Music Education 4

9 credits of seminars at the 600 level or higher, approved by the Schulich School of Music. With the approval of the Music Education Area, 6 credits may be taken in the Faculty of Education.

12.12.1.5 Master of Arts (M.A.) Music: Music Education (Thesis) (45 credits)

The M.A. in Music; Music Education provides an opportunity for studio- and classroom-based teachers and music educators working in other community settings, to explore current issues in music education and to implement their own research studies. Seminars introduce foundations of a range of research methodologies and critical thinking skills. The thesis can be submitted in one of two formats: in-depth monograph-style thesis, or a research-paper-based

thesis. Students who prefer to write an in-depth monograph-style thesis will take MUGS 684 Masters Thesis Research 2 as a complementary course. Students who prefer to write a research-paper-based thesis will take two more seminars.

Students admitted to the M.A. in Music; Music Education program who have undergraduate degrees other than the B.Mus.; Minor in Music Education from McGill University, may be required to successfully complete one or more undergraduate course(s) before completion of the Master's program.

Required Courses (27 credits)

MUGT 610	(3)	Seminar - Music Education 1
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Thesis Courses:

MUGS 683	(3)	Master's Thesis Research 1
MUGS 685	(9)	Master's Thesis Research 3
MUGS 686	(12)	Master's Thesis Research 4

Complementary Courses (18 credits)

6-9 credits from the following:

MUGT 610	(3)	Seminar - Music Education 1
MUGT 611	(3)	Seminar - Music Education 2
MUGT 612	(3)	Seminar - Music Education 3
MUGT 613	(3)	Seminar - Music Education 4

0-6 credits from the following

MUGS 684 Master's Thesis Research 2 (6 credits)

3-12 credits of seminars, at the 600 level or higher, approved by the Schulich School of Music

12.12.1.6 Master of Arts (M.A.) Music: Musicology (Non-Thesis) (45 credits)

The M.A. in Music; Musicology-Non-Thesis is a course-based program that focuses on research methodologies and critical issues. Guidance is provided by leading scholars whose internationally-acclaimed research covers a broad spectrum of topics central to the Musicology discipline.

Students admitted to the M.A. in Music; Musicology-Non-Thesis program who have undergraduate degrees other than the B.Mus.; Major in Music History from McGill University, may be required to successfully complete one or more undergraduate course(s) before completion of the Master's program.

Required Courses (27 credits)

MUGS 614	(3)	Reading Course 1
MUGS 615	(3)	Reading Course 2
MUHL 529	(3)	Proseminar in Musicology

Research Project

MUGS 635	(9)	Research Paper 1
MUGS 636	(9)	Research Paper 2

Complementary Courses (18 credits)

12 credits from the following:

MUHL 680	(3)	Seminar in Musicology 1
MUHL 681	(3)	Seminar in Musicology 2
MUHL 682	(3)	Seminar in Musicology 3

MUHL 683	(3)	Seminar in Musicology 4
MUHL 684	(3)	Seminar in Musicology 5
MUHL 685	(3)	Seminar in Musicology 6

6 credits of seminar at the 600 level or higher, approved by the Schulich School of Music.

12.12.1.7 Master of Arts (M.A.) Music: Musicology (Thesis) (45 credits)

The M.A. in Music; Musicology program focuses on the diverse ways in which music's political, social, and historical contexts shape its meanings. Introduction to foundational methodologies, critical thinking skills and exploration of themes in musicological literature and analytical skills. The thesis can be submitted in one of two formats: in-depth monograph-style thesis, or a research-paper-based thesis. Students who prefer to write an in-depth monograph-style thesis will take MUGS 684 Masters Thesis Research 2 as a complementary course. Students who prefer to write a research-paper-based thesis will take two more seminars.

Students admitted to the M.A. in Music; Musicology program who have undergraduate degrees other than the B.Mus.; Major in Music History from McGill University, may be required to successfully complete one or more undergraduate course(s) before completion of the Master's program.

Required Courses (24 credits)

MUHL 529	(3)	Proseminar in Musicology
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Thesis Courses:

MUGS 685	(9)	Master's Thesis Research 3
MUGS 686	(12)	Master's Thesis Research 4

Complementary Courses (21 credits)

3 credits from the following:

MUHL 591D1	(1.5)	Paleography
MUHL 591D2	(1.5)	Paleography
MUHL 592	(3)	Popular Music Studies

Complementary Courses

12 credits from the following:

MUHL 680	(3)	Seminar in Musicology 1
MUHL 681	(3)	Seminar in Musicology 2
MUHL 682	(3)	Seminar in Musicology 3
MUHL 683	(3)	Seminar in Musicology 4
MUHL 684	(3)	Seminar in Musicology 5
MUHL 685	(3)	Seminar in Musicology 6

0-6 credits from the following:

MUGS 684	(6)	Master's Thesis Research 2
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0-6 credits of seminars, at the 600 level or higher, approved by the Schulich School of Music.

12.12.1.8 Master of Arts (M.A.) Music Musicology (Thesis): Gender and Women's Studies (45 credits)

The Master of Arts in Music; Musicology - Gender and Women's Studies focuses on issues centrally related to gender, sexuality, feminist theory, and/or women's studies.

Students admitted to the Master of Arts in Music; Musicology - Gender and Women's Studies program who have undergraduate degrees other than the B.Mus.; Major in Music History from McGill University, may be required to successfully complete one or more undergraduate course(s) before completion of the Master's program.

Required Courses (30 credits)

MUHL 529	(3)	Proseminar in Musicology
WMST 601	(3)	Feminist Theories and Methods

Thesis Courses

The candidate will undertake supervised research leading to a thesis that will be an in-depth investigation in some specialized field of Musicology on a topic centrally related to issues of Gender and/or Women's Studies.

MUGS 683	(3)	Master's Thesis Research 1
MUGS 685	(9)	Master's Thesis Research 3
MUGS 686	(12)	Master's Thesis Research 4

Complementary Courses (15 credits)

3 credits from the following:

MUHL 591D1	(1.5)	Paleography
MUHL 591D2	(1.5)	Paleography
MUHL 592	(3)	Popular Music Studies

6 credits from the following:

MUHL 680	(3)	Seminar in Musicology 1
MUHL 681	(3)	Seminar in Musicology 2
MUHL 682	(3)	Seminar in Musicology 3
MUHL 683	(3)	Seminar in Musicology 4
MUHL 684	(3)	Seminar in Musicology 5
MUHL 685	(3)	Seminar in Musicology 6

3 credits of seminars at the 600 level or higher, approved by the Schulich School of Music.

3 credits from the following:

WMST 602	(3)	Feminist Research Symposium
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Or a 3-credit seminar at the 600 level or higher, on gender/women's issues, which may be selected from within or outside of the Schulich School of Music. The selection must be approved by the Musicology Area.

12.12.1.9 Master of Arts (M.A.) Music: Music Technology (Thesis) (45 credits)

The M.A. in Music; Music Technology encourages interaction between musical creation, technology, and research, with an intensive focus on scientific research of advanced music technologies. Topics include computer music, new media, musical acoustics, digital signal processing, human-computer interaction, synthesis and gestural control, music information retrieval and music perception and cognition.

Students admitted to the M.A. in Music; Music Technology may be required to successfully complete one or more undergraduate course(s) before completion of the Master's program.

Required Courses (30 credits)

Thesis Courses:

The candidate will undertake supervised research leading to a thesis that will utilize or investigate an aspect of musical science and technology.

MUGS 683	(3)	Master's Thesis Research 1
MUGS 684	(6)	Master's Thesis Research 2
MUGS 685	(9)	Master's Thesis Research 3
MUGS 686	(12)	Master's Thesis Research 4

Complementary Courses (15 credits)

15 credits of graduate seminars at the 500, 600, or 700 level approved by the Schulich School of Music, 9 credits of which must be Music Technology seminars with the prefix MUMT.

12.12.1.10 Master of Arts (M.A.) Music: Theory (Non-Thesis) (45 credits)

The M.A. in Music; Non-Thesis - Theory is a course-based program that focuses on disciplinary knowledge and critical issues. Guidance provided by leading scholars whose internationally acclaimed research covers a broad spectrum of topics central to the theory discipline.

Students admitted to the M.A. in Music; Non-Thesis - Theory who have undergraduate degrees other than the B.Mus.; Major in Theory from McGill University, may be required to successfully complete one or more undergraduate course(s) before completion of the Master's program.

Required Courses (24 credits)

MUGS 614	(3)	Reading Course 1
MUGS 615	(3)	Reading Course 2

Research Project

MUGS 635	(9)	Research Paper 1
MUGS 636	(9)	Research Paper 2

Complementary Courses (21 credits)

12 credits from the following:

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

3-6 credits of seminars, at the 600 level and higher, approved by the Schulich School of Music.

12.12.1.11 Master of Arts (M.A.) Music: Theory (Thesis) (45 credits)

The M.A. in Music; Theory explores how specific pieces of music are put together and how this may be generalized to relate to the way other pieces of music are composed, including music theory, various analytical models and the critical issues that define the discipline. The thesis can be submitted in one of two formats: in-depth monograph-style thesis, or a research-paper-based thesis. Students who prefer to write an in-depth monograph-style thesis will take MUGS 684 Masters Thesis Research 2 as a complementary course. Students who prefer to write a research-paper-based thesis will take two more seminars.

Depending on their background, students admitted to the M.A. Music; Theory may be required to successfully complete one or more undergraduate course(s) before completion of the Master's program.

Thesis Courses (24 credits)

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 Courses (30 credits)

WMST 601	(3)	Feminist Theories and Methods
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Thesis Courses

The candidate will undertake supervised research leading to a thesis that will be an in-depth investigation in some specialized field of Music Theory on a topic centrally related to issues of Gender and/or Women's Studies.

MUGS 684	(6)	Master's Thesis Research 2
MUGS 685	(9)	Master's Thesis Research 3
MUGS 686	(12)	Master's Thesis Research 4

Complementary Courses (15 credits)

9 credits from the following:

MUTH 652	(3)	Seminar in Music Theory 1
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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, may be required to successfully complete one or more undergraduate courses before completion of the Master's degree.

Required Course (3 credits)

MUJZ 601	(3)	Jazz Pedagogy
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Required Thesis Courses (27 credits)

9 credits from:

MUIN 626	(3)	Jazz Performance/Composition Tutorial 1
MUIN 627	(3)	Jazz Performance/Composition Tutorial 2
MUIN 628*	(3)	Jazz Performance/Composition Tutorial 3
MUIN 628D1*	(1.5)	Jazz Performance/Composition Tutorial 3
MUIN 628D2*	(1.5)	Jazz Performance/Composition Tutorial 3

* Students may take MUIN 628 or MUIN 628D1 and MUIN 628D2.

18 credits from one of the following:

Jazz Performance:

MUPG 651	(9)	Performance/Composition Recital Project
MUPG 659	(9)	Performance in Recording Media

OR

Jazz Composition and Arranging

MUPG 652	(9)	Jazz Ensemble Recital Project
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MUPG 659 (9) Performance in Recording Media

OR

Jazz Orchestra:

MUPG 651 (9) Performance/Composition Recital Project

MUPG 652 (9) Jazz Ensemble Recital Project

Complementary Courses (15 credits)

15 credits from one of the following streams:

Jazz Performance Stream

MUJZ 640 (2) Jazz Composition and Arranging 1

MUJZ 641 (2) Jazz Composition and Arranging 2

MUPG 695 (3) Graduate Jazz Improvisation Seminar

3 credits of a seminar at the 600-level or higher, approved by the Department.

5 credits of ensembles, at the 500 level or above, with the prefix MUEN (4 credits must be in jazz related ensembles). MUPG 572D1/D2 Free Improvisation 2 (1 credit) can be substituted for 1 credit of jazz ensemble.

OR

Jazz Composition and Arranging Stream

MUJZ 640 (2) Jazz Composition and Arranging 1

MUJZ 641 (2) Jazz Composition and Arranging 2

6 credits of seminars at the 600-level or higher, approved by the Schulich School of Music.

5 credits of ensembles, at the 500 level or above, with the prefix MUEN (4 credits must be in jazz related ensembles). MUPG 572D1/D2 Free Improvisation 2 (1 credit) can be substituted for 1 credit of jazz ensemble.

OR

Jazz Orchestra Stream

4 credits from the following:

MUJZ 640 (2) Jazz Composition and Arranging 1

MUJZ 641 (2) Jazz Composition and Arranging 2

MUJZ 644 (2) Jazz Repertoire Project 1

MUJZ 645 (2) Jazz Repertoire Project 2

3 credits of a seminar at the 600 level or higher, approved by the Schulich School of Music.

8 credits of ensembles at the 500 level or above, with the prefix MUEN (4 credits must be in jazz related ensembles). MUPG 572D1/D2 can be substituted for 1 credit of jazz ensemble.

12.12.18 Master of Music (M.Mus.) Performance: Opera and Voice (Thesis) (45 credits)

The M.Mus. in Performance; Opera and Voice program blends performance training with humanities-based scholarship in a vibrant musical environment. The program provides opportunities to develop artistry in a variety of solo and operatic repertoires.

Students admitted to the M.Mus. in Performance; Opera and Voice program who have undergraduate degrees other than B.Mus.; Major in Performance Voice from McGill University, may be required to successfully complete one or more undergraduate courses before completion of the Master's degree.

Students with a B.Mus.; Major in Performance Voice degree from McGill University may be required to successfully complete MUPD 560 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 Introduction to Research Methods in Music before completion of the Master's program.

Required Courses (21 credits)

MUGS 605	(0)	Graduate Performance Colloquium
MUPG 575D1	(1.5)	Organ Repertoire and Performance Practice
MUPG 575D2	(1.5)	Organ Repertoire and Performance Practice

Thesis Courses

MUIN 620	(3)	Performance Tutorial 1
MUIN 621	(3)	Performance Tutorial 2
MUIN 622*	(3)	Performance Tutorial 3
MUIN 622D1*	(1.5)	Performance Tutorial 3
MUIN 622D2*	(1.5)	Performance Tutorial 3
MUPG 600	(9)	Recital Project 1

* Students can take MUIN 622 or MUIN 622D1 and MUIN 622D2.

Complementary Courses (24 credits)

9 credits from the following:

MUPG 601	(9)	Recital Project 2
MUPG 602	(6)	Recital Project 3
MUPG 603	(3)	Recital Project 4
MUPG 605	(3)	Recording Project
MUPG 606	(3)	Interdisciplinary Project 1
MUPG 607	(6)	Interdisciplinary Project 2
MUPG 676	(9)	Special Project in Church Music

3 credits from the following:

MUPP 690	(3)	Performance Practice Seminar 1
MUPP 691	(3)	Performance Practice Seminar 2

MUPP 692	(3)	Performance Practice Seminar 3
MUPP 693	(3)	Performance Practice Seminar 4
MUPP 694	(3)	Performance Practice Seminar 5
MUPP 695	(3)	Performance Practice Seminar 6

A 3-credit seminar at the 600 level or higher with the prefix MUCO, MUGS, MUGT, MUHL, MUMT, MUPP, or MUTH.

3 credits from the following:

MUHL 591D1	(1.5)	Paleography
MUHL 591D2	(1.5)	Paleography
MUTH 602	(3)	Keyboard Modal Counterpoint
MUTH 604	(3)	Keyboard Tonal Counterpoint

or a 3-credit seminar at the 600 level or higher, approved by the Schulich School of Music.

6 credits from the following:

MUEN 540	(.5)	Chamber Music Project 1
MUEN 541	(.5)	Chamber Music Project 2
MUEN 560*	(1)	Chamber Music Ensemble
MUEN 561*	(1)	2nd Chamber Music Ensemble
MUEN 569*	(1)	Tabla Ensemble
MUEN 573*	(2)	Baroque Orchestra
MUEN 580*	(1)	Early Music Ensemble
MUEN 593*	(2)	Choral Ensembles
MUEN 594*	(2)	Contemporary Music Ensemble
MUEN 597*	(2)	McGill Symphony Orchestra
MUHL 591D1**	(1.5)	Paleography
MUHL 591D2**	(1.5)	Paleography
MUPG 575D1*	(1.5)	Organ Repertoire and Performance Practice
MUPG 575D2*	(1.5)	Organ Repertoire and Performance Practice
MUTH 602**	(3)	Keyboard Modal Counterpoint
MUTH 604**	(3)	Keyboard Tonal Counterpoint

* May be taken more than once.

** If not taken as a seminar

12.12.121 Master of Music (M.Mus.) Performance: Piano (Thesis) (45 credits)

The M.Mus.; Performance Piano program blends performance training with humanities-based scholarship in a vibrant musical environment. The program provides opportunities for chamber music and a range of recital options including solo and chamber music performance, sound recording, and creative interdisciplinary projects.

Students admitted to the M.Mus.; in Performance; Piano program who have undergraduate degrees other than the B.Mus.; Major in Performance Piano from McGill University, may be required to successfully complete one or more undergraduate course(s) before completion of the Master's degree. Students with a B.Mus.; Major in Performance Piano degree from McGill University may be required to successfully complete MUPD 560 Introduction to Research Methods in Music before completion of the Master's program.

Required Courses (21 credits)

MUGS 605	(0)	Graduate Performance Colloquium
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MUPG 683	(1.5)	Piano Seminar 1
MUPG 684	(1.5)	Piano Seminar 2

Thesis Courses

MUIN 620	(3)	Performance Tutorial 1
MUIN 621	(3)	Performance Tutorial 2
MUIN 622*	(3)	Performance Tutorial 3
MUIN 622D1*	(1.5)	Performance Tutorial 3
MUIN 622D2	(1.5)	Performance Tutorial 3
MUPG 600	(9)	Recital Project 1

* Students may take MUIN 622 or MUIN 622D1 and MUIN 622D2

Complementary Courses

9 credits from the following:

MUPG 601	(9)	Recital Project 2
MUPG 602	(6)	Recital Project 3
MUPG 603	(3)	Recital Project 4
MUPG 604	(6)	Chamber Music Recital
MUPG 605	(3)	Recording Project
MUPG 606*	(3)	Interdisciplinary Project 1
MUPG 607*	(6)	Interdisciplinary Project 2

* Students may take either MUPG 606 or MUPG 607.

3 credits from the following:

MUPP 690	(3)	Performance Practice Seminar 1
MUPP 691	(3)	Performance Practice Seminar 2
MUPP 692	(3)	Performance Practice Seminar 3
MUPP 693	(3)	Performance Practice Seminar 4
MUPP 694	(3)	Performance Practice Seminar 5
MUPP 695	(3)	Performance Practice Seminar 6

A 3-credit seminar at the 600 level or higher with the prefix MUCO, MUGS, MUGT, MUHL, MUMT, MUPP or MUTH.

A 3-credit seminar at the 600 level or higher, approved by the Schulich School of Music.

6 credits from the following:

MUEN 540	(.5)	Chamber Music Project 1
MUEN 541	(.5)	Chamber Music Project 2
MUEN 560	(1)	Chamber Music Ensemble
MUEN 561	(1)	2nd Chamber Music Ensemble
MUEN 568	(1)	Multiple Ensemble 1
MUEN 569	(1)	Tabla Ensemble
MUEN 578	(1)	Song Interpretation 1

MUEN 579	(1)	Song Interpretation 2
MUEN 582	(1)	Piano Ensembles
MUEN 584	(1)	Studio Accompanying
MUEN 585	(1)	Sonata Masterclass
MUEN 588	(1)	Multiple Ensemble 2
MUEN 590	(2)	McGill Wind Orchestra
MUEN 594	(2)	Contemporary Music Ensemble
MUEN 597	(2)	McGill Symphony Orchestra
MUEN 688	(2)	Multiple Ensembles
MUPD 580*	(2)	Piano Pedagogy Practicum
MUPG 571*	(1)	Free Improvisation 1
MUPG 572D1*	(.5)	Free Improvisation 2
MUPG 572D2*	(.5)	Free Improvisation 2
MUPG 670*	(2)	Advanced Continuo 1
MUPG 670D1	(1)	Advanced Continuo 1
MUPG 670D2	(1)	Advanced Continuo 1
MUPG 671*	(2)	Advanced Continuo 2
MUPG 671D1	(1)	Advanced Continuo 2
MUPG 671D2	(1)	Advanced Continuo 2
MUPG 687*	(1)	Collaborative Piano Repertoire 1: Song
MUPG 688*	(1)	Collaborative Piano Repertoire 2: Instrumental
MUPG 689*	(1)	Collaborative Piano Rep.3: Orch. Reduction, Opera, Oratorio

* May be taken only once.

12.12.1.22 Doctor of Music (D.Mus.) Music: Composition

The D.Mus. in Music; Composition offers private instruction with some of Canada's most accomplished composers as well as studies in different compositional methods and technologies.

Students admitted to the D.Mus. in Music; Composition program who have a master's degree other than the M.Mus. in Music; Composition from McGill 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 Associate Dean of Graduate Studies in Music.

0-8 credits from (Voice Candidates only: Vocal Repertoire Coaching):

MUIN 700	(2)	Doctoral Repertoire Coaching 1
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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 examination required. Students whose mother tongue is French are exempt from the French Reading Exam.

Required Courses

MUGS 701	(0)	Comprehensive Examinations
MUGS 705	(0)	Colloquium

Complementary Courses (0-30 credits)

Students entering in Ph.D. 1

15 credits of seminars at the 600 level or higher, approved by the Department. For Music Theory students, 0-6 credits will be selected from the following if not taken previously or equivalent courses:

MUTH 658	(3)	History of Music Theory 1
MUTH 659	(3)	History of Music Theory 2

0-15 credits of additional seminars at the 600 or higher, will be assigned by the Associate Dean of Graduate Studies in Music in consultation with the area coordinator, or the admissions committee for students in Interdisciplinary Studies, at the time of the admissions.

Students entering in Ph.D. 2

0-15 credits of seminars at the 600 level or higher will be assigned by the Associate Dean of Graduate Studies in Music in consultation with the area coordinator, or the admissions committee for students in Interdisciplinary Studies, at the time of the admissions. The selection must be approved by the Schulich School of Music. For Music Theory students, 0-6 credits will be selected from the following if not taken previously or equivalent courses:

MUTH 658	(3)	History of Music Theory 1
MUTH 659	(3)	History of Music Theory 2

24 credits; Composition students entering in Ph.D. 2 only:

12 credits of seminars at the 600 level or higher

One semester of:

MUCO 710 (0) General Examinations

12 credits (two years) of:

MUCO 722D1 (3) Doctoral Composition Tutorial

MUCO 722D2 (3) Doctoral Composition Tutorial

Composition students only: Composition Performance

The candidate must present a concert of his/her compositions. With the permission of the Composition Area Committee, the compositions may be presented as parts of two or three concerts, or as a list of national and international performances since the student began his/her residency.

Composition students only:

MUCO 710 (0) General Examinations

Sound Recording students only:

MUSR 690 (3) Special Field Research

Music Theory students only:

MUTH 710 (0) Teaching Practicum

MUTH 711 (0) General Examinations

12.12.1.25 Doctor of Philosophy (Ph.D.) Music: Gender and Women's Studies

This program is open to doctoral students who are interested in cross-disciplinary research that focuses on issues centrally related to gender, sexuality, feminist theory, and/or women's studies. This program is offered in collaboration with the McGill Institute for Gender, Sexuality, and Feminist Studies that includes faculty and graduate students from across the University.

Students admitted to the PhD in Music who have a master's degree other than a master's degree in music from McGill University may be required to successfully complete one or more undergraduate course(s) before completion of the doctoral program.

Thesis

Details concerning the comprehensive examinations, thesis, and academic regulations are available from the Graduate Studies Coordinator, Schulich School of Music or from the Music Graduate website at: <http://www.mcgill.ca/music/programs>.

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

Language Reading Requirements

Musicology

No language requirement.

Music Theory

One foreign language required. Students whose mother tongue is French are exempt from the French Language Reading examination.

Required Courses (6 credits)

MUGS 701 (0) Comprehensive Examinations

MUGS 705 (0) Colloquium

WMST 601 (3) Feminist Theories and Methods

WMST 602 (3) Feminist Research Symposium

Complementary Courses (12-27 credits)

Students entering in Ph.D. 1

27 credits of seminars at the 600 level or higher, approved by the Department (3 of the 27 credits must be in gender/women's studies, taken in the Schulich School of Music or outside and approved by the Musicology or Theory area.

Students entering in Ph.D. 2

12 credits of seminars at the 600 level or higher, approved by the Schulich School of Music (3 of the 12 credits must be in gender/women's studies, taken in the Schulich School of Music or outside and approved by the Musicology or Theory area).

Music Theory students only:

MUTH 710	(0)	Teaching Practicum
MUTH 711	(0)	General Examinations

12.12.1.26 Graduate 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 following:

MUIN 638	(3)	Graduate Certificate Conducting Tutorial 2
MUPG 580*	(1.5)	Rehearsal Techniques for Conductors
MUPG 677	(3)	Seminar in Performance Topics 1
MUPG 678	(3)	Seminar in Performance Topics 2
MUPP 690	(3)	Performance Practice Seminar 1
MUPP 691	(3)	Performance Practice Seminar 2
MUPP 692	(3)	Performance Practice Seminar 3
MUPP 693	(3)	Performance Practice Seminar 4
MUPP 694	(3)	Performance Practice Seminar 5
MUPP 695	(3)	Performance Practice Seminar 6

* If this course is chosen, it must be taken for two terms (for 3 credits).

12.12.128 Graduate Diploma (Gr. Dip.) Performance (30 credits)

A one-year graduate performance diploma that allows excellent musicians to refine their technique and master repertoire through intensive coaching, practice, and performance projects. Designed as a polishing diploma, the program prepares musicians for professional careers as soloist, opera singers, collaborative pianists, chamber, jazz and orchestral musicians or for further graduate studies in performance. Flexible program requirements, with range of performance project options including solo, chamber, recording, orchestral auditions, and creative collaborations. Admission is by audition, with candidates having previously completed a B.Mus., a Licentiate, or M.Mus.

Required Courses (16 credits)

MUIN 634	(8)	Graduate Diploma Tutorial 1
MUIN 635	(8)	Graduate Diploma Tutorial 2

Complementary Courses (14 credits)

8 credits from the following:

MUPG 640	(4)	Graduate Diploma Performance Project 1
MUPG 641	(4)	Graduate Diploma Performance Project 2
MUPG 642	(8)	Graduate Diploma Performance Project 3
MUPG 643	(4)	Graduate Diploma Interdisciplinary Project
MUPG 644	(4)	Graduate Diploma Concerto Performance
MUPG 645	(4)	Graduate Diploma Recording Project

6 credits of Performance courses with Schulich School of Music approval from the following:

6 credits of any ensemble courses from the following list for these areas:

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 for these areas:

Voice

MUIN 610	(1)	Vocal Coaching 1
MUIN 611	(1)	Vocal Coaching 2

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 continue in the Artist Diploma in year two. All diploma applicants are required to pass an audition. Applicants can attend a live audition or submit recorded material. Voice applicants who apply for the live audition option will be required to submit screening material for pre-selection. Following a review of these materials, selected applicants will be invited to attend a live audition; see mcgill.ca/music/admissions/graduate/diploma. Specific admission and document requirements for each program are outlined at mcgill.ca/music/admissions/graduate.

D.Mus. Degree

Applicants for the D.Mus. degree in Composition must hold an M.Mus. degree in Composition, or its equivalent, and must submit scores and/or recordings of their compositions at the time of application.

Applicants for the D.Mus. degree in Performance Studies must hold an M.Mus. degree in Performance, or its equivalent, and are required to submit screening material, samples of written work, and a statement of proposed artistic research interests by the specified application deadlines. Following a review of these materials, selected applicants will be invited to attend a live audition.

Ph.D. Degree

Applicants for the Ph.D. degree in Composition must hold an M.Mus. in Composition or equivalent and must submit scores and/or recordings of their compositions at the time of application, and a written description (no more than two pages) of the research path(s) they wish to follow.

Applicants for the Ph.D. degree in Music Education, Music Technology, Musicology, Sound Recording, Music – Gender and Women's Studies, or Theory must hold a master's or a bachelor's degree equivalent to a McGill degree in Music Technology, Music Education, Musicology, Theory, or Sound Recording. Applicants with a bachelor's degree will normally be admitted to the M.A. program for the first year and may apply for admittance to the Ph.D. program after the completion of one full year of graduate coursework. Qualified applicants who have already completed an appropriate master's degree will be admitted to the second year of the Ph.D. program.

English Language Proficiency

For graduate applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized Canadian or American (English or French) institution or from a recognized foreign institution where English is the language of instruction, documented proof of English proficiency is required prior to admission. For a list of acceptable test scores and minimum requirements, visit <https://mcgill.ca/gradapplicants/international/proficiency>

12121292 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 also consult mcgill.ca/music/admissions/graduate for detailed application procedures and document requirements.

121212921 Additional Requirements

The items and clarifications below are additional requirements set by this department:

- \$75.42 audition fee for Performance degrees and diplomas.

12121293 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Schulich School of Music and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program.

		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	

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

12.12.1.30 Schulich School of Music Faculty

Dean, Schulich School of Music

TBA

Associate Dean, Graduate Studies

Lisa Barg

Chairs

TBA – Department of Performance

Gary Scavone – Department of Music Research

Associate Dean (Research and Administration)

TBA

Associate Dean (Academic and Student Affairs)

Andrea Creech

Professors

David Brackett; William Caplin; Brian Cherney; Creech, Andrea; Julie Cumming; Kevin Dean; Ichiro Fujinaga; Kyoko Hashimoto; John Hollenbeck; Steven Huebner; Stéphane Lemelin; Stephen McAdams; Brenda Ravenscroft; Gary Scavone; Peter Schubert; Marcelo Wanderley; Marcelo Wanderley; Lloyd Whitesell; Wieslaw Woszczyk.

Associate Professors

Simon Aldrich; Stefano Algieri; Lisa Barg; Theodore Baskin; Nicole Biamonte; Rémi Bolduc; Denys Bouliane; Guillaume Bourgogne; Carolyn Christie; Ira Coleman; Isabelle Cossette; Martha de Francisco; Philippe Depalle; Alain Desgagné; Sean Ferguson; Matt Haimovitz; Patrick Hansen; Stephen Hargreaves; Chris Paul Harman; Alexis Hauser; Melissa Hui; Richard King; Edward Klorman; Hank Knox; Roe-Min Kok; Dominique Labelle; Sara Laimon; Jacqueline Leclair; Philippe Leroux; Jean Lesage; Lisa Lorenzino; Brian Manker; Fabrice Marandola; George Massenburg; Michael McMahon; Marina Mdivani; Violaine Melançon; Christoph Neidhöfer; Jean-Michel Pilc; Ilya Poletaev; Annamaria Popescu; André Roy; Richard Stoelzel; Axel Strauss; Joe Sullivan; Jean-Sébastien Vallée; Andrew Wan; André White; Jonathan Wild; Ali Yazdanfar.

Assistant Professors

Dorian Bandy; James Box; Jinjoo Cho; Russell DeVuyst; Elizabeth Dolin; Jean Gaudreault; Darrell Green; Joanne Kolomyjec; Stéphane Lévesque; John Mac Master; Richard Roberts; Jennifer Swartz; Camille Thurman; Matthew Treviño.

Adjunct Professors

Durand Begault; Tom Beghin; Jonas Braasch; Rachele Chiasson-Taylor; Steven Epstein; Jean PichéAxel Mulder; Marc-Pierre Verge; Jérémie Voix.

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 make sure that you have the best possible experience.

Josephine Nalbantoglu, Ph.D.

Associate Provost (Graduate Education) and Dean, Graduate and Postdoctoral Studies

13.2 Graduate and Postdoctoral Studies

13.2.1 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)

13.2.2 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.

13.2.3 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.

13.3 Important Dates

For all dates relating to the academic year, consult mcgill.ca/importantdates.

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), as well as mechanisms for addressing complaints. For their part, postdocs are responsible for informing themselves of such policies, procedures, and privileges.

1. Definition and Status

- i. Postdoctoral status will be recognized by the University in accordance with Quebec provincial regulations as may be modified from time to time. The eligibility period for postdoctoral status is up to five years from the date when the Ph.D. or equivalent degree was awarded. A [section 1.2.8: leave of absence](#) for parental or health reasons may extend the eligibility period. Leaves for other reasons, including vacation, do not impact the eligibility period.

ii. Some McGill postdocs have dual status as both students and employees (unionized or non-unionized). Consult the [Graduate and Postdoctoral Studies website](#) for definitions of Postdoctoral Fellows, Postdoctoral Scholars and Postdoctoral Researchers.

iii. Postdocs must conduct research under the supervision of a McGill professor (including Adjunct Professors), qualified in the discipline in which training is being provided and with the ability to fulfil supervisory responsibilities and act as a mentor for career development. Postdocs are expected to engage primarily in research with minimal teaching or other responsibilities.

2. Registration

i. Postdocs must [register](#) annually with the University through Enrolment Services. Registration will be limited to postdocs who fulfil the definition above, and who meet the eligibility criteria as stipulated on the [Graduate and Postdoctoral Studies website](#).

ii. Upon registration, postdocs will be eligible for a University identity card issued by Enrolment Services.

iii. Leaves of absence must comply with the Graduate and Postdoctoral Studies Policies for Vacation, Parental/Familial, and Health Leave (see [section 2.8.3: Vacation Policy for Graduate Students and Postdocs](#) and [University Regulations & Resources](#) > Graduate > Regulations > Categories of Students > [section 1.2.8: Leave of Absence Status](#)).

3. Appointment, Funding, Letter of Agreement

i. Postdoctoral appointments may not exceed the registration eligibility period as defined above.

ii. In order to be registered, the postdoc must be assured of financial support other than from personal means during their stay at McGill University. This amount must be equivalent to the minimal stipend requirement set by the University in accordance with guidelines issued by federal and provincial research granting agencies or the collective agreement, as applicable. Funding during parental leave is subject to the conditions of the funding agency or the collective agreement, as applicable.

iii. Postdocs require a [Letter of Agreement for Postdoctoral Education](#) signed by the postdoc, the supervisor, and the department/unit head or delegate.

iv. Postdocs with full responsibility for teaching a course should be compensated over and above their postdoctoral funding as course lecturers. This applies to all postdocs, except those for whom teaching is part of the award.

v. The amount of research, teaching, or other tasks that postdocs engage in over and above postdoctoral activities should conform to the regulations for postdocs specified by the Canadian research council of their discipline or the collective agreement. This applies to all postdocs, including those whose funding does not come from the Canadian research councils.

4. Privileges

i. Postdocs have the same pertinent rights as the ones granted to McGill students under [mcgill.ca/students/srr](#), and those granted by the policies listed at [mcgill.ca/secretariat/policies-and-regulations](#).

ii. Postdocs have full graduate student borrowing privileges in McGill libraries through their identity card.

iii. As a general rule, postdocs may take courses for credit as Special Students following the admissions procedures outlined at [mcgill.ca/gradapplicants/apply/prepare/visiting](#). [Tuition and other charges](#) will apply.

iv. Postdocs may be listed in the McGill directory.

v. Access to sports facilities may be purchased on a monthly basis through McGill Athletics and Recreation.

vi. Postdoctoral Fellows and Scholars are mandatory members of the Post-Graduate Students' Society (PGSS) and an annual association fee is automatically charged.

vii. Postdocs are permitted membership in the Faculty Club; an annual fee will be charged for this membership.

viii. Postdocs are encouraged to participate in Professional Development Workshops provided by Graduate and Postdoctoral Studies, and Teaching and Learning services. These sessions are usually free of charge.

ix. Postdocs have 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.

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) 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

13.9 Graduate Studies Guidelines and Policies

Refer to [University Regulations & Resources](#) > *Graduate* > [section 1.2: Guidelines and Policies](#) for information on the following:

- Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision
- Policy on Graduate Student Research Progress Tracking
- Ph.D. Comprehensives Policy
- Graduate Studies Reread Policy
- Failure Policy
- Guideline on Hours of Work

13.10 Graduate Student Services and Information

Graduate students are encouraged to refer to [section 1.7: Student Services and Information](#) for information on the following topics:

- Service Point
- Student Rights & 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

13.11 Information on Research Policies and Guidelines, Patents, Postdocs, Associates, Trainees

Refer to [University Regulations & Resources](#) > *Graduate* > [section 1.6: Research Policy and Guidelines](#) for information on the following:

- Regulations on Research Policy
- Regulations Concerning the Investigation of Research Misconduct
- Requirements for Research Involving Human Participants
- Policy on the Study and Care of Animals
- Policy on Intellectual Property
- Regulations Governing Conflicts of Interest
- Safety in Field Work
- Office of Sponsored Research
- Postdocs
- Research Associates

13.12 Browse Academic Units & Programs

The programs and courses in the following sections have been approved for the 2022–2023 session as listed.

13.12.1 Nursing

13.12.1.1 Location

Ingram School of Nursing
 680 Sherbrooke West, Suite 1800
 Montreal QC H3A 2M7 Canada
 Telephone: 514-398-4151
 Fax: 514-398-8455
 Website: mcgill.ca/nursing

13.12.1.2 About Nursing

The Ingram School of Nursing is a professional school within the Faculty of Medicine and Health Sciences that has been educating nurses since 1920. On September 10, 2012 the School was formally renamed the Ingram School of Nursing in recognition of Richard and Satoko Ingram and their exceptional support for Nursing at McGill. The School is internationally recognized for its distinctive vision, leadership in nursing, and the quality of its programs. McGill nursing graduates have earned a reputation as outstanding clinicians, educators, researchers, and leaders in their discipline.

Recently, the Ingram School of Nursing adopted Strengths-Based Nursing (SBN) as its foundation for practice, education, and research. SBN is a culmination of an approach to nursing that has been an integral part of the McGill School of Nursing since its founding in 1920, evolving from the McGill Model of Nursing. SBN is both a philosophy- as well as a value-driven approach that has as its foundational pillars in person/family-centered care, empowerment, relational care, and innate and acquired healing.

At the graduate level, the Ingram School of Nursing offers tailored programs in advanced nursing practice that prepare our students to be leaders in their field. The learning experience at the School is geared to foster individual judgment, creativity, and initiative. Led by nationally recognized researchers and clinicians, students will participate in cutting-edge programs of research and knowledge translation projects related to nursing practice and administration. McGill's Ingram School of Nursing is for you if you want to contribute to the knowledge base of advanced nursing practice and want to be involved actively in changing how healthcare is delivered locally, nationally, and internationally.

The School and its laboratories are situated at 680 Sherbrooke Street West and occupy the 18th, 19th, and 20th floors of that building. The state-of-the-art Satoko Shibata Clinical Nursing Laboratories are designed to offer students a wealth of hands-on experience. The School also accommodates student lounges, faculty and staff offices, mid- and small-sized classrooms, and meeting rooms. Students registered in the School also take courses in other faculties within the University. Selected experience in nursing is provided in the McGill University Health Centre, other McGill-affiliated hospitals, and in a wide variety of health agencies in Montreal.

For information on undergraduate programs, please consult the Ingram School of Nursing's [Undergraduate](#) section.

M.Sc.A. Program and Concentrations

The Master's (Applied) is offered in three majors and a number of formal concentrations, which are listed in the table below.

Graduate Certificates and Diplomas

Nurse applicants with a Master of Science degree in Nursing and with the required clinical experience are prepared to assume the nurse practitioner (NP) role through our Graduate Certificate and Graduate Diploma programs in five NP specialties (Adult Care, Neonatology, Mental Health, Primary Care and Pediatrics). The Graduate Certificate and Graduate Diploma programs develop in these students the necessary knowledge and skills to prepare for the Quebec Order of Nurses (OIIQ) (*Ordre des infirmières et infirmiers du Québec*) nurse practitioner professional licensing exam.

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 13.12.1.7: Master of Science, Applied (M.Sc.A.) Advanced Nursing (Non-Thesis): Nursing Services Administration (49 credits)

This concentration focuses on students capacity to assess the factors that affect and determine the nursing workforce including making strategic and effective decisions, and influencing policy with regard to the planning and management of the nursing workforce.

section 13.12.1.8: Master of Science, Applied (M.Sc.A.) Nursing (Non-Thesis) (58 credits)

This concentration, established in 1974, remains the only one of its kind in Canada. This three-year program is tailored to the university graduate with a general degree and no previous preparation in nursing or other health care professions. Candidates complete entry-to-practice preparation in nursing while also completing graduate-level studies in nursing. Students must first successfully complete a 10-month, 41-credit Qualifying year (QY) of study before applying to the M.Sc.A. in Nursing; By the end of M.Sc.A. Year I, students are eligible to practice as nursing externs during the summer break, in accordance with the regulations of the Ordre des infirmières et infirmiers du Québec (OIIQ) (i.e., the Quebec Order of Nurses – the provincial licensing board). Upon completion of M.Sc.A. Year II, graduates are eligible to write the OIIQ exams.

section 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 M.Sc.A. Nursing concentration that wish to complete Global Health Studies should apply to the M.Sc.A. Nursing: Global Health concentration.

section 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.

section 13.12.1.11: Master of Science, Applied (M.Sc.A.) Nurse Practitioner (Non-Thesis): Mental Health (45 credits)

This concentration is intended to train graduate-level nurses to take on an advanced practice role. Mental Health Nurse Practitioners assume responsibility for tasks related to physical assessment, clinical impressions, and treatment within legally sanctioned, pre-determined conditions, that have traditionally been exclusive to medical practice.

section 13.12.1.12: Master of Science, Applied (M.Sc.A.) Nurse Practitioner (Non-Thesis): Neonatology (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

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**

Since the language of instruction at McGill University is English, some applicants may need to provide proof of English language proficiency. Please visit the [Future Graduate Students website](#) to see if this applies to you. Applicants must write term papers, examinations, and theses in English or in French.

Before being considered for admission, appropriate exam results must be submitted directly from the [TOEFL](#) (Test of English as a Foreign Language) or [IELTS](#) (International English Language Testing Systems) office using McGill's Institutional code: 0935.

- TOEFL: a minimum score of 100 on the Internet-based test (iBT) with each component score no less than 20
- IELTS: a minimum overall score of 7.5

An institutional version of the TOEFL is not acceptable. Applications will not be considered if TOEFL or IELTS test results are not available.

For more information about the Language Policy at McGill University, please refer to [University Regulations & Resources > Graduate > Regulations > section 1.2.7: Language Policy](#).

[GRE](#) (Graduate Record Examination) general test results may be required in individual circumstances.

Students who have not completed their studies in North America may be asked to arrange for an interview as part of the application process.

CASPer Assessment**Applicants to the Qualifying Year, Master's Advanced Nursing, Masters Nurse Practitioner**

All applicants to the Qualifying Year and Masters of Science (Applied) programs and each of its concentrations at McGill University will be required to complete a mandatory online 90-minute computer-based assessment called CASPer™, as a component of the selection process. CASPer™, the computer-based assessment for sampling personal characteristics is a web-based situational judgement test designed to evaluate key personal and professional characteristics essential for students to be successful in nursing school and ultimately, as practicing nurses. Some of these characteristics include professionalism, empathy, compassion and cultural sensitivity. Since CASPer™ assesses no-cognitive and interpersonal characteristics, studying is not required.

For more information please review mcgill.ca/nursing/apply.

General Admission Requirements and Information

Nurse applicants to the master's program may complete their studies on a part-time basis (with the exception of 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.

All Nurse Practitioner concentrations deliver some courses in French, making proficiency in French a requirement for these programs as well.

Graduate Diploma 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.

Ph.D. Program

Applicants admitted to the doctoral program through McGill University must have completed master's-level studies with either their undergraduate or graduate degree in nursing comparable to McGill. Applicants must have a CGPA minimum of 3.3 on a scale of 4.0 or a B+ standing.

The School considers admissions to the doctoral program for the Fall and Winter terms.

13.12.1.3.2 Registration and Regulations

Official registration through Minerva must be completed by **August 14**. Students registering late for reasons unrelated to the admission procedure are subject to the late payment fee.

Newly admitted students will receive information from the Graduate Nursing Student Affairs Office regarding any orientation sessions being scheduled for the fall. Students should contact their *academic advisor* for approval of complementary courses before the add/drop deadline.

For the list of advisors by concentration, refer to the *Graduate Program Student and Faculty Handbook*.

All students (new admits and returning students) are responsible for ensuring that registration is completed according to the University timetable deadlines.

Course Requirements

Students are provided with the course objectives, requirements, and methods of evaluation at the beginning of each course. Students will not be permitted to write an examination in any course unless they have fulfilled the requirements, including attendance.

Clinical Requirements

Please visit mcgill.ca/nursing/students/student-portal/clinical for further details. A table of these requirements and respective deadline dates is outlined on this page. The log in to the student portal to the site where you can upload your documents is also on this page.

University Success Workshop Series

Any student who is experiencing difficulty in meeting program requirements is encouraged to seek help and take advantage of academic services that McGill offers. Information is available at mcgill.ca/firstyear/graduate-postdoctoral/resources-success. Further information on services available to students is available at *University Regulations & Resources* > *Graduate* > *Student Services and Information* > *section 1.7.3: Student Services – Downtown Campus*.

Regulations Concerning Clinical Placement Courses

- Clinical courses must be taken sequentially as identified in the course of study for your concentration.
- Students must be registered with the OIIQ before they can have access to clinical placements. Students who have not completed the registration procedure cannot commence clinical studies.
- Students must have met the vaccination/immunization requirements prior to commencing clinical studies in September.
- Students are required to purchase equipment such as a stethoscope and physical-assessment equipment. Information is provided at registration or within specific courses.
- Students are expected to demonstrate professional behaviour at all times. The Code of Ethics for Nurses and the McGill University Code of Student Conduct (as outlined in the mcgill.ca/students/srr/academicrights and mcgill.ca/secretariat/policies-and-regulations) provide guidelines. Professional behaviour is expected in relation to classmates, teachers, patients, the interprofessional team, and the institutions within which studies take place.
- In any formal documentation, students must identify themselves as a McGill Nursing Student with the respective year of study noted.
- Name badges must be worn at all times in clinical studies. These are ordered in the Fall semester of the first year of studies and the cost is charged directly to the student's fee account. Name badges are ordered through the Ingram School of Nursing and students will be required to purchase two sets of name badges in early Fall prior to starting clinical placement. Students must comply with the uniform policy during clinical placements.
- Students must have a photo I.D. taken at the MUHC for their clinical placements there.
- Attendance in clinical courses is mandatory and absences must be discussed with the instructor. Students with repeat absences may be asked to defer clinical studies if progress in the clinical course is compromised.
- Students whose performance in clinical studies does not meet the course objectives will be informed in writing and a learning plan will be developed. Students whose performance is below expectations or who are unsafe in clinical studies may be required to withdraw from the course at any time.
- Students whose academic performance is below expectation or considered to be incompetent or unsafe in clinical studies can be required to withdraw from the course at any time—in such cases the student will receive a grade of WF or F.
- While an effort is made to place students within reasonable travelling distance for clinical studies, each student must budget a sum of money to travel to and from a patient home and clinical institutions.
- Special requests for specific location or hours of clinical study cannot be accommodated.

- Students who are seropositive for Hepatitis B, C, or HIV and/or any other blood-borne pathogens have an obligation to notify their Program Director. These students are referred to the Blood-Borne Infection Risk Assessment Unit (*Service d'évaluation des risques de transmission d'infection 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	
	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. 1	Feb. 1	Feb. 1
• Qualifying for the M.Sc.A. Nursing				
Fall Term:	Sept. 15	N/A	Feb. 1	Feb. 1
• M.Sc.A. Nursing (pending completion of the Qualifying Year)				
• M.Sc.A. Advanced Nursing				
• M.Sc.A. Nurse Practitioner - Neonatal, Pediatric, Primary Care				
• M.Sc.A. Nurse Practitioner, and Graduate Diploma - Adult Care, Mental Health				
Fall Term:	Sept. 15	Jan. 1	Feb. 1	Feb. 1
• Ph.D. Nursing				
Winter Term:	Feb. 15	N/A	Sept. 30	Sept. 30

	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 				
Summer Term:	May 15	N/A	Feb. 15	Feb. 15
<ul style="list-style-type: none"> Graduate Diploma - Neonatal, Pediatric, Primary Care (pending completion of M.Sc.A. Nurse Practitioner or Graduate Certificate in the Nurse Practitioner specialty) Graduate Certificate in Neonatology 				

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

13.12.1.4 Nursing Faculty

Vice-Principal (Health Affairs) and Dean of the Faculty of Medicine and Health Sciences

David H. Eidelman

Associate Dean (Medicine) and Director, Ingram School of Nursing

Anita Gagnon

Associate Director, Ingram School of Nursing – Education

Josée Bonneau

Associate Director, Ingram School of Nursing – Research

Carmen G. Loiselle

B.N. (Integrated) - Online Modality and Continuing Nursing Initiatives Program Director, Ingram School of Nursing

Annie Chevrier

B.N. (Integrated) - Campus Modality Program Director, Ingram School of Nursing

Mélanie Gauthier

B.N. (Integrated) Assistant Program Director, Ingram School of Nursing

Oxana Kapoustina

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

Professors

Franco Carnevale; Anita J. Gagnon; Laurie N. Gottlieb; Carmen G. Loiselle.

Associate Professors

Antonia Arnaert; Madeleine M. Buck; Susan Drouin; Céline Gélinas; Kelley Kilpatrick; Sylvie Lambert; Christine Maheu; Margaret Purden; Sonia Semenic; Argerie Tsimicalis.

Assistant Professors

Rosetta Antonacci; Josée Bonneau; Annie Chevrier; Françoise Filion; Heather D. Hart; Caroline Marchionni; Marjorie Montreuil; Norma Ponzoni; Lia Sanzone; Irene Sarasua; Jodi Tuck; Andraea Van Hulst.

Faculty Lecturers

Cheryl Armistead; Amanda Cervantes; Stephanie Charbonneau; Diana Gausden; Melanie Gauthier; Marie-Claude Goyer; Oxana Kapoustina; Philippe Lamer; Giuseppina LaRiccica; Catherine Leblanc; Katherine Logue; Linda Massé; Shannon McNamara; Catherine-Anne Miller; Martyna Rembisz.

Academic Associates

Hugo Marchand; Elizabeth Marie Claire Murphy-Lavallée; Louise Murray; Amélie Samson; Rosanna Zappavigna.

13.12.14.1 Clinical and Affiliated Faculty Members**Professor**

Susan E. French

Associate Professors

Lynne McVey, Janet Rennick, Edith Zorychta

Assistant Professors

Alain Biron, Madeleine Boulay-Bolduc, Mark Daly, Linda Edgar, Jessica Emed, Lucia Fabijan, Valerie Frunchak, Mary Grossman, Andrea Laizner, Ariella Lang, Virginia Lee, Diane E. Lowden, Ann Lynch, Anita Mehta, Michelle Nadon, Patricia O'Connor, Hélène Racine, Marie-Claire Richer, Christina Rosmus, Andraea Saucier, Charles Sounan

Faculty Lecturers

Deborah Abner, Nathalie Aubin, Sophie Baillargeon, Denise Bédard, Jacqueline Bocking, Johanne Boileau, Linda P. Boisvert, Diane Borisov, Rose Boyle, Sandra Bradford-Macalanda, Diane Brault, Sharon Brissette, Carolyn Brown, Susan Marie Buddo, Sonia Castiglione, Sophie Charland, Luisa Ciofani, Christina Clausen, Martine Claveau, Erin Lillian Cook, Hermes Cornejo, Joann Creager, Esther Dajczman, Julie Dallaire, Rose Deangelis, Rosalie Dion, Nancy Drummond, Julie Fréchette, Maryse Godin, Iris Gourdji, Cynthia Graham-Certosini, Maria Hamakiotis, Norine M. Heywood, Tara Jesion, Rosalie Johnson, John Kayser, Mina Ladores, Philippe Lamer, Anne Marie Lanctôt, Karine Lepage, Rachel Lomas, Luisa Luciani Castiglia, Althea Hazel McBean, Sharon Mooney, Louise Murray, Catherine Oliver, France Paquet, Maxime Paquet, Joanne Marie Power, Andréanne Robitaille, Nathalie Rodrigue, Ramona Rodrigues, Patricia Ann Rose, Irene Sarasua, Maryse Savoie, Eleanor Scharf, Melanie Sheridan, Jessica Sherman, Marie Jennifer Somera, Rosa Sourial, Isabelle St-Sauveur, Janice Karen Stephenson, Lucie 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

Joyce Marie Arsenaault, Theresa Broda, Patrick Casey, Stephanie Charron, Nadia Andrée Doiron, Meggie Guinan, Tiffany Johnston, Donna Kindrat, Caroline Martel, Colette Mascle, Trisha Andrea Nonog, Caroline Normand, Emily Chang Orlov, Royal Orr, Brigitte Perrier, Lisa Marie Pichocvich, Grzegorz Sobieraj, Chantal Souigny, Karinne Troini, Chantale Viens, Barbara Ann Taugher, Teresa Testa

13.12.1.4.2 McGill Teaching Hospital Network

List of Current Partnerships by governing organisation:

McGill University Health Centre (MUHC)

muhc.ca/

CIUSSS de l'Ouest-de-l'île-de-Montréal

ciuss-ouestmtl.gouv.qc.ca/accueil/

CIUSSS du Centre-Ouest-de-l'île-de-Montréal

www.ciusscentreouest.ca/index.php?id=3380

Other Teaching Centres

Other teaching centres outside of the McGill University Health Network receive ISON students during the course of their studies. These range from public to private healthcare partners in and around the island of Montréal, and within most of the 18 Québec Health Regions (Régions sociosanitaires du Québec). A list of Quebec Health Regions including Indigenous partnerships are available on the Ministère de la Santé et des Services sociaux (MSSS) webpage: www.msss.gouv.qc.ca/en/reseau/regions-sociosanitaires-du-quebec/

Indigenous Partnerships and Community Nursing Clinic Network

The ISON has strong partnerships with diverse rural and urban Indigenous communities, and is unique in its organization and management of a network of nursing clinics tending to Indigenous and other underserved communities. The ISON currently has six nursing clinics who provide service to underserved populations. Our partners include: - Accueil Bonneau - Old Brewery Mission - Native Friendship Center of Montreal - Native Women Shelter of Montreal - Chez Doris - The Open Door. Since 2018, ISON students partner with Indigenous communities across the province, providing care during their community clinical practicum. In addition, as part of an initiative called Ashukin, students develop primary prevention projects tailored to the community's needs.

International Sites

The ISON has cultivated international relationships in various countries to support its Undergraduate, Graduate and Global Health programs. These include (but are not limited to) health care organizations in Africa, Asia, Australia, North America and South America.

International Sites

A range of international placement sites is collated by the Clinical Placement Coordinators.

Directors of Nursing Research in Teaching Hospitals

MUHC: Chantal Souigny

Directors of Nursing Research in Teaching Hospitals*Jewish General Hospital: Margaret Purden***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.

Required Courses (39 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 630	(3)	Clinical Project 1
NUR2 631	(6)	Clinical Project 2
NUR2 632	(3)	Clinical Project 3
NUR2 640	(3)	Clinical Reasoning
NUR2 642	(3)	Ethics in Advanced Practice

Complementary Courses (9 credits)

Any 500-level course or higher in consultation with the Adviser for this concentration.

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. This concentration is supported by the Global Health Committee of the Ingram School of Nursing.

Required Courses (45 credits)

NUR2 515	(3)	Applied Statistics for Nursing
NUR2 516	(3)	Perspectives on Global Health
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 630	(3)	Clinical Project 1
NUR2 631	(6)	Clinical Project 2
NUR2 632	(3)	Clinical Project 3
NUR2 636	(3)	Global Health Nursing Clinical

NUR2 640	(3)	Clinical Reasoning
NUR2 642	(3)	Ethics in Advanced Practice

Complementary Course (3 credits)

Any 500 level course or higher in consultation with the Adviser for this concentration.

13.12.1.7 Master of Science, Applied (M.Sc.A.) Advanced Nursing (Non-Thesis): Nursing Services Administration (49 credits)

** New Program. This program replaces the (M.Sc.A.) Nursing (Non-Thesis): Nursing Services Administration. **

This concentration focuses on students capacity to assess the factors that affect and determine the nursing workforce including making strategic and effective decisions, and influencing policy with regard to the planning and management of the nursing workforce.

Required Courses (36 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 630	(3)	Clinical Project 1
NUR2 631	(6)	Clinical Project 2
NUR2 632	(3)	Clinical Project 3
NUR2 642	(3)	Ethics in Advanced Practice

Complementary Courses (13 credits)

(0-7 Credits)

NUR2 629	(4)	Nursing Administration Stage
NUR2 720	(3)	Nursing Workforce Determinants

(6-13 Credits)

Any 500-level course or higher, including relevant School of Continuing Studies courses in the area of administration, in consultation with the Adviser for this concentration.

13.12.1.8 Master of Science, Applied (M.Sc.A.) Nursing (Non-Thesis) (58 credits)

The M.Sc. (Applied) in Nursing; Non-Thesis, established in 1974, remains the only one of its kind in Canada. This three-year program is tailored to the university graduate with a general degree and no previous preparation in nursing or other health care professions. Candidates complete entry-to-practice preparation in nursing while also completing graduate-level studies in nursing. Students must first successfully complete a Qualifying Year (QY) of study before applying to the M.Sc.(A.) in Nursing; Non-Thesis. By the end of M.Sc.(A.) Year 1, students are eligible to practice as nursing externs during the summer break, in accordance with the regulations of the Ordre des infirmières et infirmiers du Québec (OIIQ) (i.e., the Quebec Order of Nurses - the provincial licensing board). Upon completion of M.Sc.(A.) Year 2, graduates are eligible to write the OIIQ exams.

Required Courses (61 credits)

IPEA 502	(0)	Patient-Centred Care in Action
IPEA 503	(0)	Managing Interprofessional Conflict
NUR2 515	(3)	Applied Statistics for Nursing
NUR2 516	(3)	Perspectives on Global Health
NUR2 607	(3)	Children's Nursing
NUR2 609	(3)	Nursing Care of Children and their Families

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 that wish to complete Global Health Studies should apply to the Global Health Direct Entry concentration.

Required Courses (45 credits)

IPEA 503	(0)	Managing Interprofessional Conflict
NUR2 515	(3)	Applied Statistics for Nursing
NUR2 516	(3)	Perspectives on Global Health
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 630	(3)	Clinical Project 1
NUR2 631	(6)	Clinical Project 2
NUR2 632	(3)	Clinical Project 3
NUR2 636	(3)	Global Health Nursing Clinical
NUR2 640	(3)	Clinical Reasoning
NUR2 642	(3)	Ethics in Advanced Practice

Complementary Course (3 credits)

Any 500 level course or higher in consultation with the Adviser for this concentration.

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
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 648	(6)	Advanced Adult Health Assessment
NUR2 657	(13)	Adult Care Internship 1
NUR2 689	(2)	Clinical Seminar

13.12.1.11 Master of Science, Applied (M.Sc.A.) Nurse Practitioner (Non-Thesis): Mental Health (45 credits)

** New Program. This program replaces the M.Sc.A. Nursing (Non-Thesis) : Mental Health Nurse Practitioner. **

The M.Sc.(A.) in Nurse Practitioner; Non-Thesis – Mental Health, in combination with the Graduate Diploma in Mental Health Nurse Practitioner, focuses on assessment, diagnosis, care and treatment of mental illness in primary, secondary and tertiary care settings.

Required Courses (45 credits)

NUR2 515	(3)	Applied Statistics for Nursing
NUR2 608	(3)	Seminar in Nursing
NUR2 611	(3)	Policy Leadership in Nursing
NUR2 612	(3)	Research Methods in Nursing 1
NUR2 617	(3)	Clinical in Family Systems Nursing 1
NUR2 618	(3)	Clinical in Family Systems Nursing 2
NUR2 626	(3)	Professional Issues in Nursing
NUR2 642	(3)	Ethics in Advanced Practice
NUR2 647	(3)	Pharmacology for Mental Health Nurse Practitioners
NUR2 655	(12)	Mental Health Internship 1
NUR2 690	(3)	Reasoning in Mental Health 1
NUR2 694	(4)	Reasoning in Mental Health 5

13.12.1.12 Master of Science, Applied (M.Sc.A.) Nurse Practitioner (Non-Thesis): Neonatology (45 credits)

** New Program. This program replaces the (M.Sc.A.) Nursing (Non-Thesis): Neonatology Nurse Practitioner. **

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.

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 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 611	(3)	Policy Leadership in Nursing
NUR2 612	(3)	Research Methods in Nursing 1
NUR2 613	(4)	Reasoning in Primary Care Practice 1
NUR2 614	(3)	Reasoning in Primary Care Practice 2
NUR2 617	(3)	Clinical in Family Systems Nursing 1
NUR2 618	(3)	Clinical in Family Systems Nursing 2
NUR2 639	(8)	Reasoning in Primary Care Practice 3
NUR2 641	(6)	Reasoning in Primary Care Practice 4
NUR2 642	(3)	Ethics in Advanced Practice
NUR2 667	(3)	Health and Physical Assessment in Primary Care 1
NUR2 668	(3)	Health and Physical Assessment in Primary Care 2

13.12.1.15 Graduate Certificate (Gr. Cert.) Adult Care Nurse Practitioner (21 credits)

The Graduate Certificate in Nurse Practitioner - Adult Care is taken concurrently with the Graduate Diploma in Nurse Practitioner - Adult Care by students entering the program with a Master's of Nursing. This course of study is designed to prepare students to assume the full scope of Adult Care Nurse Practitioner practice. Adult Care Nurse practitioners provide advanced practice, including advanced-practice nursing care to the adult population with complex acute, chronic or critical health issues, requiring secondary and tertiary line of care. The program is built on a foundation of Strengths-Based Nursing care of individuals, families and communities.

Required Courses (21 credits)

NUR2 648	(6)	Advanced Adult Health Assessment
NUR2 657	(13)	Adult Care Internship 1
NUR2 689	(2)	Clinical Seminar

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.

Required Courses (21 credits)

NUR2 647	(3)	Pharmacology for Mental Health Nurse Practitioners
NUR2 655	(12)	Mental Health Internship 1
NUR2 690	(3)	Reasoning in Mental Health 1
NUR2 694	(4)	Reasoning in Mental Health 5

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.

Required Courses (27 credits)

NUR2 613	(4)	Reasoning in Primary Care Practice 1
NUR2 614	(3)	Reasoning in Primary Care Practice 2
NUR2 639	(8)	Reasoning in Primary Care Practice 3
NUR2 641	(6)	Reasoning in Primary Care Practice 4

NUR2 667	(3)	Health and Physical Assessment in Primary Care 1
NUR2 668	(3)	Health and Physical Assessment in Primary Care 2

13.12.1.18 Graduate Certificate (Gr. Cert.) Theory in Neonatology (15 credits)

Required Courses (15 credits)

NUR2 660	(6)	Reasoning in Neonatology 1
NUR2 661	(6)	Reasoning in Neonatology 2
NUR2 664	(3)	Neonatal Health Assessment

13.12.1.19 Graduate Certificate (Gr. Cert.) Theory in Pediatrics (15 credits)

The Graduate Certificate in Theory in Pediatrics prepares students to acquire the theoretical knowledge required to subsequently complete clinical courses in the Graduate Diploma in Pediatric Nurse Practitioner. This program is designed for students who previously completed a master's degree in nursing (equivalent to the McGill M.Sc.A in a nursing program) but have not completed any nurse practitioner theory or clinical courses. Students should complete 6-12 credits in preparatory theory courses prior to entry into the Graduate Certificate program (the specific number of preparatory courses required will depend on courses completed during their master's degree). Students should consult with the program Academic Adviser prior to applying.

Required Courses (15 credits)

NUR2 645	(3)	Pharmacology for Pediatric Nurse Practitioners
NUR2 682	(4)	Reasoning in Pediatrics 3
NUR2 683	(4)	Reasoning in Pediatrics 4
NUR2 684	(4)	Reasoning in Pediatrics 5

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 MSc(A) are taken concurrently by students entering the program with a Bachelor's Degree. Students entering the program already having completed a Master's in nursing degree take the Graduate Diploma and Graduate Certificate Nurse Practitioner - Adult Care concurrently. The admission requirements for this concentration are the same as those for our existing NP programs: a Bachelor's or Master's degree in Nursing (comparable to those offered at McGill); a minimum GPA of 3.2 on a scale of 4.0 in previous nursing studies; and 3360 hours of nursing experience in the specialty

(i.e. acute adult care). Please see the Executive Summary document for additional information.

Required Courses (30 credits)

NUR2 658	(11)	Adult Care Internship 2
NUR2 677	(3)	Reasoning in Adult Care 1
NUR2 678	(4)	Reasoning in Adult Care 2
NUR2 687	(6)	Reasoning in Adult Care 3
NUR2 688	(6)	Reasoning in Adult Care 4

13.12.1.21 Graduate Diploma (Gr. Dip.) Mental Health Nurse Practitioner (30 credits)

The Graduate Diploma in Mental Health Nurse Practitioner, in combination with the M.Sc.(A.) in Nurse Practitioner; Non-Thesis - Mental Health or with the Graduate Certificate in Mental Health Nurse Practitioner, focuses on the competencies required to assume the advanced practice nursing role of the mental health nurse practitioner, including the assessment, diagnosis, care and treatment of mental illness in primary, secondary and tertiary care settings.

Required Courses (30 credits)

NUR2 656	(14)	Mental Health Internship 2
NUR2 691	(3)	Reasoning in Mental Health 2
NUR2 692	(4)	Reasoning in Mental Health 3

NUR2 693 (4) Reasoning in Mental Health 4

13.12.1.22 Graduate Diploma (Gr. Dip.) Neonatal Nurse Practitioner (30 credits)**Required Courses (30 credits)**

NUR2 649 (12) Neonatology Internship 1
NUR2 650 (12) Neonatology Internship 2
NUR2 666 (6) Neonatal Follow-Up Internship

13.12.1.23 Graduate Diploma (Gr. Dip.) Pediatric Nurse Practitioner (30 credits)

Delineates a clinical course of study in mental health as a nurse practitioner, building on theoretical preparation in either a master's or a certificate program.

Required Courses (30 credits)

NUR2 653 (8) Pediatric Internship 1
NUR2 654 (14) Pediatric Internship 2
NUR2 685 (4) Reasoning in Pediatrics 6
NUR2 686 (4) Pediatric Assessment

13.12.1.24 Graduate Diploma (Gr. Dip.) Primary Care Nurse Practitioner (30 credits)

The Graduate Diploma in Primary Care Nurse Practitioner, taken in conjunction with either the M.Sc.(A.) in Nurse Practitioner; Non-Thesis – Primary Care (for those entering the program with a Bachelor of Science in Nursing) or the Graduate Certificate in Primary Care Nurse Practitioner (for those entering the program with a Master of Science in Nursing), focuses on a wide range of acute and chronic health concerns across the life span and includes activities related to assessment, diagnosis and treatment within the primary care nurse practitioner's legally sanctioned scope of practice.

Graduates may be eligible to be a candidate for the Ordre des infirmières et infirmiers du Québec's Primary Care Nurse Practitioner certification examination.

Required Courses (30 credits)

NUR2 659 (4) Applied Reasoning in Primary Care
NUR2 669 (12) Internship in Primary Care Practice 1
NUR2 679 (12) Internship in Primary Care Practice 2
NUR2 697 (1) Clinical Seminar in Primary Care 1
NUR2 698 (1) Clinical Seminar in Primary Care 2

13.12.1.25 Doctor of Philosophy (Ph.D.) Nursing

A student who has obtained a master's degree at McGill University or at an approved institution elsewhere may, on the recommendation of the School, be registered in the second year of the Ph.D. program.

Each student's program is designed with the thesis supervisor taking into account the student's previous academic preparation, needs, and research interests.

Thesis

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)

NUR2 701 (1) Comprehensive Examination
NUR2 702 (3) Quantitative Research
NUR2 706 (3) Qualitative Nursing Research

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](#) > [Graduate](#) > [section 1.3: Graduate Studies at a Glance](#) for a list of all graduate departments and degrees currently being offered.

14.5 Program Requirements

Refer to [University Regulations & Resources](#) > [Graduate](#) > [Regulations](#) > [section 1.1.7: Program Requirements](#) for graduate program requirements for the following:

- Master's Degrees
- Doctoral Degrees
- Coursework for Graduate Programs, Diplomas, and Certificates

14.6 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.

14.7 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.

14.8 Postdoctoral Research

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The *Postdoctoral Research* section of this publication contains important details postdoctoral scholars will require during their studies at McGill and should be periodically consulted, along with other sections and related publications.

14.8.1 Postdocs

Postdocs are recent graduates with a Ph.D. or equivalent (i.e., Medical Specialist Diploma) engaged by a member of the University's academic staff, including Adjunct Professors, to assist 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.).

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 University through Enrolment Services. Registration will be limited to postdocs who fulfil the definition above, and who meet the eligibility criteria as stipulated on the [Graduate and Postdoctoral Studies website](#).
- ii. Upon registration, postdocs will be eligible for a University identity card issued by Enrolment Services.
- iii. Leaves of absence must comply with the Graduate and Postdoctoral Studies Policies for Vacation, Parental/Familial, and Health Leave (see [section 2.8.3: Vacation Policy for Graduate Students and Postdocs](#) and [University Regulations & Resources](#) > Graduate > Regulations > Categories of Students > [section 1.2.8: Leave of Absence Status](#)).

3. Appointment, Funding, Letter of Agreement

- i. Postdoctoral appointments may not exceed the registration eligibility period as defined above.
- ii. In order to be registered, the postdoc must be assured of financial support other than from personal means during their stay at McGill University. This amount must be equivalent to the minimal stipend requirement set by the University in accordance with guidelines issued by federal and provincial research granting agencies or the collective agreement, as applicable. Funding during parental leave is subject to the conditions of the funding agency or the collective agreement, as applicable.
- iii. Postdocs require a [Letter of Agreement for Postdoctoral Education](#) signed by the postdoc, the supervisor, and the department/unit head or delegate.
- iv. Postdocs with full responsibility for teaching a course should be compensated over and above their postdoctoral funding as course lecturers. This applies to all postdocs, except those for whom teaching is part of the award.
- v. The amount of research, teaching, or other tasks that postdocs engage in over and above postdoctoral activities should conform to the regulations for postdocs specified by the Canadian research council of their discipline or the collective agreement. This applies to all postdocs, including those whose funding does not come from the Canadian research councils.

4. Privileges

- i. Postdocs have the same pertinent rights as the ones granted to McGill students under mcgill.ca/students/srr, and those granted by the policies listed at mcgill.ca/secretariat/policies-and-regulations.
- ii. Postdocs have full graduate student borrowing privileges in McGill libraries through their identity card.
- iii. As a general rule, postdocs may take courses for credit as Special Students following the admissions procedures outlined at mcgill.ca/gradapplicants/apply/prepare/visiting. [Tuition and other charges](#) will apply.
- iv. Postdocs may be listed in the McGill directory.
- v. Access to sports facilities may be purchased on a monthly basis through McGill Athletics and Recreation.
- vi. Postdoctoral Fellows and Scholars are mandatory members of the Post-Graduate Students' Society (PGSS) and an annual association fee is automatically charged.
- vii. Postdocs are permitted membership in the Faculty Club; an annual fee will be charged for this membership.
- viii. Postdocs are encouraged to participate in Professional Development Workshops provided by Graduate and Postdoctoral Studies, and Teaching and Learning services. These sessions are usually free of charge.
- ix. Postdocs have 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.

14.8.3 Vacation Policy for Postdocs

Please refer to the [section 1.2.9: Vacation Policy for Graduate Students and Postdocs](#).

14.8.4 Leave of Absence for Health and Parental/Familial Reasons

A leave of absence may be granted for maternity or parental reasons or for health reasons (see [University Regulations & Resources > Graduate > section 1.2.8: Leave of Absence Status](#)).

Such a leave must be requested on a term-by-term basis and may be granted for a period of up to 52 weeks. For a maternity or parental leave, the eligibility period of a maximum of 52 consecutive weeks is determined based on when the child is born; if the leave is interrupted for one or two terms, the eligibility period cannot be extended. Students and Postdocs must make a request for such a leave in writing to their department and submit a medical certificate. The department shall forward the request to Enrolment Services. See the procedure in [University Regulations & Resources > Graduate > section 1.2.8: Leave of Absence Status](#).

Students who have been granted such a leave will have to register for the term(s) in question and their registration will show as "leave of absence" on their record. No tuition fees will be charged for the duration of the authorized leave. Research supervisors are not obligated to remunerate students and Postdocs on leave. A summary table of various leave policies (paid or unpaid) for students and Postdocs paid from the Federal and Quebec Councils through fellowships or research grants is available at mcgill.ca/gps/funding/getting-paid under "Leave Policies and Form."

14.8.5 Postdoctoral Research Trainees

Eligibility

If your situation does not conform to the Government of Quebec's definition of a Postdoctoral Fellow, you may be eligible to attend McGill as a Postdoctoral Research Trainee. While at McGill, you can perform research only (you may not register for courses or engage in clinical practice). Medical specialists who will have clinical exposure and require a training card must register through Postgraduate Medical Education of the Faculty of Medicine and Health Sciences—not Graduate and Postdoctoral Studies.

The category of Postdoctoral Research Trainee is for:

Category 1: An individual who has completed requirements for the Doctoral degree or medical specialty, but whose degree/certification has not yet been awarded. An individual in this category will subsequently be eligible for registration as a Postdoctoral Fellow.

Category 2: An individual who is not eligible for Postdoctoral Registration according to the Government of Quebec's definition, but is a recipient of an external postdoctoral award from a recognized Canadian funding agency.

Category 3: An individual who holds a professional degree (or equivalent) in a regulated health profession (as defined under CIHR-eligible health profession) and is enrolled in a program of postgraduate medical education at another institution. This individual wishes to conduct the research stage or elective component of their program of study at McGill University under the supervision of a McGill professor. This individual will be engaged in full-time research with well-defined objectives, responsibilities, and methods of reporting. Applications must be accompanied by a letter of permission from the applicant's home institution (signed by the Department Chair, Dean, or equivalent) confirming registration in their program and stating the expected duration of the research stage. Individuals who are expecting to spend more than one year are encouraged to obtain formal training (master's or Ph.D.) through application to a relevant graduate program.

Category 4: An individual with a regulated health professional degree (as defined under CIHR-eligible health profession), but not a Ph.D. or equivalent or medical specialty training, but who fulfils criteria for funding on a tri-council operating grant or by a CIHR fellowship (up to maximum of five years post-degree).



Note: Individuals who are not Canadian citizens or permanent residents must inquire about eligibility for a work permit.

General Conditions

- The maximum duration is three years
- The individual must be engaged in full-time research
- The individual must provide copies of official transcripts/diplomas
- The individual must have the approval of a McGill professor to supervise the research and of the Unit
- The individual must have adequate proficiency in English, but is not required to provide official proof of English competency to Enrolment Services
- The individual must comply with regulations and procedures governing research ethics and safety and obtain the necessary training
- The individual will be provided access to McGill libraries, email, and required training in research ethics and safety. Any other University services must be purchased (e.g., access to athletic facilities)
- The individual must arrange for basic health insurance coverage prior to arrival at McGill and may be required to provide proof of coverage

14.9 Graduate Studies Guidelines and Policies

Refer to [University Regulations & Resources](#) > [Graduate](#) > [section 1.2: Guidelines and Policies](#) for information on the following:

- Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision
- Policy on Graduate Student Research Progress Tracking
- Ph.D. Comprehensives Policy
- Graduate Studies Reread Policy
- Failure Policy
- Guideline on Hours of Work

14.10 Graduate Student Services and Information

Graduate students are encouraged to refer to [section 1.7: Student Services and Information](#) for information on the following topics:

- Service Point
- Student Rights & 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

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 access to the Professional Master's programs. For more information on our graduate programs, refer to the School of Physical & Occupational Therapy Graduate section of the eCalendar, and the school website's graduate [Occupational Therapy](#) and [Physical Therapy](#) sections.

14.12.1 Licensing Regulations

Graduates who complete the Master of Science (Applied) in Occupational Therapy (M.Sc.A.OT.) or the Master of Science (Applied) in Physical Therapy (M.Sc.A.PT.) degree are eligible to seek licensure. Graduates from McGill may seek licensure world-wide. Each country, province, or state sets its own requirements for licensure which may necessitate examination, further course work, and/or the TOEFL. Those intending to practice occupational therapy or physical therapy within their borders must comply with special provincial or state licensing regulations.

Further information regarding Canadian requirements may be obtained from the offices of the associations listed under [section 14.12.3: Professional Organizations](#) below.

In order to practice occupational therapy or physical therapy in the province of Quebec, a permit must be obtained from the appropriate provincial regulatory body. Quebec law also requires that candidates seeking admission to the provincially-recognized Quebec regulatory bodies must possess a working knowledge of the French language, i.e., be able to communicate verbally and in writing in that language. For further information, refer to [University Regulations & Resources](#) > [Undergraduate](#) > [Admission to Professional and Graduate Studies](#) > : [Language Requirements for Professions](#).

Occupational therapists practising in Canada (except Quebec) are required to pass a National Certification Examination after graduation. For information, contact the [Canadian Association of Occupational Therapists](#) (refer to [section 14.12.3: Professional Organizations](#) below).

As of 1993, all Physical Therapy graduates who wish to practice in provinces in Canada (other than Quebec) are required to pass a Physiotherapy National Examination or provide proof of licensing in Quebec. For confirmation, contact the Canadian Alliance of Physiotherapy Regulators (refer to [section 14.12.3: Professional Organizations](#) below).

14.12.2 Program Accreditation

The Professional Master's Program has received accreditation status by [Physiotherapy Education Accreditation Canada](#).

The Occupational Therapy program is accredited by the [Canadian Association of Occupational Therapists](#).

14.12.3 Professional Organizations

Canadian National Offices

Canadian Association of Occupational Therapists
100-34 Colonnade Road
Ottawa ON K2E 7J6
Telephone: 613-523-CAOT(2268); 1-800-434-CAOT(2268) (toll-free)
Website: www.caot.ca

Canadian Physiotherapy Association
National Office
955 Green Valley Crescent, Suite 270
Ottawa ON K2C 3V4
Telephone: 613-564-5454; 1-800-387-8679 (toll free)
Fax: 613-564-1577
Email: information@physiotherapy.ca
Website: www.physiotherapy.ca

Canadian Alliance of Physiotherapy Regulators
1243 Islington Avenue, Suite 501
Toronto ON M8X 1Y9
Telephone: 416-234-8800
Fax: 416-234-8820
Website: www.alliancept.org

Quebec Provincial Offices

Ordre des ergothérapeutes du Québec
2021 avenue Union, bureau 920
Montreal QC H3A 2S9
Telephone: 514-844-5778; 1-800-265-5778 (toll free)
Fax: 514-844-0478
Email: ergo@oeq.org
Website: www.oeq.org

Ordre professionnel de la physiothérapie du Québec
7151 rue Jean-Talon est, bureau 700
Anjou QC H1M 3N8
Telephone: 514-351-2770; 1-800-361-2001 (toll free)
Fax: 514-351-2658
Email: physio@oppq.qc.ca
Website: www.oppq.qc.ca

International Offices

Please check websites of individual countries and states for specific licensing requirements.

14.13 Student Evaluation and Promotion

14.13.1 Degree Requirements for the Master of Science (Applied) – Occupational Therapy (M.Sc.A.OT.), and the Master of Science (Applied) – Physical Therapy (M.Sc.A.PT.)

Entry to professional practice requires the completion of an M.Sc.A.OT. or M.Sc.A.PT. Therefore, students who graduate from the Bachelor of Science in Rehabilitation (OT or PT) must continue to the MSc(A) OT or MSc(A) PT to obtain entry to professional practice.

Students who graduate with the B.Sc.Rehab.Sc. degree with the required cGPA of 3.0 or better may be considered for acceptance into the same discipline of the Master of Science (Applied) program that commences in the summer following graduation. For full details, refer to the Rules and Regulations documents at [School of Physical & Occupational Therapy > Occupational Therapy Program > Master of Science \(Applied\) in Occupational Therapy](#) and [School of Physical & Occupational Therapy > Physical Therapy Program > Master of Science \(Applied\) in Physical Therapy](#).

Entry to the MSc(A) OT or MSc(A) PT requires students to have a minimum cGPA of 3.0. Even when the cGPA requirement is attained, the Occupational Therapy Promotions and Review Committee (OTPRC) or the Physical Therapy Promotion and Review Committee (PTPRC) may recommend that a student

not be admitted to the Master's program if, during the Bachelor's program, (i) the student has had 3 or more documented performance deficiencies (flags), with or without probationary status; or (ii) the student has not progressed sufficiently toward achievement of the required skills and attributes for entry to practice.

Students from McGill or elsewhere who do not hold the B.Sc.Rehab.Sc. - Major in Occupational or Physical Therapy degree must apply to the Master's program via a graduate Qualifying Year, or have the option to first apply to the undergraduate degree of B.Sc.Rehab.Sc. - Major in OT or PT and proceed to the M.Sc.A. degree in the same discipline.

For further details and other requirements, please refer to the [School of Physical & Occupational Therapy > Graduate & Postdoctoral Studies](#) section. For complete admissions information, refer to mcgill.ca/spot/programs/admissions.

Student Evaluation and Promotion MSc(A) OT and MSc(A) PT.

Academic matters are the jurisdiction of the Occupational Therapy Promotion and Review Committee (OTPRC) or the Physical Therapy Promotion and Review Committee (PTPRC). The OTPRC and the PTPRC review the academic record, professional conduct, and general performance of students throughout the Occupational Therapy and Physical Therapy programs. It exercises final authority to determine a student's competence and suitability for the practice of occupational therapy or physical therapy and, hence, makes final decisions on all matters relating to promotion and graduation.

For complete rules and regulations regarding student promotions, along with the below resource documents, refer to the following School of Physical and Occupational Therapy program documents:

[School of Physical and Occupational Therapy > Physical Therapy Program > Master of Science \(Applied\) in Physical Therapy](#) or [School of Physical and Occupational Therapy > Occupational Therapy Program > Master of Science \(Applied\) in Occupational Therapy](#).

- Important Information for Students
- Rules and Regulations
- Curriculum
- Code of Conduct
- Essential Skills and Attributes
- Process-McGill's Office for Student Accessibility & Achievement
- Resources for learners

Students in Occupational Therapy or Physical Therapy must successfully complete a total of 30 credits in the Qualifying Year (QY) in Occupational Therapy or Physical Therapy, or have obtained the B.Sc.Rehab.Sc. - Major Occupational Therapy or Physical Therapy followed by 63 credits in the corresponding M.Sc.A. degree. They must successfully complete all courses in the respective MSc(A) curricula, and be in Satisfactory Standing to obtain the degree of M.Sc.A. (OT. or PT.).

Due to the sequential nature of the programs, the Occupational Therapy and Physical Therapy programs are full-time programs of study. Exceptions may be possible provided that students have obtained written permission from the Promotions and Review Committee to register part-time. Further information on the curriculum is available at mcgill.ca/spot/programs/ot/curriculum for OT curriculum or at mcgill.ca/spot/programs/pt/curriculum for PT curriculum.

Students enrolled full-time in the MSc(A) OT or MSc(A) PT program must complete all degree requirements within 3 years of the date of initial registration in this program. In the situation of part-time studies, degree requirements must be completed within 5 years of the date of initial registration. Please consult McGill's Graduate and Postdoctoral Studies page for [Time Limitation Policy](#).

The School's assessment and promotions and review policies are multi-faceted, and under constant review by the School of Physical and Occupational Therapy. The School reserves the right to change rules and regulations at any time, although in general such changes will not come into effect in the middle of an academic year or promotion period. For complete information about the School's rules and regulations, refer to the Important documents at xref: [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 Therapy - McGill University](#).

You must successfully complete all the requirements of each promotion period before being permitted to enter the next promotion period. In order to be promoted to the next promotion period, a student must successfully complete all professional courses in each promotion period, as well as all requirements for inter-professional education courses.

The required minimum passing grade is a B- (65%) for all courses with the designation of OCC1, PHTH, and POTH. As well, for any course with the designation of OCC1, PHTH, or POTH, which comprises both individual and group evaluations, or both theoretical and practical evaluations, each student must pass every component in order to receive a passing grade for the course (the minimum passing grade is a B- (65%)).



Note: Courses with a Subject Code OCC1, PHTH, or POTH are reserved for students enrolled in programs within the School of Physical & Occupational Therapy.

No evaluation, examination mark, etc., shall be considered final until approved by the OTPRC or the PTPRC. Only final grades submitted on Minerva are the official McGill grades. myCourses (McGill's Learning Management system) is a tool but not the source for final grades.

For the purposes of evaluation, the curriculum is broken down into the following promotion periods:

QY:

Promotion Period 1 Fall September-December

Promotion Period 2 Winter January-April

M1 & M2:

Promotion Period 1 M1 Summer May-August

Promotion Period 2 M1 Fall September -December

Promotion Period 3 M1 Winter January-April

Promotion Period 4 M2 Fall - program completion (includes summer research project)

Failure Policy, Withdrawal, or Dismissal from the School of Physical & 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 Therapy - McGill University](#) and Academic Integrity, Standards of Behaviour and Code of Conduct, and Examination Facilities for Students with Disabilities.

Supplemental Examinations

Supplemental examinations may be permitted by the OTPRC or PTPRC and are examinations taken as a consequence of a failure or unsatisfactory outcome in a course. The timing of the supplemental examinations for failed Fall term and Winter term courses with the designation of OCC1, PHTH or POTH will be determined by the course instructor and may be held within 30 days of the posting of final grades, if feasible, or during the official supplemental examination periods. It should be noted that the supplemental exam result will not erase the failed grade originally obtained and used in calculating the GPA. Both the original and supplemental exam marks will be calculated in the GPA and cGPA. For more information, please refer to Rules and Regulations at [Occupational Therapy](#) or [Physical Therapy](#), and to [Graduate and Postdoctoral Studies > Graduate Students > Registration and Degree Progress > Exams](#), and to [section 1.2.2: Failure Policy in Graduate Studies](#).

Deferred Examinations

Students, who for serious reasons such as valid health reason, family or personal crises, have not written one or more examinations, may receive the permission of the Program Director or delegate to defer the examination to the next deferred examination period. The student must inform the Student Affairs Office and the Program Director or delegate as soon as possible of the reason for their absence from the examination. The student must present the supporting documentation to the Program Director or delegate, as soon as possible and no later than one (1) week after the examination. Please refer to details in Rules and Regulations at [Occupational Therapy](#) or [Physical Therapy](#) and to [University Regulations & Resources](#).



N.B.: No supplemental examinations are available for students who did not receive the required passing grade in a course after writing a deferred examination.

14.14 Browse Academic Units & Programs

The programs and courses in the following sections have been approved for the 2022–2023 session as listed.

14.14.1 Physical and Occupational Therapy

14.14.1.1 Location

School of Physical and Occupational Therapy
3654 Promenade Sir-William-Osler
Montreal QC H3G 1Y5
Canada
Telephone: 514-398-4501

Fax: 514-398-6360
Email: *see below*
Website: mcgill.ca/spot

Directors

Director and Associate Dean – Laurie Snider

Email: admincoord.spot@mcgill.ca

Associate Director – Judith Soicher

Email: admincoord.spot@mcgill.ca

Director's Academic Associate – Sarah C. Marshall

Email: sarah.marshall@mcgill.ca

Program Director, Physical Therapy – Liliane Asseraf-Pasin

Email: profmasters.spot@mcgill.ca

Associate Program Director, Physical Therapy – Richard Preuss

Email: profmasters.spot@mcgill.ca

Program Director, Occupational Therapy – Sara Saunders

Email: profmasters.spot@mcgill.ca

Associate Program Director, Occupational Therapy – Susanne Mak

Email: profmasters.spot@mcgill.ca

Graduate Programs Director – Isabelle Gélinas

Email: graduate.rehabilitation@mcgill.ca

Graduate Programs Associate Director – Anouk Lamontagne

Email: graduate.rehabilitation@mcgill.ca

14.14.1.2 About the School of Physical and Occupational Therapy

As part of McGill's Faculty of Medicine and Health Sciences, we are proud of the outstanding academic environment we offer to our students. The School of Physical and Occupational Therapy is situated on McGill University's upper campus in the downtown area of the beautiful city of Montreal, Quebec.

The School offers **master's** and **doctorate** programs in three areas:

- Occupational Therapy
- Physical Therapy
- Rehabilitation Sciences

Two **graduate certificate** programs are also offered in Driving Rehabilitation and Chronic Pain Management.

The School is internationally recognized for the excellence of its contribution to research in rehabilitation. Excellence in research and teaching is the foundation and tradition of the School of Physical and Occupational Therapy at McGill University. The Faculty educates professionals and, through research, generates the body of knowledge that guides our professions to advance the health, function, and participation of the individual in society.

section 14.14.1.6: Master of Science (M.Sc.) Rehabilitation Science (Thesis) (45 credits)

The full curriculum consists of approximately two years of study for graduates who hold a B.Sc. degree in one of the medical rehabilitation disciplines or a related field. The program consists of required and elective coursework, a research proposal, and a research thesis.

section 14.14.1.7: Master of Science (M.Sc.) Rehabilitation Science (Non-Thesis) (45 credits)

The program requires three terms of full-time residence study and can usually be completed within three to four terms. It is designed for graduates who hold a B.Sc. (or equivalent) in Physical or Occupational Therapy or related health professions. Two years of clinical experience is recommended. The

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 fieldwork education are emphasized. Courses emphasize client-centred and evidence-based practice across the lifespan and health care continuum, and include health promotion from prevention of disability to rehabilitation. In addition to fieldwork, the program requirements include courses in advanced clinical practice, research methodology, and educational methodology. The master's project prepares the entry-to-practice physiotherapist to become an autonomous and effective professional through the acquisition of research skills. Entry to the Master of Science, Applied, in Physical Therapy is limited to internal candidates coming from the Bachelor of Rehabilitation Science (PT) and the Qualifying Year to the M.Sc.A. (PT).

section 14.14.1.9: Master of Science, Applied (M.Sc.A.OT.) Occupational Therapy (Non-Thesis) (63 credits)

The Master of Science (Applied) in Occupational Therapy program is to be completed in 1.5 years of graduate study over five semesters and includes a clinical practicum of 1,000 hours leading to professional licensure to practice. The educational approach is consistent with adult learning and reflective clinical practice. The curriculum uses a case-based, problem-solving, self-directed approach across the lifespan. Strong links between academic and clinical fieldwork education are emphasized throughout the educational process. Coursework will focus on client-centred and evidence-based practice, clinical reasoning, ethics, and professionalism as essential components for the development of a humanistic, ethical, knowledgeable, competent, critical thinking, and problem-solving Occupational Therapist. The master's project is designed to develop research and scholarly skills. Entry to the Master of Science, Applied, in Occupational Therapy is limited to internal candidates coming from the Bachelor of Rehabilitation Science (OT) and the Qualifying Year to the M.Sc.A. (OT).

section 14.14.1.10: Doctor of Philosophy (Ph.D.) Rehabilitation Science

This program consists of three to four years of study, on average, for graduates with master's-level training in one of the medical rehabilitation disciplines or a related field. The program consists of required and elective coursework, a comprehensive written examination, a research proposal, a doctoral thesis, and an oral defence.

section 14.14.1.11: Graduate Certificate (Gr. Cert.) Driving Rehabilitation (15 credits)

The 15-credit postgraduate certificate program aims to train Occupational Therapists to assess the driving abilities and performance of at-risk populations, retrain drivers, recommend adaptive vehicles and adapt technical aids that will allow disabled individuals to return to driving and preserve their independence and quality of life. The program comprises five courses. The first two are offered online; the other three are a combination of online and intensive workshops.

section 14.14.1.12: Graduate Certificate (Gr. Cert.) Chronic Pain Management (15 credits)

The 15-credit postgraduate certificate program aims to train healthcare professionals on the most recent and relevant approaches and technologies for the care and management of chronic pain with an interdisciplinary perspective. The program comprises four core courses offered online and one elective course, which can be online or a directed practicum.

14.14.1.3 Clinical Placements, Language, Vaccination, and CPR Requirements

Clinical hours necessary to obtain membership in both the national associations and provincial licensing bodies for each profession are included within the professional Master's programs (M.Sc.A. Occupational Therapy and M.Sc.A. Physical Therapy). This standard is compatible with the licensing requirements in other provinces where legislation is in force.

Working knowledge of both English and French is essential for students who will be working in clinical affiliations throughout the province of Quebec. French is the official language in Quebec and thus health and social services administered by the Ministry of Health are bound by the Charter of the French Language. This means that all health and social service institutions operate in French. Certain institutions have a bilingual mandate for patient care but team meetings and dealings with third party agencies operate in French only. Some of the clinical communication competencies you will exercise during your studies include: listening to a client or their family describe the reason for consulting, asking questions to learn more, explaining a condition in formal and informal terms, and communicating with other healthcare professionals such as doctors, nurses, physiotherapists. This could be in-person, on the phone, or with written documentation

As such, all applicants should be aware that any clinical placements in the province of Quebec require the ability to communicate (written and oral) in French. Refer to the details for the admission requirements of proof of French proficiency in the [Qualifying Year Admissions Guides](#).

Due to changes in out-of-province programs, increased enrollment, and continued pandemic-related restrictions, clinical practica will be taking place within the province of Quebec for the foreseeable future. Students must therefore possess the recommended minimum level of oral and written French, as outlined in the admission guides, prior to the start of clinical practica. Students who do not speak French will have limited clinical placement opportunities. This may result in delayed graduation from the program.

Valid CPR/AED Level (Health Care Provider) certification or equivalent is required prior to going into any of the clinical affiliation placements and must be maintained throughout the professional Master's program.

Vaccinations

Prior to starting their first clinical course, students registered in a health care program will need to ensure that they have completed all required series of 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 Year in preparation for the M1 Summer term of 2 clinical courses.

For complete details, consult the [Student Wellness Hub](#). Please also refer to the Vaccination/Immunisation Requirements for Health Sciences Programs in the Undergraduate eCalendar's section Health Sciences : [Student Services and Regulations](#).

14.14.1.4 Physical and Occupational Therapy Admission Requirements and Application Procedures

14.14.1.4.1 Admission Requirements

Language Requirements

Applicants to a graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English, by appropriate exams, e.g.:

- [TOEFL](#) (Test of English as a Foreign Language) with a minimum score of 86 on the Internet-based test (iBT), with each component score not less than 20; or
- [IELTS](#) (International English Language Testing System) with a minimum overall band score of 6.5.



Note: McGill University's Institutional code for the TOEFL and GRE is **0935**



Note: French Language Competency requirement for [QY Admissions to the MSc\(A\) OT or the MSc\(A\) PT](#).

M.Sc. in Rehabilitation Science (Thesis)

1. A Bachelor of Science degree or equivalent in Physical or Occupational Therapy or a related field from a university of recognized reputation;
2. Evidence of high academic achievement, equivalent to a B Standing, or a McGill CGPA of 3.0 (70–74%);
3. Prerequisite courses may be required in statistics, anatomy, physiology, psychology, sociology, neurophysiology, or other areas, depending on the student's anticipated specialization;
4. Applicants must meet the language requirements listed above;
5. A [GRE](#) (Graduate Records Examination) Test is recommended for the following applicants:
 - those who do not have a B.Sc. or equivalent from a Canadian university;
 - those who have been out of university for five years or more.

Only the GRE General Test is required.

Applicants must ensure that official test results are sent to McGill University directly by the testing service. Applications cannot be considered if test results are not available.

If a graduate student accepted into the Master of Science program demonstrates superior performance in the first year, the Graduate Committee, in consultation with the thesis supervisor, may recommend waiving the M.Sc. thesis requirement, and allow the student to proceed directly to the PhD program.

M.Sc. in Rehabilitation Science (Non-Thesis)

1 to 5 as above; plus two years of clinical experience is recommended.

M.Sc., Applied, in Occupational Therapy or the M.Sc., Applied, in Physical Therapy

Entry to professional practice in Occupational Therapy requires the completion of a Master of Science, Applied, degree in Occupational Therapy (M.Sc.A.OT.). The MSc(A) OT program is only open to applicants who have completed McGill's B.Sc.Rehab.Sc. majoring in Occupational Therapy or Qualifying Year to the MSc(A) OT.

Entry to professional practice in Physical Therapy requires the completion of a Master of Science, Applied, degree in Physical Therapy (M.Sc.A.PT.). The MSc(A) PT program is only open to applicants who have completed McGill's B.Sc. Rehab.Sc. majoring in Physical Therapy or the Qualifying Year to the MSc(A) PT program.

Entry to both the MSc(A) OT and MSc(A) PT programs requires applicants to have a minimum cGPA of 3.0 in the related B.Sc. or Qualifying Year program. Even if the cGPA requirement is met, the Promotions and Review Committee for the program may recommend that an applicant not be admitted to the Master's program if, during the Bachelor's program or Qualifying Year, that individual has (i) documented performance deficiencies (e.g., academic integrity and professional behaviour) and/or (ii) shown insufficient progression toward the program's Essential Skills and Attributes.

Students from McGill or elsewhere who do not hold the degree in Bachelor of Science (Rehabilitation Science) – Major in Occupational Therapy or Physical Therapy must apply to the Master's program via a graduate Qualifying Year, or have the option to first apply to the Bachelor of Science (Rehabilitation Science) – Major in Occupational Therapy or Physical Therapy and proceed to the Master of Science, Applied, degree in the same discipline.

Qualifying Year:

Students admitted to a Qualifying program are known as Qualifying Students for a Master's. They must meet the application and admission requirements indicated by the chosen graduate department and the Graduate Admissions Unit of Enrolment Services. The courses taken during a Qualifying Year will not be credited towards a degree program. Students are registered in graduate studies but have not yet been admitted to a degree program. These students take a full load (12 credits minimum) per semester of undergraduate courses as specified by the department. Only one Qualifying Year is permitted.

Qualifying Year for Entry into MSc(A) OT

1. An undergraduate degree or equivalent in any subject from a university of recognized reputation;
2. Evidence of high academic achievement in one's undergraduate degree, equivalent to a B Standing, or a McGill cGPA of 3.0 (70-74%) or higher;
3. No prerequisite courses; completion of optional background courses is recommended;
4. Completion of the Canadian Professional Health Sciences CASPer Test (the CASPer test is administered by [Altus Assessments](#));
5. Completion of all application components set out in the [Occupational Therapy Qualifying Year Admissions Guide](#);
6. Applicants must meet the English language requirements listed above, although a minimum overall band score of 7.0 is required for IELTS (International English Language Testing System);
7. Proof of French language competency. Refer to [Occupational Therapy Qualifying Year Admissions Guide](#).

Further information regarding the Qualifying Year is available at mcgill.ca/spot/programs/admissions-0/professional-programs.

Qualifying Year for Entry into MSc(A) PT

1. An undergraduate degree or equivalent in any subject from a university of recognized reputation;
2. Evidence of high academic achievement in all undergraduate coursework, equivalent to a McGill CGPA of 3.2 or higher;
3. At least three McGill-equivalent credits in Human Anatomy and at least three McGill-equivalent credits of Human or Mammalian Physiology, with a McGill-equivalent grade of B (70-74%) or higher, completed prior to the start of the Qualifying year;
4. Completion of the Canadian Professional Health Sciences CASPer Test (the CASPer test is administered by [Altus Assessments](#));
5. Completion of all application components set out in the [Physical Therapy Qualifying Year Admissions Guide](#);
6. Applicants must meet the English language requirements listed above, although a minimum overall band score of 7.0 is required for IELTS (International English Language Testing System);
7. Proof of French language competency. Refer to the [Physical Therapy Qualifying Year Admissions Guide](#).

Further information regarding the Qualifying year is available at mcgill.ca/spot/programs/admissions-0/professional-programs.

Ph.D. in Rehabilitation Science

1. An M.Sc. degree in a rehabilitation-related discipline from a university of recognized reputation;
2. Evidence of high academic achievement, equivalent to a B+ Standing, or a McGill CGPA of 3.3 (75–79%) is required;
3. Applicants must meet the language requirements listed above;
4. A *GRE* (Graduate Records Examination) Test is recommended for the following applicants:
 - those who do not have a B.Sc., M.Sc., or equivalent from a Canadian university;
 - those who have been out of university for five years or more.

Applicants must ensure that official test results are sent to McGill University directly by the testing service. Applications cannot be considered if test results are not available.

Graduate Certificate in Driving Rehabilitation

1. A B.Sc. degree or equivalent in Occupational Therapy or a related field from a university of recognized reputation;
2. Evidence of high academic achievement, equivalent to a B Standing or a McGill CGPA of 3.0 (70–74%);
3. See points 3, 4, and 5 under M.Sc. in Rehabilitation Science (Thesis) above for more information on prerequisites, TOEFL, and GRE.

Graduate Certificate in Chronic Pain Management

1. A B.Sc. degree or equivalent in a health-related discipline from a university of recognized reputation;
2. Evidence of high academic achievement, equivalent to a B standing or a McGill CGPA of 3.0 (70–74%);
3. See points 3, 4, and 5 under M.Sc. in Rehabilitation Science (Thesis) above for more information on prerequisites, TOEFL, and GRE.

14.14.14.2 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.

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)

Graduate Certificate in Driving Rehabilitation

	Application Opening Dates		Application Deadlines	
Fall Term:	Sept. 15	May 1	June 1	June 1
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 term admission will not be considered (except for Graduate Certificate in Chronic Pain Management).

14.14.1.5 Physical and Occupational Therapy Faculty

Faculty profiles are available at mcgill.ca/spot/people.

Emeritus Professors

Robert Dykes; Erika Gisel; Sharon Wood-Dauphinee.

Professors

Philippe Archambault; Mindy Levin; Annette Majnemer; Nancy Mayo; Bernadette Nedelec.

Associate Professors

Sara Ahmed; Dana Anaby; Patricia Belchior da Cunha; Marie-Hélène Boudrias; Marie Brossard-Racine; André Bussièrès; Joyce Fung; Isabelle Gagnon; Isabelle Gélinas; Matthew Hunt; Tania Janaudis-Ferreira; Eva Kehayia; Anouk Lamontagne; Raphael Lencucha; Melissa Park; Shawn Robbins; Marc Roig Pull; Laurence Roy; Keiko Shikako-Thomas; Laurie Snider; Jadranka Spahija; Aliko Thomas; Timothy Wideman.

Assistant Professors

Mariana-Bertagnolli; Stefanie Blain-Moraes.

Associate Professors (Professional)

Barbara Mazer; Richard Preuss; Caroline Storr.

Assistant Professors (Professional)

Marie-Eve Bolduc; Madeleine Bonnard; Noémi Dahan-Oliel; Heather Lambert; Susanne Mak; Anita Menon; Cynthia Perlman; Claire Perez; Suzanne Rouleau; Barbara Shankland; Sara Saunders; Judith Soicher; Adriana Venturini; Hiba Zafran.

Faculty Lecturers

Liliane Asseraf-Pasin; Dana Benoit; Marie-Christine Beshay; Claudia Brown; Karen Falcicchio; Crystal Garnett; Ana Maria Moga; Sarah Marshall; Daniel Nguyen; Isabelle Pearson; Frangiska Xenopoulos.

Academic Associate

Monica Slanik

Adjunct Professors and Associate Members

Nancy Alarie; Julie Côté; Mayada Elsabbagh; Sharon Henry; Michael Sullivan; Walter Wittich.

14.14.1.6 Master of Science (M.Sc.) Rehabilitation Science (Thesis) (45 credits)

The M.Sc. in Rehabilitation Science; Thesis program focuses on interdisciplinary research related to health and rehabilitation. The program provides training in the use of methodologies for knowledge synthesis and for designing and conducting research studies in rehabilitation. A major component of the program is the development and implementation of an individualized thesis project in a specialized area of interest in health and rehabilitation (e.g., brain, education, global health, musculoskeletal, heart and lung, mental health and pain).

Thesis Courses (29 credits)

POTH 696 (2) Thesis Research

POTH 697	(6)	Thesis Research 1
POTH 698	(9)	Thesis Research 2
POTH 699	(12)	Thesis Research 3

Required Courses (10 credits)

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 experience by participating in a directed project.

Required Courses (25 credits)

POTH 610	(4)	Research Methodology
POTH 614	(3)	Selected Topics in Rehabilitation Science
POTH 617	(0)	Knowledge Synthesis in Rehabilitation Seminar
POTH 628	(3)	Introduction to Regression Analysis
POTH 661	(7)	Research Project 1
POTH 662	(8)	Research Project 2

Complementary Courses (20 credits)

20 credits of courses that pertain to the student's area of specialization; to be chosen from the School course offerings or other courses at the 500, 600 or 700 level with permission from the Graduate Program Director.

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 is a 62-credit program to be completed in 1.5 graduate years over five semesters, and includes four clinical practica of 1,050 hours in total, leading to professional licensure to practice. The educational approach is consistent with adult learning, self-directed learning, reflective clinical practice, and inter-professionalism. Strong links between academic and clinical fieldwork education are emphasized. Courses emphasize client-centred and evidence-based practice across the lifespan and health care continuum, and include health promotion from prevention of disability to rehabilitation. In addition to fieldwork, the program requirements include courses in advanced clinical practice, research methodology, and educational methodology. The master's project prepares the entry-to-practice physiotherapist to become an autonomous and effective professional through the acquisition of research skills.

For additional information on courses taken during the Qualifying year, please refer to this website: <http://www.mcgill.ca/spot/programs/pt/curriculum>.

Students admitted to the M.Sc.A. who have undergraduate degrees other than the B.Sc.(Rehabilitation Science); Major in Physical Therapy from McGill University will be required to complete a Qualifying year of study, prior to beginning the master's program.

Required Courses (57 credits)

IPEA 502	(0)	Patient-Centred Care in Action
IPEA 503	(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 Activities (IPEAs)

These required non-credit activities address the competencies for interprofessional practice across the health professions such as professional roles, communication, collaboration in patient-centered care, and conflict resolution. Students will be advised at the beginning of each term which activities they should register for.

14.14.1.9 Master of Science, Applied (M.Sc.A.OT.) Occupational Therapy (Non-Thesis) (63 credits)

The Master of Science (Applied) in Occupational Therapy; Non-Thesis is a professional program that may lead to eligibility for licensure to practice as an Occupational Therapist. It is a 63-credit degree program that includes 1000 hours of fieldwork education over five semesters. The educational approach is consistent with adult learning and reflective clinical practice. The curriculum uses a case-based, problem-solving, self-directed approach across the lifespan. Strong links between academic and clinical fieldwork education are emphasized throughout the educational process. Focus on client-centered and evidence-informed practice, clinical reasoning, ethics and professionalism. The Master's project focuses on research skills and scholarly contribution to health care delivery or clinical education.

Required Courses (60 credits)

IPEA 502	(0)	Patient-Centred Care in Action
IPEA 503	(0)	Managing Interprofessional Conflict

OCC1 501	(7)	Clinical Practicum 1
OCC1 502	(7)	Clinical Practicum 2
OCC1 503	(8)	Clinical Practicum 3
OCC1 600J1	(0)	Clinical Practicum Seminars
OCC1 600J2	(0)	Clinical Practicum Seminars
OCC1 600J3	(0)	Clinical Practicum Seminars
OCC1 602	(7)	Clinical Practicum 4
OCC1 617	(6)	Occupational Solutions 2
OCC1 618	(5)	Applied OT: Psychosocial Theory
OCC1 620	(3)	Work/Ergonomics
OCC1 622	(3)	Community-Based OT
OCC1 623	(3)	Assistive Technology
POTH 612	(4)	Applied Clinical Research Methods
POTH 624	(7)	Master's Project

Complementary Courses (3 credits)

3 credits chosen from the following courses offered by the School. With permission from the Academic Director, students may take courses offered at the 500 or 600 levels by other departments at McGill.

OCC1 625	(3)	Functional Environments
OCC1 626	(3)	Mental Health: Child and Youth
POTH 625D1*	(1.5)	Design of Assistive Technologies: Principles
POTH 625D2*	(1.5)	Design of Assistive Technologies: Principles
POTH 627	(3)	Enabling Eating, Drinking, and Swallowing
POTH 632	(3)	Research Elective
POTH 633	(3)	Function/Activity in Arthritis
POTH 634	(3)	Childhood Performance Issues
POTH 635	(3)	Enabling Upper Extremity Function
POTH 636	(3)	Physical Therapy in Pediatrics
POTH 637	(3)	Cancer Rehabilitation
POTH 638	(3)	Promoting Wellness of Seniors
POTH 640	(3)	Role-Emerging Management

*If selected, students must take both POTH 625D1 and POTH 625D2.

NOTE: Interprofessional Education Activities (IPEAs)

These required non-credit activities address the competencies for interprofessional practice across the health professions such as professional roles, communication, collaboration in patient-centered care, and conflict resolution. Students will be advised at the beginning of each term which activities they should register for.

14.14.1.10 Doctor of Philosophy (Ph.D.) Rehabilitation Science

The Ph.D. in Rehabilitation Science provides training and intensive experience in clinical research related to health and rehabilitation by asking the right questions through research design, analysis, interpretation and presentation of results. The program includes a comprehensive exam, research proposal, thesis and an oral defense.

Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with 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)

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
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Or 3 credits of advanced qualitative methodology to be chosen from the School course offerings or other courses at the 500, 600, or 700 level with permission from the Graduate Program Director.

Elective Courses (3-6 credits)

3-6 credits of School course offerings, at the 500, 600, or 700 level, that pertain to the student's area of specialization, to be chosen in consultation with the Graduate Program Director.

14.14.1.11 Graduate Certificate (Gr. Cert.) Driving Rehabilitation (15 credits)

For more information about online graduate certificates, including up-to-date information on course details and current professors contributing to the courses, see the McGill School of Physical and Occupational Therapy website at <http://www.mcgill.ca/spot/programs/online-graduate-certificates/driving-certificate>.

Required Courses (15 credits)

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.

14.14.1.12 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>.

For more information on the distance program please click here:

https://www.mcgill.ca/study/university_regulations_and_resources/graduate/gi_regulations_id_and_personal_information#booknode-61130

Required Courses (12 credits)

POTH 663	(3)	Pain Assessment in Clinical Practice
POTH 664	(3)	Neuroscience and Behavioural Perspectives of Pain

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 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.

15.7 Fellowships, Awards, and Assistantships

Please refer to [University Regulations & Resources > Graduate > section 1.5: Fellowships, Awards, and Assistantships](#) for information and contact information regarding fellowships, awards, and assistantships in Graduate and Postdoctoral Studies.

15.8 Postdoctoral Research

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The *Postdoctoral Research* section of this publication contains important details postdoctoral scholars will require during their studies at McGill and should be periodically consulted, along with other sections and related publications.

15.8.1 Postdocs

Postdocs are recent graduates with a Ph.D. or equivalent (i.e., Medical Specialist Diploma) engaged by a member of the University's academic staff, including Adjunct Professors, to assist 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.).

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](#).
- ii. Upon registration, postdocs will be eligible for a University identity card issued by Enrolment Services.
- iii. Leaves of absence must comply with the Graduate and Postdoctoral Studies Policies for Vacation, Parental/Familial, and Health Leave (see [section 2.8.3: Vacation Policy for Graduate Students and Postdocs](#) and [University Regulations & Resources](#) > Graduate > Regulations > Categories of Students > [section 1.2.8: Leave of Absence Status](#)).

3. Appointment, Funding, Letter of Agreement

- i. Postdoctoral appointments may not exceed the registration eligibility period as defined above.
- ii. In order to be registered, the postdoc must be assured of financial support other than from personal means during their stay at McGill University. This amount must be equivalent to the minimal stipend requirement set by the University in accordance with guidelines issued by federal and provincial research granting agencies or the collective agreement, as applicable. Funding during parental leave is subject to the conditions of the funding agency or the collective agreement, as applicable.
- iii. Postdocs require a [Letter of Agreement for Postdoctoral Education](#) signed by the postdoc, the supervisor, and the department/unit head or delegate.
- iv. Postdocs with full responsibility for teaching a course should be compensated over and above their postdoctoral funding as course lecturers. This applies to all postdocs, except those for whom teaching is part of the award.
- v. The amount of research, teaching, or other tasks that postdocs engage in over and above postdoctoral activities should conform to the regulations for postdocs specified by the Canadian research council of their discipline or the collective agreement. This applies to all postdocs, including those whose funding does not come from the Canadian research councils.

4. Privileges

- i. Postdocs have the same pertinent rights as the ones granted to McGill students under mcgill.ca/students/srr, and those granted by the policies listed at mcgill.ca/secretariat/policies-and-regulations.
- ii. Postdocs have full graduate student borrowing privileges in McGill libraries through their identity card.
- iii. As a general rule, postdocs may take courses for credit as Special Students following the admissions procedures outlined at mcgill.ca/gradapplicants/apply/prepare/visiting. [Tuition and other charges](#) will apply.
- iv. Postdocs may be listed in the McGill directory.
- v. Access to sports facilities may be purchased on a monthly basis through McGill Athletics and Recreation.
- vi. Postdoctoral Fellows and Scholars are mandatory members of the Post-Graduate Students' Society (PGSS) and an annual association fee is automatically charged.
- vii. Postdocs are permitted membership in the Faculty Club; an annual fee will be charged for this membership.
- viii. Postdocs are encouraged to participate in Professional Development Workshops provided by Graduate and Postdoctoral Studies, and Teaching and Learning services. These sessions are usually free of charge.
- ix. Postdocs have 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.

15.8.3 Vacation Policy for Postdocs

Please refer to the [section 1.2.9: Vacation Policy for Graduate Students and Postdocs](#).

15.8.4 Leave of Absence for Health and Parental/Familial Reasons

A leave of absence may be granted for maternity or parental reasons or for health reasons (see [University Regulations & Resources > Graduate > section 1.2.8: Leave of Absence Status](#)).

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."

15.8.5 Postdoctoral Research Trainees

Eligibility

If your situation does not conform to the Government of Quebec's definition of a Postdoctoral Fellow, you may be eligible to attend McGill as a Postdoctoral Research Trainee. While at McGill, you can perform research only (you may not register for courses or engage in clinical practice). Medical specialists who will have clinical exposure and require a training card must register through Postgraduate Medical Education of the Faculty of Medicine and Health Sciences—not Graduate and Postdoctoral Studies.

The category of Postdoctoral Research Trainee is for:

Category 1: An individual who has completed requirements for the Doctoral degree or medical specialty, but whose degree/certification has not yet been awarded. An individual in this category will subsequently be eligible for registration as a Postdoctoral Fellow.

Category 2: An individual who is not eligible for Postdoctoral Registration according to the Government of Quebec's definition, but is a recipient of an external postdoctoral award from a recognized Canadian funding agency.

Category 3: An individual who holds a professional degree (or equivalent) in a regulated health profession (as defined under CIHR-eligible health profession) and is enrolled in a program of postgraduate medical education at another institution. This individual wishes to conduct the research stage or elective component of their program of study at McGill University under the supervision of a McGill professor. This individual will be engaged in full-time research with well-defined objectives, responsibilities, and methods of reporting. Applications must be accompanied by a letter of permission from the applicant's home institution (signed by the Department Chair, Dean, or equivalent) confirming registration in their program and stating the expected duration of the research stage. Individuals who are expecting to spend more than one year are encouraged to obtain formal training (master's or Ph.D.) through application to a relevant graduate program.

Category 4: An individual with a regulated health professional degree (as defined under CIHR-eligible health profession), but not a Ph.D. or equivalent or medical specialty training, but who fulfils criteria for funding on a tri-council operating grant or by a CIHR fellowship (up to maximum of five years post-degree).



Note: Individuals who are not Canadian citizens or permanent residents must inquire about eligibility for a work permit.

General Conditions

- The maximum duration is three years
- The individual must be engaged in full-time research
- The individual must provide copies of official transcripts/diplomas
- The individual must have the approval of a McGill professor to supervise the research and of the Unit
- The individual must have adequate proficiency in English, but is not required to provide official proof of English competency to Enrolment Services
- The individual must comply with regulations and procedures governing research ethics and safety and obtain the necessary training
- The individual will be provided access to McGill libraries, email, and required training in research ethics and safety. Any other University services must be purchased (e.g., access to athletic facilities)
- The individual must arrange for basic health insurance coverage prior to arrival at McGill and may be required to provide proof of coverage

15.9 Graduate Studies Guidelines and Policies

Refer to [University Regulations & Resources](#) > [Graduate](#) > [section 1.2: Guidelines and Policies](#) for information on the following:

- Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision
- Policy on Graduate Student Research Progress Tracking
- Ph.D. Comprehensives Policy
- Graduate Studies Reread Policy
- Failure Policy
- Guideline on Hours of Work

15.10 Graduate Student Services and Information

Graduate students are encouraged to refer to [section 1.7: Student Services and Information](#) for information on the following topics:

- Service Point
- Student Rights & 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

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 have close ties with other departments, schools, and centres, including the Chemistry, and Mathematics and Statistics Departments; the *Bieler School of Environment*; *ArcticNet*; and *Quebec Ocean*. Facilities include the McGill Atmospheric Profiling Observatory, as well as state-of-the-art field and laboratory equipment for atmospheric chemistry. Graduate students have access to computers, ranging from desktop PCs to the massive parallel machines available to us through Compute Canada. In some cases, M.Sc. and Ph.D. research may include a field component. Most students also participate in national and international conferences.

Financial assistance in the form of research stipends is available for all qualified graduate students. Additional financial support is provided in the form of teaching assistantships, subject to availability and eligibility constraints.

section 15.12.1.5: Master of Science (M.Sc.) Atmospheric and Oceanic Sciences (Thesis) (45 credits)

Our program applies mathematics, physics, computing, and sometimes chemistry to study the atmosphere and/or oceans. The ideal student would therefore have a strong quantitative background in one or more of these fields. Although some of our students have undergraduate knowledge of meteorology or physical oceanography, such background is not necessary to succeed in the program. McGill offers the only program in Canada that includes both atmospheric and oceanic sciences. Students benefit from a high professor-to-student ratio and access to state-of-the-art computing, remote sensing, and atmospheric chemistry laboratory equipment. The Department also has close ties with Environment & Climate Change Canada's numerical weather prediction centre in Dorval, Quebec.

Our program allows considerable flexibility as to the choice of research topics, and gives students both a strong classroom knowledge of the subject as well as the opportunity to choose from a variety of thesis research projects. Students who do not choose to continue in academia find employment in a variety of areas and places; for example, working with Environment & Climate Change Canada as research associates or weather forecasters.

section 15.12.1.6: Doctor of Philosophy (Ph.D.) Atmospheric and Oceanic Sciences

Our program applies mathematics, physics, computing, and sometimes chemistry to study the atmosphere and/or oceans. The ideal student would therefore have a strong quantitative background in one or more of these fields. Although some of our students have undergraduate knowledge of meteorology or physical oceanography, such background is not necessary to succeed in the program. McGill offers the only program in Canada that includes both atmospheric and oceanic sciences. Students benefit from a high professor-to-student ratio and access to state-of-the-art computing, remote sensing, and atmospheric chemistry laboratory equipment. The Department also has close ties with Environment & Climate Change Canada's numerical weather prediction centre in Dorval, Quebec. Students who do not choose to continue in academia find employment in a variety of areas including research careers at government labs such as Environment & Climate Change Canada.

section 15.12.1.7: Doctor of Philosophy (Ph.D.) Atmospheric and Oceanic Sciences: Environment

This program is not offered in 2022-2023.

The Ph.D. in Atmospheric and Oceanic Sciences: 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. The Environment option builds on the same program and a similar undergraduate background as described under Doctor of Philosophy (Ph.D.) Atmospheric and Oceanic Sciences. In addition, the Environment option includes required courses from Atmospheric and Oceanic Sciences and from Environment, as well as complementary courses in Atmospheric and Oceanic Sciences and in Environment.

Prospective Environment Option students must apply for admission to both Atmospheric and Oceanic Sciences and the School of Environment and must meet the entrance requirements of both. Acceptability into the Environment option will be based on academic experience and performance, availability of a supervisor or co-supervisor, the proposed research, and plans for funding as articulated by the supervisor(s). This option is not available to students entering at the PhD 1 level, but can be chosen in subsequent years.

15.12.1.3 Atmospheric and Oceanic Sciences Admission Requirements and Application Procedures

15.12.1.3.1 Admission Requirements

Applicants to the M.Sc. program must meet the general requirements of Graduate and Postdoctoral Studies and hold a bachelor's degree with high standing in atmospheric science, oceanic science, physics, mathematics, engineering, chemistry, or a similar field.

Applicants to the Ph.D. program would normally have a strong background in meteorology, physical oceanography, or related disciplines such as mathematics, physics, chemistry, and engineering. Many students will have an M.Sc. degree in one of these fields, although this is not a formal requirement. All Ph.D. students are required to take at least two courses in atmospheric and oceanic sciences. Students entering without a master's degree or without a sufficient background in atmospheric and oceanic sciences are admitted at the Ph.D. 1 level and are required to take an additional five courses in atmospheric and oceanic science, these usually being completed in the first two semesters.

Prospective Environment Option students must apply for admission to both Atmospheric and Oceanic Sciences and the School of Environment and must meet the entrance requirements of both (see also information here: mcgill.ca/environment/envroption). Acceptability into the Environment option will be

based on academic experience and performance, availability of a supervisor or co-supervisor, the proposed research, and plans for funding as articulated by the supervisor(s). This option is not available to students entering at the PhD 1 level, but can be chosen in subsequent years.

Inquiries should be addressed directly to the [Student Affairs Coordinator](#), Department of Atmospheric and Oceanic Sciences; see the [department's website](#) for more information.

English Language Proficiency

For graduate applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized Canadian or American (English or French) institution or from a recognised 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

15.12.1.3.2 Application Procedures

McGill's online application form for graduate program candidates is available at mcgill.ca/gradapplicants/how-apply.

See [University Regulations & Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.3: Application Procedures](#) for detailed application procedures.

15.12.1.3.2.1 Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Acceptance by a research supervisor – required for Ph.D. program

15.12.1.3.3 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Atmospheric and Oceanic Sciences 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: (M.Sc. and Ph.D.)	Sept. 15	Feb. 28	Feb. 28	Feb. 28
Winter Term: (Ph.D. only)	Feb. 15	Jul. 15	Sept. 1	TBA but no later than 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.

15.12.1.4 Atmospheric and Oceanic Sciences Faculty

Chair

D. Kirshbaum

Emeritus Professors

P. Bartello (*joint appt. with Mathematics and Statistics*); J.F. Derome; H.G. Leighton; L.A. Mysak; M.K. Yau; I. Zawadzki.

Professors

P. Ariya (*joint appt. with Chemistry*); J.R. Gyakum; B. Tremblay.

Associate Professors

F. Fabry (*joint appt. with Bieler School of Environment*); Y. Huang; D. Kirshbaum; T. Preston (*joint appt. with Chemistry*); D. Straub; A. Zuend.

Assistant Professors

C. Dufour; D. Romanic; I. Tan.

Adjunct Professors

L. Barrie; M. Buehner; P. Kollias; H. Lin; L.-P. Nadeau.

15.12.1.5 Master of Science (M.Sc.) Atmospheric and Oceanic Sciences (Thesis) (45 credits)

The M.Sc. degree requires a minimum of 45 credits, up to a maximum of 51 credits. The program includes from 9 to 27 credits of coursework (depending on the student's background).

Thesis Courses (24 credits)

ATOC 691	(3)	Master's Thesis Literature Review
ATOC 692	(6)	Master's Thesis Research 1
ATOC 694	(3)	Master's Thesis Progress Report and Seminar
ATOC 699	(12)	Master's Thesis

Although registration is not required, students registered in M.Sc. programs are expected to regularly attend one of the student seminar series (ATOC 751D1/D2 or ATOC 752D1/D2) and the Department seminar series during the entire period of their enrolment in the program.

Complementary Courses (21 credits)

Must complete or have completed the following courses or equivalent:

ATOC 512	(3)	Atmospheric and Oceanic Dynamics
ATOC 513	(3)	Waves and Stability
ATOC 515	(3)	Turbulence in Atmosphere and Oceans
ATOC 519*	(3)	Advances in Chemistry of Atmosphere
ATOC 521	(3)	Cloud Physics
ATOC 525	(3)	Atmospheric Radiation
ATOC 531	(3)	Dynamics of Current Climates
ATOC 540	(3)	Synoptic Meteorology 1
ATOC 541	(3)	Synoptic Meteorology 2
ATOC 548	(3)	Mesoscale Meteorology
ATOC 568	(3)	Ocean Physics
ATOC 626	(3)	Atmospheric/Oceanic Remote Sensing
CHEM 519*	(3)	Advances in Chemistry of Atmosphere

* Students may select either ATOC 519 or CHEM 519.

Or other courses at the 500 level or higher recommended by the Department's Graduate Program Director.

Students with a strong background in atmospheric or oceanic science, or a Diploma in Meteorology, will take at least the 7-credit minimum. Students with no previous background in atmospheric or oceanic science must take the 20-credit maximum.

15.12.1.6 Doctor of Philosophy (Ph.D.) Atmospheric and Oceanic Sciences**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

(1 credit)

ATOC 700	(1)	Ph.D. Proposal Seminar
ATOC 701	(0)	Ph.D. Comprehensive (General)

Complementary Courses (7 credits)

Students are required to take ATOC 751D1 and ATOC 751D2 OR ATOC 752D1 and ATOC 752D2.

1 credit from:

ATOC 751D1	(.5)	Seminar: Physical Meteorology
ATOC 751D2	(.5)	Seminar: Physical Meteorology
ATOC 752D1	(.5)	Atmospheric, Oceanic and Climate Dynamics
ATOC 752D2	(.5)	Atmospheric, Oceanic and Climate Dynamics

And 6 credits from the Department of Atmospheric and Oceanic Sciences, at the 500 or 600 level, as approved by the Graduate Program Director.

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
Telephone: 514-398-5478
Fax: 514-398-5069
Email: ancil.gittens@mcgill.ca
Website: mcgill.ca/biology

15.12.2.2 About Biology

The M.Sc. and Ph.D. graduate training programs in the Department of Biology are focused on excellence in research across all scales of the biological world, from molecules to cells, from cells to organisms, and from organisms to ecosystems. Our research is highly interdisciplinary, and so are our trainees and faculty members. Besides doing cutting-edge research, our graduate trainees acquire professional skills, including writing and communication, which are essential for careers inside and outside of academia. McGill Biology graduate students enjoy a rigorous training program with the goal of becoming successful research scientists. A graduate degree in Biology prepares students for a wide range of careers. Alumni have gone on to pursue careers in academia and beyond, including researchers in industry, wildlife biologists, forensic technologists, and science policy advisors, to name a few.

Graduate students choose a project in one of the department's three main research focus areas:

- [Conservation, Ecology, Evolution and Behaviour](#)
- [Molecular, Cellular and Developmental Biology](#)
- [Neurobiology and Behaviour](#)

In addition to the regular M.Sc. and Ph.D. programs, the Biology Department offers specialized program options in Environment and Neotropical Environment (NEO) (see below).

Both the M.Sc. and Ph.D. are research-intensive degrees, and the emphasis in both programs is on developing the intellectual and technical skills necessary for independent research. The main component of both degrees is a thesis presenting the results of this work in the form of a student's original contribution to scientific knowledge. Formal coursework includes a two-course sequence on research and professional skills, and one to two topical courses, usually in the form of literature-based seminars. To complement their classroom and research training, students regularly attend seminar series and journal clubs, and present their own work annually in a formal seminar.

The Department of Biology is embedded in an outstanding and collaborative research environment with access to state-of-the-art infrastructure in the Stewart Biology Building and Bellini Life Science Complex, as well as excellent field facilities in Canada and abroad. Affiliated centres and field stations include:

- [McGill University Phytotron](#)
- [Redpath Museum](#)
- [Integrated Quantitative Biology Initiative \(IQBI\)](#)
- [Advanced BioImaging Facility \(ABIF\)](#)
- [Gault Nature Reserve](#) at Mont St. Hilaire (Quebec)
- [Penfield Nature Conservancy](#) on Lake Memphrémagog (Quebec)
- [McGill Subarctic Research Station](#) at Schefferville (Quebec)
- [Bellairs Research Institute](#) (Barbados)
- [Smithsonian Tropical Research Institute \(STRI\)](#) (Panama)

The Department of Biology offers financial support to both Canadian and international students. Funding packages include a stipend to offset living expenses and a tuition and fees subsidy. For more information on graduate student funding in Biology, please visit [Biology > Graduate Studies > Current Graduate Students > Graduate Funding](#).

[section 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,

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* 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.

section 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.

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 15.12.2.9: Doctor of Philosophy (Ph.D.) Biology: Environment

The Ph.D. in Biology - *Environment option* is coordinated by the *Bieler School of Environment (BSE)* in partnership with the Biology Department, among several other departments. As a complement to the unit's expertise, the program considers how various dimensions (scientific, social, legal, ethical, etc.) 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 15.12.2.10: Doctor of Philosophy (Ph.D.) Biology: Neotropical Environment

The McGill-STRI *Neotropical Environment Option (NEO)* is a research-based program in which students work under the supervision of researchers from McGill and/or the *Smithsonian Tropical Research Institute (STRI)*. Aimed at students who wish to focus their graduate research on environmental issues relevant to the Neotropics and Latin American countries, the 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 the NEO's core and complementary courses will be taught in Panama.

15.12.2.3 Biology Admission Requirements and Application Procedures**15.12.2.3.1 Admission Requirements**

Admission is based on evaluation by the Graduate Training Committee and acceptance by a faculty member within the department who agrees to supervise and fund the applicant. Before applying to Graduate Studies in Biology, students should contact faculty members with whom they wish to study to see if they are accepting new students (see [Faculty Member Profiles](#)).

Prospective Biology graduate students will have a strong background in the biological sciences, often with specific strengths in their proposed area of study. To encourage interdisciplinary work, the program may also accept students with a high scholastic standing in fields other than biology (medicine, engineering, chemistry, physics, etc.).

The minimum Cumulative Grade Point Average (CGPA) is 3.0/4.0, or a Grade Point Average (GPA) of 3.2/4.0 in the last two years of full-time studies. B.Sc. students who wish to apply directly to Ph.D1 must have a minimum CGPA of 3.5/4.

The Test of English as a Foreign Language (*TOEFL*) is required of applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized

Canadian institution (anglophone or francophone). A score of 86 on the TOEFL Internet-based test (iBT) with each component score not less than 20, or 6.5 on *IELTS* is the minimum standard for admission.

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 application process, required documents, summaries of faculty research areas, and contact information.

See [University Regulations & Resources > Graduate > Graduate Admissions and Application Procedures > section 1.4.3: Application Procedures](#) for detailed application procedures.

15.12.2.3.3 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 Biology Department and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program.

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	Mar. 15	Mar. 15
Winter Term:	Feb. 15	Aug. 15	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. All inquiries pertaining to admission procedures should be directed to the Graduate Admissions Coordinator, [Ancil Gittens](#).



Note: Applications for Summer term admission will not be considered.

15.12.2.4 Biology Faculty

Chair

Gregor Fussmann

Graduate Program Director

Frédéric Guichard

Tamara Western: *Acting GPD*

Fiona Soper: *Acting Vice-GPD*

Emeritus Professors

Gregory G. Brown; A. Howard Bussey; Robert L. Carroll, *in memoriam*; Ronald Chase; Rajinder S. Dhindsa; Jacob Kalff; Donald L. Kramer; Martin J. Lechowicz; Louis Lefebvre; Barid B. Mukherjee; Gerald S. Pollack; Ronald Poole; Derek Roff; Rolf Sattler.

Professors

Ehab Abouheif; Graham A.C. Bell; Lauren Chapman; Melania Cristescu; Gregor Fussmann; Andrew Gonzalez; Irene Gregory-Eaves; Frédéric Guichard; Siegfried Hekimi; Andrew Hendry, *joint appt. with Redpath Museum*; Paul F. Lasko; Laura Nilson; Catherine Potvin; Neil M. Price; Richard Roy; Daniel J. Schoen.

Associate Professors

Gary Brouhard; Thomas E. Bureau; David Dankort; Joseph A. Dent; Paul Harrison; Michael Hendricks; Brian Leung; Nam-Sung Moon; Simon Reader; Rodrigo Reyes-Lamothe, *on sabbatical*; Jon Sakata; Frieder Schoeck; Jacalyn Vogel; Alanna Watt; Tamara Western; Sarah Woolley; Monique Zetka; Hugo Zheng.

Assistant Professors

Abigail Gerhold; Mélanie Guigueno; Anna Hargreaves; Arnold Hayer; Tomoko Ohyama; Lars Iversen; Laura Pollock; Fiona Soper; Jennifer Sunday; Stephanie C. Weber.

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, (2) conservation, ecology and evolution, and (3) neurobiology and behaviour. This program allows students considerable flexibility in their choice of research and coursework and encourages cross-disciplinary thinking.

Required Courses (39 credits)

BIOL 697	(13)	Master's Thesis Research 1
BIOL 698	(13)	Master's Thesis Research 2
BIOL 699	(13)	Master's Thesis Research 3

Complementary Courses (6 credits)

3 credits from the following [choose BIOL 601 and either BIOL 602 or BIOL 603]:

BIOL 601	(1.5)	Introduction to Graduate Studies in Biology
BIOL 602	(1.5)	Molecular Biology Research and Professional Skills
BIOL 603	(1.5)	Organismal Biology Research and Professional Skills

*Or 3 credits at the 500 level or higher with the approval of the Graduate Program Director.

3 credits at the 500, 600, or 700 level in Biology or other departments, and approved by the Supervisory Committee.

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. As a complement to the unit's expertise, the program considers how various dimensions (scientific, social, legal, ethical) interact to define environment and sustainability issues.

Thesis Courses (36 credits)

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 (3 credits)

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 manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

Required Courses (6 credits)

BIOL 700	(0)	Doctoral Qualifying Examination
BIOL 702	(6)	Ph.D. Seminar

Complementary Courses (9 credits)

3 credits from the following [choose BIOL 601 and either BIOL 602 or BIOL 603]:

BIOL 601	(1.5)	Introduction to Graduate Studies in Biology
BIOL 602	(1.5)	Molecular Biology Research and Professional Skills
BIOL 603	(1.5)	Organismal Biology Research and Professional Skills

*Or 3 credits at the 500 level or higher with the approval of the Graduate Program Director.

6 credits at the 500, 600, or 700 level in Biology or other departments, and approved by the Supervisory Committee

15.12.2.9 Doctor of Philosophy (Ph.D.) Biology: Environment

The Ph.D. in Biology- Environment Option is a research program offered with the Bieler School of Environment and other academic units at McGill. As a complement to the unit's expertise, the program considers how various dimensions (scientific, social, legal, ethical) interact to define environment and sustainability issues.

Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

Required Courses (9 credits)

BIOL 700	(0)	Doctoral Qualifying Examination
BIOL 702	(6)	Ph.D. Seminar
ENVR 615	(3)	Interdisciplinary Approach Environment and Sustainability

Complementary Courses (6 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.

15.12.2.10 Doctor of Philosophy (Ph.D.) Biology: Neotropical Environment

Participation in the MSE-Panama Symposium presentation in Montreal is also required.

Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

Required Courses (12 credits)

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 chemistry of the regional and global atmosphere. Our collective research has direct implications in fields such as materials, environmental, and biomedical chemistry.

Chemical Biology

The Chemical Biology Thematic Research Group is engaged in a diverse range of research topics, which span structural biology, enzymology, nucleic acid research, signalling pathways, single-molecule biophysics, and biophysical chemistry of living tissues. Among the themes that unite the research being performed in this group is the attempt to learn new chemistry and physics from biological systems.

We have projects relating to pharmaceutically relevant enzymes such as those involved in drug metabolism and antibiotic resistance; development of therapeutic agents in the control of inflammation, cancer and viral infections; the chemical biology of NO; quantification of bioenergetic markers of metabolism; self-assembly mechanisms of the HIV-1 virion capsid; liposome microarray systems to address membrane protein dynamics and recognition; studies on reactive oxygen species translocation across the aqueous/lipid membrane interface; RNAi/antisense technologies; dynamic combinatorial chemistry; protein dynamics and function; mechanistic aspects involved in cellular adhesion and transport in membrane and zeolite channels; and cutting-edge microscopes used to examine transport, motility, and reactivity in cells.

Chemical Physics

The research interests of the members of the Chemical Physics Thematic Research Group are diverse, with groups focusing on high-end laser and NMR spectroscopies, kinetics and modelling of atmospheric chemical reactions, experimental and theoretical biophysical chemistry, polymers at interfaces, and statistical and quantum mechanics. In the field of biophysical chemistry, single molecule spectroscopy is being used to probe enzyme function as well as DNA recombination and repair. Our recent advances in image correlation spectroscopic techniques now allow researchers to precisely follow the macromolecular dynamics in living cells. In a similar vein, breakthrough ultra-fast electron diffraction experiments have opened the window to real-time observation of the making and breaking of chemical bonds. State-of-the-art multi-pulse femtosecond spectroscopy experiments are being applied to interesting and technologically important new materials such as photonic crystals and quantum dot superlattices. A molecular-level picture of polymer dynamics and structure at surfaces and interfaces is being developed through theoretical modelling, high-field solids NMR spectroscopy, electron microscopy, and other surface characterization methods. In the area of atmospheric chemistry, the chemical transformation of the atmosphere is being modelled both experimentally and theoretically to understand how these processes are currently affecting and driving climate change. Finally, we have basic theory projects relating to the experimental work

just described, as well as in transport and structure in complex colloidal or zeolite systems, protein dynamics, and fundamental issues in quantum and statistical mechanics.

Materials Chemistry

The chemistry of materials is a rapidly evolving domain of research. Materials chemistry seeks to understand how composition, reactivity, and structure are related to function from a molecular perspective. The functionality of materials is expressed in a variety of areas including photonics, micro- and nano-electronics, biosystems, nanotechnology, drug delivery, catalysis, polymer science, molecular biology, and chemical and biological sensing. Activities of the Materials Chemistry Thematic Research Group are often broadly interdisciplinary. University-wide synergies among members of this group have led to the creation of the [McGill Institute for Advanced Materials](#) (MIAM) and the [McGill Nanotools Facility](#). The latter comprises state-of-the-art **micro/nanofabrication**, atomic manipulation and high-performance computing facilities. MIAM and members of the Chemistry Department have established research links to the [Quebec Centre for Advanced Materials](#), the Centre for Biorecognition and Biosensors, the [Centre for the Physics of Materials](#), and the [Centre for Bone and Periodontal Research](#). Synthetic approaches to new materials include research in dendrimers, polynucleic acid architectures, polymers that conduct electrons or light and biopolymers. Polymer and colloid science figure prominently as does research and applications of the chemistry and physical properties of nanostructures. There is significant activity in understanding directed molecular assembly at interfaces and in the application of sophisticated spectroscopic tools to explore them.

Synthesis/Catalysis

The Synthesis/Catalysis Research Activity Group is a collective that develops state-of-art catalysts, synthetic methodologies, reaction mechanisms, and synthetic routes for organic chemicals, natural products, and materials. The collective's major research activities at McGill include: (1) Development of novel catalysts and catalytic reactions for highly efficient organic synthesis; Green Chemistry. This includes the study and discovery of novel transition-metal catalysts, biological catalysts, nano- and dendrimer-based catalysts for synthetic purposes; new chemical reactivity such as C-H activation, asymmetric catalysis and theory, multi-component reactions and combinatorial chemistry; innovative chemistry in alternative solvents such as water, sub-critical water, ionic liquids, and liquid CO₂; photocatalytic reactions, reaction mechanisms, and physical organic chemistry; and computational chemistry. (2) Synthesis of biological compounds, organic materials, and natural products. Focus areas are total synthesis of natural products, synthesis of DNA and RNA analogues; synthesis of antiviral and anticancer nucleoside analogues, synthesis of amino acid and peptides; synthesis and study of carbohydrate derivatives; design, synthesis, and study of specialty organic chemical and materials.

section 15.12.3.5: Master of Science (M.Sc.) Chemistry (Thesis) (45 credits)

Please consult the Department for more information about this program.

section 15.12.3.6: Doctor of Philosophy (Ph.D.) Chemistry

Please consult the Department for more information about this program.

15.12.3.3 Chemistry Admission Requirements and Application Procedures

15.12.3.3.1 Admission Requirements

The minimum academic standard for admission to research thesis degree programs is a minimum standing equivalent to a cumulative grade point average (CGPA) of 3.0 out of a possible 4.0 or a GPA of 3.2/4.0 for the last two full-time academic years. Applicants from other institutions should have an academic background equivalent to that of a McGill graduate in the Chemistry Honours/Major programs. If possible, candidates should specify the field of research in which they are interested.

15.12.3.3.2 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.

FINANCIAL ASSISTANCE

M.Sc. and Ph.D. Degrees

Graduate students devote 12 hours per week (contact hours, plus grading of reports, etc.) during the academic session to their teaching duties. Financial assistance during the remainder of the year is provided from research funds. Scholarship holders, such as NSERC or awards of similar value, receive a tuition fee waiver.

15.12.3.3.2.1 Additional Requirements

- GRE – may be required for international degrees

15.12.3.3.3 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 Chemistry and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program.

	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)

CHEM 650	(1)	Seminars in Chemistry 1
CHEM 651	(1)	Seminars in Chemistry 2
CHEM 688	(3)	Progress Assessment 1

Complementary Courses

(9-16 credits)

Students will normally take 9-16 credits of CHEM (or approved) courses at the 500 or 600 level.

15.12.3.6 Doctor of Philosophy (Ph.D.) Chemistry

Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

Required Courses

CHEM 650	(1)	Seminars in Chemistry 1
CHEM 651	(1)	Seminars in Chemistry 2
CHEM 688	(3)	Progress Assessment 1
CHEM 701	(0)	Comprehensive Examination
CHEM 702	(0)	Progress Assessment 2

Complementary Courses

Students entering the program with an M.Sc. degree will normally take three (3) graduate-level courses. Students entering without an M.Sc. degree will normally take five (5) graduate-level courses.

Students may be required to take advanced undergraduate courses if background deficient.

15.12.4 Computer Science

15.12.4.1 Location

School of Computer Science
 McConnell Engineering, Room 318
 3480 University Street
 Montreal QC H3A 0E9
 Canada
 Telephone: 514-398-7071, ext. 00074
 Fax: 514-398-3883
 Email: grad.cs@mcgill.ca
 Website: cs.mcgill.ca

15.12.4.2 About Computer Science

The School of Computer Science is one of the leading teaching and research centres for computer science in Canada. We offer several **M.Sc.** programs and a **Ph.D.** program; all include coursework and research. In the basic M.Sc. programs, students must choose between the thesis option, and the non-thesis option, which requires a project. The Ph.D. and M.Sc. programs both include an option in bioinformatics. Students are normally funded by their adviser's

research grants; in the case of scholarship students, this typically takes the form of a 'top-up' to the scholarship. Research in the School covers a broad range of areas, including:

- **Theory:** algorithms, combinatorial optimization, computational geometry, cryptography, graph theory, logic and computation, programming languages, quantum computing, theory of computation, and scientific computing;
- **Systems:** compilers, computer games, distributed systems, embedded and real-time systems, modelling and simulations, networks, and software engineering;
- **Applications:** bioinformatics, machine learning, robotics, computer animation, graphics, and vision.

All students must consult the [graduate program website](#), where up-to-date information about the graduate programs is posted. Any questions concerning programs should be addressed to the [Graduate Program Coordinator](#).

section 15.12.4.5: Master of Science (M.Sc.) Computer Science (Thesis) (45 credits)

This program is designed for students with a strong interest in research in computer science who hold at least the equivalent of an undergraduate minor in CS. This program combines a strong course component with a research thesis. It is the usual (but not mandatory) entry point for students who wish to do a Ph.D., but is also the program of choice for students who want to find challenging and exciting jobs after their master's.

section 15.12.4.6: Master of Science (M.Sc.) Computer Science (Thesis): Bioinformatics (45 credits)

Bioinformatics research lies at the intersection of biological/medical sciences and mathematics/computer science/engineering. The intention of the Bioinformatics option is to train students to become researchers in this interdisciplinary field. This includes the development of strategies for experimental design, the construction of tools to analyze datasets, the application of modelling techniques, the creation of tools for manipulating bioinformatics data, the integration of biological databases, and the use of algorithms and statistics.

section 15.12.4.7: Master of Science (M.Sc.) Computer Science (Non-Thesis) (45 credits)

This program is designed for students who want to obtain broad knowledge of advanced topics in computer science but without the requirement of a thesis. It offers an excellent preparation for the job market, but is not recommended for students interested in eventually pursuing a Ph.D.

section 15.12.4.8: Doctor of Philosophy (Ph.D.) Computer Science

The Ph.D. program trains students to become strong, independent researchers in the field of their choice. Our graduates take challenging positions in industry or take academic positions at universities and research labs. In order to apply to the Ph.D. program, applicants should normally hold a master's degree in Computer Science or a closely related area, from a well-recognized university, but exceptional students can be admitted to the Ph.D. program directly without a master's degree.

section 15.12.4.9: Doctor of Philosophy (Ph.D.) Computer Science: Bioinformatics

Bioinformatics research lies at the intersection of biological/medical sciences and mathematics/computer science/engineering. The intention of the Bioinformatics option is to train students to become researchers in this interdisciplinary field. This includes the development of strategies for experimental design, the construction of tools to analyze datasets, the application of modelling techniques, the creation of tools for manipulating bioinformatics data, the integration of biological databases and the use of algorithms and statistics.

15.12.4.3 Computer Science Admission Requirements and Application Procedures

15.12.4.3.1 Admission Requirements

Master of Science (M.Sc.)

The minimum requirement for admission is a bachelor's degree (cumulative grade point average (CGPA) of 3.2 out of 4.0 or better, or equivalent) with the coursework in Computer Science as listed on our [website](#). The website supplements the information in this publication, and should be consulted by all graduate students.

Ph.D.

In order to apply to the Ph.D. program, applicants should hold an M.Sc. degree in Computer Science or a closely related area, from a well-recognized university. Students who hold a B.Sc. degree in Computer Science but have an exceptionally strong academic record may be admitted directly to the Ph.D. program, but they must initially apply to the M.Sc. program. Students who are in the M.Sc. program have the option to be fast-tracked into the Ph.D. program at the end of their first academic year, contingent on excellent performance as judged by the Ph.D. committee.

15.12.4.3.2 Application Procedures

McGill's online application form for graduate program candidates is available at mcgill.ca/gradapplicants/apply.

See [University Regulations & Resources](#) > [Graduate](#) > [Graduate Admissions and Application Procedures](#) > [section 1.4.3: Application Procedures](#) for detailed application procedures.

15.12.4.3.2.1 Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Curriculum Vitae – required for both M.Sc. and Ph.D. programs
- Statement of Purpose – required for both M.Sc. and Ph.D. programs
- *Graduate Record Examination* (GRE General Test) – 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](#).

15.12.4.3 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the School of Computer Science and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program.

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	N/A	Dec. 15 (Int'l) and Feb. 15 (Canadian)	Dec. 15 (Int'l) and Feb. 15 (Canadian)
Winter Term: (*Ph.D. only)	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.

For further details on our admission requirements, please visit our website at www.cs.mcgill.ca/academic/graduate/admission.



Scholarship Deadlines: December 15 for applicants who wish to be considered for scholarship awards; otherwise, December 15 for International and February 15 for Canadian students for admission to the Fall term.

15.12.4.4 Computer Science Faculty

Director

M. Blanchette

Emeritus Professors

D. Avis; R. De Mori; T.H. Merrett; M.M. Newborn; C. Paige; D. Thérien; C. Tropper.

Professors (Post-Retirement)

N. Friedman; C. Tropper; G.F.G. Ratzer.

Professors

L. Devroye; G. Dudek; X. Liu; P. Panangaden; B. Pientka; B. Reed; M. Robillard; K. Siddiqi; A. Vetta.

Associate Professors

M. Blanchette; X.-W. Chang; J. Cheung; C. Crépeau; C. Dubach; H. Hatami; B. Kemme; J. Kienzle; P. Kry; M. Langer; M. Maheswaran; D. Meger; J. Pineau; D. Precup; D. Ruths; C. Verbrugge; J. Waldispuhl.

Assistant Professors

O. Balmau; J. Guo; Y.Li; H.C. Lin; E. Patitsas; R. Rabbany; M. Ravanbakhsh; S. Reddy; B. Richards; R. Robere; D. Rolnick; X. Si.

Faculty Lecturers

G. Alberini; D. Beccerra; J. D'Silva; J. Vybihal.

Associate Members

L. Addario-Berry (*Math & Stats*); S. Baillet (*Neurology and Neurosurgery*); P. Bashivan (*Physiology*); D. Bzdok (*Biological and Biomedical Engineering*); L. Collins (*Neurology and Neurosurgery*); B. Fung (*Information Studies*); S. Gravel (*Human Genetics*); D. Nowrouzezahrai (*Electrical and Computer Engineering*); T. O'Donnell (*Linguistics*); P. Savadjiev (*Diagnostic Radiology*); D. Schlimm (*History and Philosophy of Mathematics*); M. Sonderegger (*Linguistics*); T. Shultz (*Psychology*); Y. Yang (*Mathematics and Statistics*).

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
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
COMP 561	(4)	Computational Biology Methods and Research
COMP 564	(3)	Advanced Computational Biology Methods and Research
COMP 565	(4)	Machine Learning in Genomics and Healthcare
COMP 579	(4)	Reinforcement Learning
COMP 585	(4)	Intelligent Software Systems
COMP 588	(4)	Probabilistic Graphical Models
COMP 618	(3)	Bioinformatics: Functional Genomics
COMP 652	(4)	Machine Learning
COMP 654	(4)	Graph Representation Learning
COMP 680	(4)	Mining Biological Sequences
COMP 766	(4)	Advanced Topics Applications 1
COMP 767	(4)	Advanced Topics: Applications 2

15.12.4.6 Master of Science (M.Sc.) Computer Science (Thesis): Bioinformatics (45 credits)**Thesis Courses (24 credits)**

22 credits selected from:

COMP 691	(3)	Thesis Research 1
COMP 696	(3)	Thesis Research 2
COMP 697	(4)	Thesis Research 3
COMP 698	(10)	Thesis Research 4
COMP 699	(12)	Thesis Research 5

Required Courses (3 credits)

COMP 616D1	(1.5)	Bioinformatics Seminar
COMP 616D2	(1.5)	Bioinformatics Seminar

Required Course

COMP 601	(2)	Thesis Literature Review
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Complementary Courses (18 credits)

6 credits chosen from the following courses:

BINF 621	(3)	Bioinformatics: Molecular Biology
BMDE 652	(3)	Bioinformatics: Proteomics
BTEC 555	(3)	Structural Bioinformatics
COMP 618	(3)	Bioinformatics: Functional Genomics
PHGY 603	(3)	Systems Biology and Biophysics

12 credits of 4-credit courses chosen from 500-, 600-, or 700-level Computer Science courses in consultation with the candidate's supervisor.

Note: Students with an appropriate background can substitute 4 credits by COMP 697.

15.12.4.7 Master of Science (M.Sc.) Computer Science (Non-Thesis) (45 credits)**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
COMP 561	(4)	Computational Biology Methods and Research
COMP 564	(3)	Advanced Computational Biology Methods and Research
COMP 565	(4)	Machine Learning in Genomics and Healthcare
COMP 579	(4)	Reinforcement Learning
COMP 585	(4)	Intelligent Software Systems
COMP 588	(4)	Probabilistic Graphical Models
COMP 618	(3)	Bioinformatics: Functional Genomics
COMP 652	(4)	Machine Learning
COMP 654	(4)	Graph Representation Learning
COMP 680	(4)	Mining Biological Sequences
COMP 766	(4)	Advanced Topics Applications 1
COMP 767	(4)	Advanced Topics: Applications 2

15.12.4.8 Doctor of Philosophy (Ph.D.) Computer Science

Required coursework: Students must take eight graduate courses, of which at least five are computer science courses. These courses should be chosen by the student in consultation with the supervisor (or co-supervisor) and the Progress Committee.

Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

Required Courses

COMP 700	(0)	Ph.D. Comprehensive Examination
COMP 701	(3)	Thesis Proposal and Area Examination

Complementary Courses

18-24 credits selected from:

Category A: Theory and Applications

COMP 523	(3)	Language-based Security
COMP 525	(3)	Formal Verification
COMP 531	(3)	Advanced Theory of Computation
COMP 540	(4)	Matrix Computations
COMP 547	(4)	Cryptography and Data Security
COMP 549	(3)	Brain-Inspired Artificial Intelligence
COMP 552	(4)	Combinatorial Optimization
COMP 554	(4)	Approximation Algorithms
COMP 561	(4)	Computational Biology Methods and Research
COMP 562	(4)	Theory of Machine Learning

COMP 564	(3)	Advanced Computational Biology Methods and Research
COMP 565	(4)	Machine Learning in Genomics and Healthcare
COMP 566	(3)	Discrete Optimization 1
COMP 567	(3)	Discrete Optimization 2
COMP 588	(4)	Probabilistic Graphical Models
COMP 598	(3)	Topics in Computer Science 1
COMP 599	(4)	Topics in Computer Science 2
COMP 610	(4)	Information Structures 1
COMP 611	(4)	Mathematical Tools for Computer Science
COMP 618	(3)	Bioinformatics: Functional Genomics
COMP 642	(4)	Numerical Estimation Methods
COMP 647	(4)	Advanced Cryptography
COMP 649	(4)	Quantum Cryptography
COMP 654	(4)	Graph Representation Learning
COMP 680	(4)	Mining Biological Sequences
COMP 690	(4)	Probabilistic Analysis of Algorithms
COMP 760	(4)	Advanced Topics Theory 1
COMP 761	(4)	Advanced Topics Theory 2

Category B: Systems and Applications

COMP 512	(4)	Distributed Systems
COMP 514	(4)	Applied Robotics
COMP 520	(4)	Compiler Design
COMP 521	(4)	Modern Computer Games
COMP 529	(4)	Software Architecture
COMP 533	(3)	Model-Driven Software Development
COMP 535	(4)	Computer Networks 1
COMP 546	(4)	Computational Perception
COMP 555	(4)	Software Privacy
COMP 557	(4)	Fundamentals of Computer Graphics
COMP 558	(4)	Fundamentals of Computer Vision
COMP 585	(4)	Intelligent Software Systems
COMP 598	(3)	Topics in Computer Science 1
COMP 599	(4)	Topics in Computer Science 2
COMP 614	(4)	Distributed Data Management
COMP 621	(4)	Program Analysis and Transformations
COMP 652	(4)	Machine Learning
COMP 655	(4)	Distributed Simulation
COMP 667	(4)	Software Fault Tolerance
COMP 762	(4)	Advanced Topics Programming 1
COMP 763	(4)	Advanced Topics Programming 2
COMP 764	(4)	Advanced Topics Systems 1

COMP 765	(4)	Advanced Topics Systems 2
COMP 766	(4)	Advanced Topics Applications 1
COMP 767	(4)	Advanced Topics: Applications 2

Note: Each year the Ph.D. Committee will determine which category COMP 598 and COMP 599 belong to according to the subjects taught in those courses.

15.12.4.9 Doctor of Philosophy (Ph.D.) Computer Science: Bioinformatics

Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

Required Courses

COMP 616D1	(1.5)	Bioinformatics Seminar
COMP 616D2	(1.5)	Bioinformatics Seminar
COMP 700	(0)	Ph.D. Comprehensive Examination
COMP 701	(3)	Thesis Proposal and Area Examination

Complementary Courses

Two courses chosen from the following:

BINF 621	(3)	Bioinformatics: Molecular Biology
BMDE 652	(3)	Bioinformatics: Proteomics
BTEC 555	(3)	Structural Bioinformatics
COMP 618	(3)	Bioinformatics: Functional Genomics
PHGY 603	(3)	Systems Biology and Biophysics

Additional courses at the 500, 600, or 700 level may be required at the discretion of the candidate's supervisory committee. Students who have completed the M.Sc.-level option in Bioinformatics must complete 6 credits of complementary courses not taken in the master's program.

15.12.5 Earth and Planetary Sciences

15.12.5.1 Location

Department of Earth and Planetary Sciences
Frank Dawson Adams Building
3450 University Street
Montreal QC H3A 0E8
Telephone: 514-398-6767
Email: grad.eps@mcgill.ca
Website: mcgill.ca/eps

15.12.5.2 About Earth and Planetary Sciences

The Department of Earth and Planetary Sciences offers both **M.Sc.** and **Ph.D.** degree programs. Graduate programs are based on research, although some courses are required to build the backgrounds of students. Research in the Department is wide-ranging, and includes:

- studies of the geochemistry of the mantle;
- the nature of processes concentrating metals in hydrothermal mineral deposits;
- experimental studies of the controls of viscosity in magmas and the mechanisms of volcanic eruption;

- the 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 cycles.

Mineralogy

Chemistry and crystallography of carbonate and a variety of rock-forming and biogenic minerals; experimental investigations of the effect of environmental factors (e.g., solution composition and temperature) on the morphology and composition of carbonate and phosphate minerals.

Seismology

Subduction earthquake nucleation and rupture propagation processes; physical mechanism of aseismic deformation transients, deep non-volcanic tremors, dynamic and static stress triggering of low-frequency earthquakes and transients; pore-fluid pressure coupling with frictional strength and slip.

Tectonics and Structural Geology

Digital field mapping, microstructural characterization, and mineralogical analyses of deformation structure kinematics, geometry, and deformation processes; Archean orogenic processes; structural controls on ore deposit genesis; fluid flow in faults, granular flow in faults, and catastrophic structural/geochemical events in faults; earthquake mechanics and processes recorded in rocks; brittle-ductile transition structures and rheology.

Volcanology

Petrology and geochemistry of intermediate and felsic magmas; understanding physical processes and forecasting eruptions at active subduction-zone volcanoes; geochemistry of volcanic gases, their use for eruption prediction, and their impact on the atmosphere.

section 15.12.5.5: Master of Science (M.Sc.) Earth and Planetary Sciences (Thesis) (45 credits)

The nature of graduate research in the Department of Earth and Planetary Sciences is highly variable. As a result, students may enter the graduate program with backgrounds in earth sciences, chemistry, or physics, depending on their research interests and the supervisor with whom they wish to work. Students pursuing an M.Sc. are required to take four courses, but their major project is an M.Sc. thesis that typically results in a journal publication. Research for the thesis typically begins in the first year of residence and is completed, together with the written results, in the second year of residence.

Students graduating from the program typically proceed to a Ph.D. or work in the mineral exploration or petroleum industries. Excellent students admitted into the M.Sc. program can be “fast-tracked” from the M.Sc. into the Ph.D. program at the end of the first year if suitable progress has been demonstrated. Such students are required to take a minimum of 18 credits of coursework in total, and a comprehensive oral examination before the end of 18 months in the Ph.D. program.

section 15.12.5.6: Doctor of Philosophy (Ph.D.) Earth and Planetary Sciences

The nature of graduate research in the Department of Earth and Planetary Sciences is highly variable. As a result, students may enter the graduate program with backgrounds in earth sciences, chemistry, or physics, depending on their research interests and the supervisor with whom they wish to work. Ph.D. students typically enter with an M.Sc., in which case they are required by our regulations to take only two courses, although a supervisor may require more, depending on the suitability of the student’s background. In addition to courses, Ph.D. students commence work on the thesis research project, including preparation for an oral examination on their research proposal before the end of 18 months from starting the program. Conduct of the research and preparation of the results for thesis and publication typically takes three additional years. Students entering the Ph.D. program without an M.Sc. are required to take a full year of courses before embarking on the processes described above.

Students graduating from our Ph.D. program pursue careers in universities and government-funded research institutes, and in the mineral-exploration and petroleum industries.

15.12.5.3 Earth and Planetary Sciences Admission Requirements and Application Procedures

15.12.5.3.1 Admission Requirements

Applicants should have an academic background equivalent to that of a McGill graduate in the Honours or Major programs in geology, geophysics, chemistry, biology, physics, engineering or a related degree (minimum CGPA of 3.0 out of 4.0). The Admissions Committee may modify the requirements in keeping with the field of graduate study proposed. In some cases, a Qualifying year may be required.

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

15.12.5.3.2 Application Procedures

Students should first *contact potential supervisors* within the Department of Earth and Planetary Sciences and assess their interest in accepting new students before starting the formal application procedure. General inquiries concerning the Department should be addressed to Graduate Admissions, Department of Earth and Planetary Sciences at grad.eps@mcgill.ca. Candidates should indicate their field(s) of interest when making formal applications for admission.

McGill’s online application form for graduate program candidates is available at mcgill.ca/gradapplicants/apply.

See [University Regulations & Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.3: Application Procedures](#) for detailed application procedures.

15.12.5.3.3 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 Earth and Planetary Sciences and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program.

	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 regions ranging from the Arctic to Africa, Southeast Asia, and Latin America.

Being both a natural and a social science, geography provides a unique opportunity to obtain a broad interdisciplinary exposure to modes of analyzing the many environmental and situational problems of contemporary society. Because of this, a geography degree is a fantastic opportunity to obtain a career in one of a diverse range of fields. Our students have gone on to become United Nations field researchers in Laos, environmental consultants in Toronto, science teachers in the U.S., geography professors in many parts of the world, UNHCR volunteers in Malaysia, policy analysts, and physical scientists in government agencies and research councils, as well as health and social policy researchers in Montreal...the list goes on! If you're on Facebook, look for *McGill Geography Alumni* or [visit our website](#) to learn more about the advantages of having a geography degree from McGill!

Master's degrees in both the physical (M.Sc.) and social (M.A.) sciences are offered by Geography. The core of both programs for all students is field-based research supervised by a faculty member, culminating in a thesis. The core program consists of the thesis component, required, and complementary graduate (500- or 600-level) courses.

Geography also offers in association with other McGill departments and programs a number of M.A. and M.Sc. options that students may choose to follow. Students must pass the courses specified for their program, attend such additional courses as the Chair and the student's thesis supervisor see fit, and submit a thesis in an appropriate area of geographical inquiry approved by the adviser.

McGill Northern Research Stations

The *McGill Sub-Arctic Research Station* is located in Schefferville, in the centre of Quebec-Labrador. Facilities exist for research in most areas of physical and some areas of human geography in the subarctic.

McGill University also operates a *field station* at Expedition Fiord on Axel Heiberg Island in the High Arctic. Facilities are limited to a small lab, dorm building, and cookhouse. Research activities focus on the glacial and geological. For additional information on these stations, contact the Graduate Program Coordinator at grad.geog@mcgill.ca.

Master of Arts (M.A.) Programs in Geography

Detailed program requirements for the following M.A. programs are found in [Arts](#) > [Graduate](#) > [Browse Academic Units & Programs](#) > [Geography](#).

[section 3.12.9.5: Master of Arts \(M.A.\) Geography \(Thesis\) \(45 credits\)](#)

Master's degrees in both the physical (M.Sc.) and social (M.A.) sciences are offered by Geography. The core of both programs for all students is field-based research, supervised by a faculty member, culminating in a thesis. The core program consists of the thesis component, required, and complementary graduate (500- or 600-level) courses. Geography also offers a number of M.A. and M.Sc. options in association with other McGill departments and programs that students may choose to follow.

[section 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 (NEO) is a research-based option for master's or Ph.D. students offered in association with several University departments, the [Bieler School of Environment](#), and the [Smithsonian Tropical Research Institute](#) (STRI-Panama). The option includes a thesis; required courses in Geography, Environment, and Biology; and complementary courses chosen from Geography, Agriculture Sciences, Biology, Sociology, Environment, and Political Science. NEO is aimed at students who wish to focus their graduate research on environmental issues relevant to the Neotropics and Latin American countries. NEO favours interdisciplinary approaches to research and learning through the participation of researchers from McGill and from STRI. Students will complete their research in Latin America and NEO's core and complementary courses will be taught in Panama. NEO's educational approach seeks to facilitate a broader understanding of tropical environmental issues and the development of skills relevant to working in the tropics.

Master of Science (M.Sc.) Programs in Geography

Detailed program requirements for the following M.Sc. programs are found in [Science](#) > [Graduate](#) > [Browse Academic Units & Programs](#) > [Geography](#).

[section 15.12.6.5: Master of Science \(M.Sc.\) Geography \(Thesis\) \(45 credits\)](#)

Master's degrees in both the physical (M.Sc.) and social (M.A.) sciences are offered by Geography. The core of both programs for all students is field-based research, supervised by a faculty member, culminating in a thesis. The core program consists of the thesis component, required, and complementary graduate (500- or 600-level) courses. Geography also offers a number of M.A. and M.Sc. options in association with other McGill departments and programs that students may choose to follow.

[section 15.12.6.6: Master of Science \(M.Sc.\) Geography \(Thesis\): Environment \(45 credits\)](#)

The Environment option is offered in association with the [Bieler School of Environment](#) (BSE) and is composed of a thesis component; required Geography and Environment courses; and complementary Geography and Environment courses. The graduate option in Environment provides students with an appreciation for the role of science in informed decision-making in the environmental sector, and its influence on political, socio-economic, and ethical judgments. Students who have been admitted through their home department or Faculty may apply for admission to the option. Option requirements are consistent across academic units. The option is coordinated by the MSE, in partnership with participating academic units.

section 15.12.6.7: Master of Science (M.Sc.) Geography (Thesis): Neotropical Environment (45 credits)

The McGill-STRI Neotropical Environment Option (NEO) is a research-based option for master's students offered in association with several university departments, the *Bieler School of Environment*, and the *Smithsonian Tropical Research Institute* (STRI-Panama). The option includes a thesis; required courses in Geography, Environment, and Biology; and complementary courses chosen from Geography, Agriculture Sciences, Biology, Sociology, Environment, and Political Science. NEO is aimed at students who wish to focus their graduate research on environmental issues relevant to the Neotropics and Latin American countries. NEO favours interdisciplinary approaches to research and learning through the participation of researchers from McGill and from STRI. Students will complete their research in Latin America and NEO's core and complementary courses will be taught in Panama. NEO's educational approach seeks to facilitate a broader understanding of tropical environmental issues and the development of skills relevant to working in the tropics.

Ph.D. Programs in Geography**section 3.12.9.10: Doctor of Philosophy (Ph.D.) Geography**

The doctoral degree in Geography includes the successful completion of the comprehensive examination, a thesis based on original research, and coursework chosen in collaboration with the student's supervisor and/or research committee. The main elements of the Ph.D. are the thesis and comprehensive examination, a required Methods of Geographical Research course, and a minimum of two complementary courses.

section 3.12.9.11: Doctor of Philosophy (Ph.D.) Geography: Environment

The Environment option consists of the thesis and comprehensive examination; required courses from Geography and Environment; and complementary courses in Environment or other fields recommended by the research committee and approved by the Environment Option Committee. The graduate option in Environment provides students with an appreciation for the role of science in informed decision-making in the environmental sector, and its influence on political, socio-economic, and ethical judgments. Students who have been admitted through their home department or faculty may apply for admission to the option. Option requirements are consistent across academic units. The option is coordinated by the *Bieler School of Environment*, in partnership with participating academic units.

section 3.12.9.12: Doctor of Philosophy (Ph.D.) Geography: Gender and Women's Studies

This doctoral option is an interdisciplinary program for students who meet the degree requirements in Geography and who wish to earn 9 credits of approved coursework on gender and women's studies and issues in feminist research and methods. It includes a thesis centrally related to gender and/or women's studies; the comprehensive examination; required courses in Geography and Women's Studies; and complementary courses, one of which must pertain to gender and/or women's issues.

section 3.12.9.13: Doctor of Philosophy (Ph.D.) Geography: Neotropical Environment

The McGill-STRI Neotropical Environment Option (NEO) is a research-based option for Ph.D. students offered in association with several university departments, the *Bieler School of Environment*, and the *Smithsonian Tropical Research Institute* (STRI-Panama) and includes the thesis; comprehensive examination; required courses in Geography, Environment, and Biology; and complementary courses chosen from Geography, Agriculture Sciences, Biology, Sociology, Environment, and Political Science. NEO is aimed at students who wish to focus their graduate research on environmental issues relevant to the Neotropics and Latin American countries. NEO favours interdisciplinary approaches to research and learning through the participation of researchers from McGill and from STRI. Students will complete their research in Latin America and NEO's core and complementary courses will be taught in Panama. NEO's educational approach seeks to facilitate a broader understanding of tropical environmental issues and the development of skills relevant to working in the tropics.

15.12.6.3 Geography Admission Requirements and Application Procedures**15.12.6.3.1 Admission Requirements****M.A. and M.Sc. Degrees**

Applicants not satisfying the conditions in [University Regulations & Resources > Graduate > section 1.4: Graduate Admissions and Application Procedures](#), but with primary undergraduate specialization in a cognate field, may be admitted to the M.A. or M.Sc. degree in Geography in certain circumstances. In general, they, and others who have deficiencies in their preparation but are otherwise judged to be acceptable, will be required to register for a Qualifying program or to undertake additional courses.

Ph.D. Degree

Students who have completed a master's degree in Geography or a related discipline (with high standing) may be admitted at the Ph.D. 2 level.

On rare occasions, a student may be admitted to the Ph.D. degree without having first taken the master's degree. These students, and others who have deficiencies in their preparation but are otherwise acceptable, will be required to register for a year of coursework and/or be required to take extra courses. The normal duration of a program, including field work where required, is three years.

Normally, the Department will restrict admission to the Ph.D. program to students prepared to work in one of the fields of human or physical geography in which specialized supervision is offered. These fields, which cover a wide range of systematic areas, are listed in documents available from the Department.

English Language Proficiency

For graduate applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized Canadian or American (English or French) institution or from a recognized foreign institution where English is the language of instruction, documented proof of English proficiency is required prior to admission. For a list of acceptable test scores and minimum requirements, visit mcgill.ca/gradapplicants/international/proficiency

15.12.6.3.2 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.

Further departmental application information is listed at mcgill.ca/geography/graduate.

15.12.6.3.2.1 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

15.12.6.3.3 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 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.

15.12.6.4 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*.

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.

15.12.6.7 Master of Science (M.Sc.) Geography (Thesis): Neotropical Environment (45 credits)

Participation in the MSE-Panama Symposium presentation in Montreal is also required.

Thesis Courses (30 credits)

GEOG 698	(6)	Thesis Proposal
GEOG 699	(24)	Thesis Research

Required Courses (9 credits)

BIOL 640	(3)	Tropical Biology and Conservation
ENVR 610	(3)	Foundations of Environmental Policy
GEOG 631	(3)	Methods of Geographical Research

Complementary Course (3 credits)

3 credits, one Geography graduate course. GEOG 696 can count among these complementary credits for students with an appropriate background.

Elective Course (3 credits)

3 credits, at the 500 level or higher, on environmental issues to be chosen in consultation with and approval by the student's supervisor AND the Neotropical Environment Options Director.

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
WMST 601	(3)	Feminist Theories and Methods
WMST 602	(3)	Feminist Research Symposium

Complementary Courses

Two substantive courses.

One of these two courses must be taken within the Department of Geography at the 500 level or above; one of the two courses must be on gender/women's issues at the 500, 600, or 700 level.

15.12.6.11 Doctor of Philosophy (Ph.D.) Geography: Neotropical Environment

The Neotropical Option is offered in association with several University departments, the Bieler School of Environment, and the Smithsonian Tropical Research Institute (STRI-Panama) and includes the thesis, comprehensive examination, required courses (9 credits) in Geography, Environment and Biology, and complementary courses (3 credits) chosen from Geography, Agriculture Sciences, Biology, Sociology, Environment, and Political Science.

Participation in the MSE-Panama Symposium presentation in Montreal is also required.

Thesis

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
GEOG 631	(3)	Methods of Geographical Research
GEOG 700	(0)	Comprehensive Examination 1
GEOG 701	(0)	Comprehensive Examination 2
GEOG 702	(0)	Comprehensive Examination 3

Elective Courses

3 credits, at the 500 level or higher, on environmental issues to be chosen in consultation with and approved by the student's supervisor AND the Neotropical Environment Options Director.

15.12.7 Mathematics and Statistics

15.12.7.1 Location

Department of Mathematics and Statistics
Burnside Hall, Room 1005
805 Sherbrooke Street West
Montreal QC H3A 0B9
Canada
Telephone: 514-398-3800
Fax: 514-398-3899
Email: grad.mathstat@mcgill.ca
Website: mcgill.ca/mathstat/

15.12.7.2 About Mathematics and Statistics

The Department of Mathematics and Statistics offers programs that can be focused on applied mathematics, pure mathematics, and statistics leading to master's degrees (**M.A.** or **M.Sc.**). The research groups are:

- Algebra;
- Algebraic Geometry;
- Analysis;
- Applied Mathematics;
- Differential Equations;
- Differential Geometry;
- Discrete Mathematics;
- Geometric Group Theory;
- Logic;
- Mathematical Biology;
- Mathematical Physics;
- Number Theory;
- Probability;
- Statistics.

In the basic master's programs, students must choose between the thesis option, and the non-thesis option which requires a project. The Ph.D. program is thesis only in Mathematics and Statistics.

The [Department's website](#) provides extensive information on the Department and its facilities, including the research activities and research interests of individual faculty members. It also provides detailed supplementary information concerning our programs, admissions, funding of graduate students, thesis requirements, advice concerning the choice of courses, etc.

Students are urged to consult the [Institut des Sciences Mathématiques \(ISM\) website](#), which coordinates intermediate and advanced-level graduate courses among Montreal and Quebec universities. A list of courses available under the ISM auspices can be obtained from the ISM website. The ISM also offers fellowships and promotes a variety of joint academic activities greatly enhancing the mathematical environment in Montreal and in the province of Quebec.

Master of Arts (M.A.) Programs in Mathematics and Statistics

Detailed program requirements for the following M.A. programs are found in [Arts](#) > [Graduate](#) > [Browse Academic Units & Programs](#) > [Mathematics and Statistics](#).

section 3.12.17.5: Master of Arts (M.A.) Mathematics and Statistics (Thesis) (45 credits)

The Department of Mathematics and Statistics offers programs with concentrations in applied mathematics, pure mathematics, and statistics leading to the master's degree (M.A.). The thesis option requires a thesis and six approved courses.

section 3.12.17.6: Master of Arts (M.A.) Mathematics and Statistics (Non-Thesis) (45 credits)

The Department of Mathematics and Statistics offers programs with concentrations in applied mathematics, pure mathematics, and statistics leading to the master's degree (M.A.). The non-thesis option requires a project and eight approved 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.

15.12.7.3 Mathematics and Statistics Admission Requirements and Application Procedures

15.12.7.3.1 Admission Requirements

In addition to the general Graduate and Postdoctoral Studies requirements, the Department requirements are as follows:

Master's Degree

The normal entrance requirement for the master's programs is a Canadian honours degree or its equivalent, with high standing, in mathematics or a closely related discipline in the case of applicants intending to concentrate in statistics or applied mathematics.

Applicants wishing to concentrate in pure mathematics should have a strong background in linear algebra, abstract algebra, and real and complex analysis.

Applicants wishing to concentrate in statistics should have a strong background in linear algebra and basic real analysis. A calculus-based course in probability and one in statistics are required, as well as some knowledge of computer programming. Some knowledge of numerical analysis and optimization is desirable.

Applicants wishing to concentrate in applied mathematics should have a strong background in most of the areas of linear algebra, analysis, differential equations, discrete mathematics, and numerical analysis. Some knowledge of computer programming is also desirable.

Students whose preparation is insufficient for the program they wish to enter may, exceptionally, be admitted to a Qualifying year.

Ph.D. Degree

A master's degree with high standing is required, in addition to the requirements listed above for the master's program. Students may transfer directly from the master's program to the Ph.D. program under certain conditions. Students without a master's degree, but with exceptionally strong undergraduate training, may be admitted directly to Ph.D. 1.

15.12.7.3.2 Application Procedures

McGill's online application form for graduate program candidates is available at mcgill.ca/gradapplicants/apply.

See [University Regulations & Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.3: Application Procedures](#) for detailed application procedures.

15.12.7.3.2.1 Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Personal Statement – In the personal statement, the applicants should clearly explain their choice of preferred research group(s) and preferred area(s) of research, as well as providing relevant information that will not be reflected on their transcripts
- Research Proposal (optional) – If applicants have a specific research problem of interest that they want to pursue, they may discuss the details in the research proposal
- Applicants in pure and applied mathematics should provide a GRE score report, if available

For more details, please consult mcgill.ca/mathstat/postgraduate/prospective-students/admissions.

15.12.7.3.3 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Mathematics and Statistics and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-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.

15.12.7.4 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 Oberman; Charles Roth; David A. Stephens; Valentino Tosatti; John A. Toth; Adrian Vetta; Daniel T. Wise.

Associate Professors

Linan Chen; Tim Hoheisel; Antony R. Humphries; Abbas Khalili; Jean-Philippe Lessard; Jean-Christophe Nave; Sergey Norin; Mikael Pichot; Piotr Przytycki; Marcin Sabok; Russell Steele; Gantumur Tsogetgerel; Jérôme Vétois; Yi Yang.

Assistant Professors

Patrick Allen; Sarah Harrison; Jessica Lin; Michael Lipnowski; Courtney Paquette; Elliot Paquette; Brent Pym; Anush Tserunyan.

Associate Members

Simon Caron-Huot; Xiao-Wen Chang; Luc Devroye; Leon Glass; James A. Hanley; Hamed Hatami; Anmar Khadra; Xue Liu; Michael Mackey; Erica E.M. Moodie; Prakash Panangaden; Robert W. Platt; Alexandra Schmidt; Kaleem Siddiqi; Christina Wolfson.

Adjunct Professors

Andrew Granville; Alexis Hannart; Adrian Iovita; Dimitris Koukoulopoulos; Ming Mei; M. Ram Murty; Claude-Alain Pillet; Iosif Polterovich; Armen Shirikyan.

Senior Faculty Lecturers

Axel Hundemer; Arnel Djivede Kelome.

Faculty Lecturers

Rosalie Bélanger-Rioux; José A. Correa; Jérôme Fortier; Jens Kreitewolf, *joint with Psychology*; Jeremy Macdonald; Tharshanna Nadarajah; Alia Sajjad; Sidney Trudeau.

15.12.7.5 Master of Science (M.Sc.) Mathematics and Statistics (Thesis) (45 credits)**Thesis Courses (24 credits)**

MATH 600	(6)	Master's Thesis Research 1
MATH 601	(6)	Master's Thesis Research 2
MATH 604	(6)	Master's Thesis Research 3
MATH 605	(6)	Master's Thesis Research 4

Complementary Courses (21 credits)

At least six approved graduate courses, at the 500, 600, or 700 level, of 3 or more credits each.

15.12.7.6 Master of Science (M.Sc.) Mathematics and Statistics (Non-Thesis) (45 credits)**Research Project (16 credits)**

MATH 640	(8)	Project 1
MATH 641	(8)	Project 2

Complementary Courses (29 credits)

At least eight approved graduate courses, at the 500, 600, or 700 level, of 3 or more credits each.

15.12.7.7 Doctor of Philosophy (Ph.D.) Mathematics and Statistics**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

MATH 700	(0)	Ph.D. Comprehensive Examination Part A
MATH 701	(0)	Ph.D. Comprehensive Examination Part B

Complementary Courses (21 credits)

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 *Montreal Neurological Institute* (MNI) and laboratories around the world, including *Argonne*, *CERN*, *FermiLab*, *SLAC*, *TRIUMF*, and *KEK*.

Departmental researchers enjoy technical support in the areas of engineering, electronics, and precision machining. The Department maintains an excellent conventional machine shop as well as the McGill Nanotools-Microfab facility. Most of the scientific computing is done with an extensive in-house network of powerful workstations and several Beowulf clusters.

Remote access to supercomputing sites in Canada and the United States is also possible including the McGill HPC super-computing facility which is a part of the nationwide network of high performance computing installations in Quebec.

The Department of Physics offers a competitive funding package for both local and international students. For more information about financial support, please physics.mcgill.ca/grads/finance.html.

Graduate students in the Department of Physics come from many different countries and cultural backgrounds, providing a stimulating cosmopolitan atmosphere in the Department. This, coupled with the unique opportunities afforded by the city of Montreal, guarantees a quality of life that is second to none among Canadian universities. For graduate admission and application information, please visit physics.mcgill.ca/grads/application.html.

Fields of Research:

High-Energy Physics

Theoretical: The McGill high energy theorists have interests in a wide range of areas within quantum field theory, string theory, quantum gravity, and cosmology. Research areas of the high-energy theory faculty include applications of quantum field theory techniques to relativistic heavy ion collisions, baryogenesis, superstring cosmology, theory of cosmological perturbations, black hole physics, supergravity, three dimensional gravity, and various topics

related to the physics and mathematics of superstring theory. The high-energy theorists have close connections to the nuclear theory group, the astrophysics group, the high-energy experimentalists, and to members of the Mathematics Department.

Experimental: The experimental high-energy physics group is engaged in a number of experiments at the research frontiers of the field, both in subatomic physics and in high-energy astrophysics. These include:

- Electron-positron collisions: a group works on the BaBar experiment at [SLAC](#) and the Belle-2 experiment at the [KEK](#) laboratory in Japan, with specific interest in CKM matrix elements and physics beyond the Standard Model through studies of rare decays, and on R&D for a future International Linear Collider, with interest in calorimeter development.
- Hadron-hadron collisions: A group is involved in major contributions to the energy frontier at [CERN's](#) LHC, with work on the High Level Trigger for the ATLAS experiment. Work also focuses on searches for new physics phenomena, precision physics of known Standard Model processes, development of the ATLAS experiment's trigger system, and direct contribution to the upgrade of the ATLAS detector.
- High-energy particle astrophysics: ground-based gamma-ray astronomy using the VERITAS telescope array and development of the next-generation detector.
- Underground physics: A group carries out experimental R&D with the aim of measuring, for the first time, the neutrinoless double-beta decay process with the EXO experiment.

Students at the M.Sc. and Ph.D. levels are offered a strong program of research in a challenging and rapidly advancing field. Short term master's projects are based mainly on instrumentation or data analysis conducted on campus, while Ph.D. research may involve an extended stay at one of the world's major research laboratories.

Nuclear Physics

Theoretical: Current research programs include transport equations for heavy ion collisions at intermediate energy; nuclear equation of state from heavy ion collisions; fragmentation at intermediate energy; electromagnetic probes in relativistic heavy ion collisions; effective Lagrangians for hadronic systems at finite temperature; and Quark-Gluon Plasma, QCD.

Experimental: Current research programs in experimental nuclear physics at McGill are focused on two main axes:

- The study of heavy-ion reactions at relativistic energies to determine the properties of nuclear matter at high temperatures and density. This program is being performed at the [Brookhaven National Laboratory](#), and at the Large Hadron Collider facility at [CERN](#).
- The study of ground state properties of unstable nuclei using laser spectroscopy techniques and ion traps. This work is being carried out using the Canadian Penning trap facility at the [Argonne National Laboratory](#), at the accelerator ISOLDE ([CERN](#)), and the ISAC facility at [TRIUMF](#).

Furthermore, the Nuclear Physics Group has an active in-house research program that applies the ion trap and laser techniques to the detection of trace quantities of material and contaminants, and to ion spectroscopy.

Condensed Matter Physics and Biophysics

Theoretical: Current research programs involve the nonequilibrium, ab-initio modelling of molecular and nanoelectronic systems and devices; the study of quantum effects in interacting mesoscopic electron systems; nonequilibrium phenomena in extended systems; and 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.

Nonlinear Variability and Atmospheric Physics

This group studies nonlinear dynamical processes in the atmosphere and other geophysical systems, especially those associated with turbulent, chaotic, and extremely variable behaviour. Emphasis is placed on multifractal analysis and modelling as well as the development of new theories and techniques covering wide ranges of scale in time and space. Data from a variety of in situ and remotely sensed sources are used. This includes satellite data of the Earth's atmosphere and surface as well as high-quality precipitation data from the [McGill Radar Weather Observatory](#).

Medical Radiation Physics

The Medical Physics Unit is a teaching and research unit concerned with the application of physics and related sciences in medicine, especially (but not exclusively) in radiation medicine; i.e., radiation oncology, medical imaging, and nuclear medicine. The Unit's facilities are available for students to undertake

a Ph.D. in Physics administered through the Department of Physics with a research emphasis on medical physics supervised, funded, and hosted by Medical Physics Unit PIs (principal investigators).

The research interests of Unit members include various aspects of medical imaging, including:

- 3D imaging;
- the development of new imaging modalities;
- applications of imaging in radiation therapy such as radiation dosimetry and solid state;
- nuclear cardiology; and
- applications of radiation biology to therapy.

section 15.12.8.5: Master of Science (M.Sc.) Physics (Thesis) (45 credits)

This program provides a comprehensive introduction to the academic, research, and practical aspects of physics. The primary goal of this program is to provide students with unique opportunities to learn fundamental research techniques in experimental and/or theoretical research, and objectively synthesize information from scientific literature. Each M.Sc. student chooses their preferred major research area and research supervisor. Thesis work is available in a broad range of sub-disciplines (see [departmental website](#) for details). Students wishing to continue to our doctoral program have the option, with supervisor approval, of transferring directly to the Ph.D., waiving the M.Sc. thesis submission.

section 15.12.8.6: Doctor of Philosophy (Ph.D.) Physics

The doctoral program provides all the tools required for a competitive career in academic settings, as well as in industry or other fields. The multidisciplinary nature of the Department exposes students to a vast array of research interests and experimental or theoretical approaches. Graduate research activities leading to the presentation of a Ph.D. thesis involve original work, with distinct contributions to knowledge. Our graduate program offers training in a unique and multidisciplinary environment in Canada's top university and may involve an extended stay at one of the world's major research laboratories.

15.12.8.3 Physics Admission Requirements and Application Procedures

15.12.8.3.1 Admission Requirements

M.Sc.

We normally require a background that is equivalent to our : [Bachelor of Science \(B.Sc.\) - Major Physics \(63 credits\)](#).

Ph.D.

The normal requirement is an M.Sc. in Physics or equivalent, but exceptional students may be considered for direct entry to the Ph.D. program. On the recommendation of the Departmental Graduate Committee, fast-tracking from the M.Sc. program into the Ph.D. program may be granted after one year, if:

- the student has fulfilled the M.Sc. coursework requirements, or;
- the Committee determines that the student qualifies based on the student's academic record.

All students who transfer to the Ph.D. program are required to fulfil Ph.D. coursework requirements in addition to the courses taken as an M.Sc. candidate.

15.12.8.3.2 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.

Financial Assistance

Financial assistance will be offered to all students at the time of acceptance, if applicable. For more information, please visit our finance page: physics.mcgill.ca/grads/finance.html.

15.12.8.3.2.1 Additional Requirements

The items and clarifications below are additional requirements set by this department:

- 2 Letters of Reference
- Physics CV
- Personal Statement
- Thesis Abstract or Summary – optional
- *GRE* – recommended but not required

A list of supporting documentation required by the University can be found at mcgill.ca/gradapplicants/apply/prepare/checklist/documents. International students must also demonstrate proficiency in English. Details are available at mcgill.ca/gradapplicants/international/apply/proficiency.

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; N.B. de Takacsy; 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. Devic; S. Enger.

Physiology - G. Bub; M. Chacron; A. Khadra.

Adjunct Professors

O. Hernandez, B. Palmieri, M. Pearson, W. Witczak-Krempa

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 degree for holders of an undergraduate degree, and students are expected to complete the full program leading to a doctoral degree.

Research interests of members of the Psychology Department include:

- behavioural neuroscience;
- clinical psychology;
- cognition & cognitive neuroscience;
- developmental science;
- health psychology;
- quantitative psychology & modelling;
- social & personality psychology.

Facilities for advanced research in a variety of fields are available within the Department itself. In addition, arrangements exist with the Departments of Psychology at the Montreal Neurological Institute and Hospital, Allan Memorial Institute, Douglas Mental Health University Institute, Jewish General Hospital, Montreal Children's Hospital, and Montreal General Hospital to permit graduate students to undertake research in a hospital setting.



Note: Many MUHC-affiliated hospitals and institutes are now located at the Glen site; further information is available on the [MUHC website](#).

For inquiries about all programs and financial aid, and for application forms, contact the [Graduate Program Administrator](#).

Ph.D. Option in Behavioural Neuroscience

Information about this option is available from the Department and at mcgill.ca/psychology/graduate/program-tracks.

Ph.D. Option in Language Acquisition (LAP)

Information about this option is available from the Department and at psych.mcgill.ca/lap.html and mcgill.ca/psychology/graduate/program-tracks/experimental/additional-program-opportunities.

A cross-disciplinary option in Psychosocial Oncology is offered within the existing Ph.D. program in Psychology. Information about this option is available from the Department and at medicine.mcgill.ca/oncology/programs/programs_psychosocialoncology.asp and mcgill.ca/psychology/graduate/program-tracks/clinical/additional-program-opportunities.

section 3.12.20.5: Master of Arts (M.A.) Psychology (Thesis) (45 credits)

Candidates must demonstrate a sound knowledge of modern psychological theory, of its historical development, and of the logic of statistical methods as used in psychological research. Candidates will be expected to have an understanding of the main lines of current work in areas other than their own field of specialization.

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 methods as used in psychological research. Candidates will be expected to have an understanding of the main lines of current work in areas other than their own field of specialization.

section 3.12.20.6: Doctor of Philosophy (Ph.D.) Psychology

Please contact the Department for more information about this program.

section 15.12.9.7: Doctor of Philosophy (Ph.D.) Psychology: Behavioural Neuroscience

The Ph.D. in Psychology: Behavioural Neuroscience program emphasizes modern, advanced theory and methodology aimed at the neurological underpinnings of behaviour in human and non-human animals. This program is intended for graduate students in any area of Psychology who wish to obtain unique, intensive training at the intersection of psychology and neuroscience, thereby enhancing their expertise, the interdisciplinary potential of their dissertation research, and enabling them to compete successfully for academic or commercial positions in either field alone, or their intersection. It requires that students complete a dissertation that addresses Behavioural Neuroscience themes.

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 (undergraduate level) in the Faculty of Arts or the Faculty of Science, and follow an appropriate course of study. Such registration requires the permission of the Department but carries no advantage with respect to a student's eventual admission to graduate studies.

Applicants should note that the deadline for many scholarships and fellowships is about four months earlier than the application deadlines and that applications for scholarships and fellowships should be submitted through their home university.

The *GRE* General Test as well as the Psychology Subject Test are not mandatory, but if you wish to take either or both, your scores can be submitted to us and will be added to your application.



Note: Official transcripts do not need to be included as part of an application; they will only be requested once applicants are formally accepted into the program.

English Language Proficiency

For graduate applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized Canadian or American (English or French) institution or from a recognized foreign institution where English is the language of instruction, documented proof of English proficiency is required prior to admission. For a list of acceptable test scores and minimum requirements, visit mcgill.ca/gradapplicants/international/proficiency

15.12.9.3.2 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.

15.12.9.3.2.1 Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Three letters of reference
- Personal Statement
- Curriculum Vitae
- Application Summary Sheet

For further details about these additional requirements, consult the Department of Psychology's [website](#).

15.12.9.3.3 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 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.

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

	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 Centre: S. King, N. Rajah, H. Steiger, M. Lepage

Educational Counselling Psychology: V Talwar

Jewish General Hospital: B Thombs

McGill Vision Research Centre: R. Hess, F.A.A. Kingdom, K. Mullen

Montreal Neurological Institute and Hospital: J. Armony, L.K. Fellows, D. Guitton, E. Ruthazer, W. Sossin, R. N. Spreng, V. Sziklas, R. Zatorre

Schulich School of Music: S. MacAdams

Psychiatry: D. Dunkley, F. Elgar, M. Leyton

Adjunct Professor

S. Harnad, L. Human.

15.12.9.5 Master of Science (M.Sc.) Psychology (Thesis) (45 credits)**Thesis Courses (27 credits)**

PSYC 690	(15)	Masters Research 1
PSYC 699	(12)	Masters Research 2

Required Courses (18 credits)

PSYC 601	(6)	Master's Comprehensive
PSYC 650	(3)	Advanced Statistics 1
PSYC 651	(3)	Advanced Statistics 2
PSYC 660D1	(3)	Psychology Theory
PSYC 660D2	(3)	Psychology Theory

15.12.9.6 Doctor of Philosophy (Ph.D.) Psychology

All candidates for the Ph.D. degree must demonstrate broad scholarship, mastery of current theoretical issues in psychology and their historical development, and a detailed knowledge of their special field. Great emphasis is placed on the development of research skills, and the dissertation forms the major part of the evaluation at the Ph.D. level.

Ph.D. students in Clinical Psychology must fulfil similar requirements to Ph.D. students in the Experimental Program and must also take a variety of specialized courses, which include practicum and internship experiences.

Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

Required Course

PSYC 701	(0)	Doctoral Comprehensive Examination
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Complementary Courses

12-24 credits

12 credits (one course per term in Year 2 and Year 3) chosen from the following list:

PSYC 712	(3)	Comparative and Physiological Psychology 3
PSYC 715	(3)	Comparative and Physiological Psychology 6
PSYC 722	(3)	Personality and Social Psychology
PSYC 723	(3)	Personality and Social Psychology
PSYC 724	(3)	Personality and Social Psychology
PSYC 725	(3)	Personality and Social Psychology
PSYC 727	(3)	Personality and Social Psychology
PSYC 728	(3)	Ethics and Professional Issues
PSYC 729	(3)	Theory of Assessment
PSYC 730	(3)	Clinical Neuroscience Methods
PSYC 732	(3)	Clinical Psychology 1

PSYC 733	(3)	Clinical Psychology 2
PSYC 734	(3)	Developmental Psychology and Language
PSYC 735	(3)	Developmental Psychology and Language
PSYC 736	(3)	Developmental Psychology and Language
PSYC 740	(3)	Perception and Cognition
PSYC 741	(3)	Perception and Cognition
PSYC 742	(3)	Perception and Cognition
PSYC 743	(3)	Perception and Cognition
PSYC 744	(3)	Perception and Cognition
PSYC 746	(3)	Quantitative and Individual Differences
PSYC 747	(3)	Quantitative and Individual Differences
PSYC 748	(3)	Quantitative and Individual Differences
PSYC 749	(3)	Quantitative and Individual Differences
PSYC 750	(3)	Applied Bayesian Statistics
PSYC 752D1	(3)	Psychotherapy and Behaviour Change
PSYC 752D2	(3)	Psychotherapy and Behaviour Change
PSYC 753	(3)	Health Psychology Seminar 1

0-12 credits from the following (students without a master's degree from McGill need to take all 12 credits):

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.

15.12.9.7 Doctor of Philosophy (Ph.D.) Psychology: Behavioural Neuroscience

The Ph.D. in Psychology; Behavioural Neuroscience program emphasizes modern, advanced theory and methodology aimed at the neurobiological underpinnings of behaviour in human and non-human animals. This program is intended for graduate students in any area of Psychology who wish to obtain unique, intensive training at the intersection of psychology and neuroscience, thereby enhancing their expertise; the interdisciplinary potential of their dissertation research, and enabling them to compete successfully for academic or commercial positions in either field alone, or their intersection. It requires that students complete a dissertation that addresses Behavioural Neuroscience themes as determined by the graduate program director.

Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field 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

PSYC 701	(0)	Doctoral Comprehensive Examination
PSYC 781	(3)	Behavioural Neuroscience Special Topics
PSYC 782	(3)	Behavioural Neuroscience Advanced Seminar

Complementary Courses

6-18 credits

6 credits (one course per term in Year 2 and Year 3) chosen from relevant 700-level courses in consultation with the supervisor and graduate program director.

0-12 credits from the following (students without a master's degree from McGill need to take all 12 credits):

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 fieldwork. The Museum has a unique public engagement mission with large exhibit galleries and a vibrant outreach program.

15.12.10.3 Redpath Museum Admission Requirements and Application Procedures

15.12.10.3.1 Admission Requirements

The Redpath Museum does not have its own graduate programs. All graduate students of the professors in the Redpath Museum have affiliations with either **Biology, Earth and Planetary Sciences, Anthropology, Natural Resource Sciences, or Education**. Admission requirements are subject to those home departments' regulations.

15.12.10.3.2 Application Procedures

Students in the Redpath Museum may enrol in McGill's Department of [section 15.12.2: Biology](#) or other units, including the Department of [section 15.12.5: Earth and Planetary Sciences](#), the Department of [section 3.12.1: Anthropology](#), the Department of [section 2.12.7: Natural Resource Sciences](#), or the [Faculty of Education](#). Anyone interested should contact the unit concerned.

15.12.10.3.3 Application Dates and Deadlines

For more information, please contact the Graduate Program Coordinator in the department you are interested in.

15.12.10.4 Redpath Museum Faculty

Director

Hans C.E. Larsson

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.