



Graduate and Postdoctoral Studies
Programs, Courses and University Regulations
2024-2025

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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); and
- fulfil the minimum residence requirement in their program.

1.1.2.3 Part-Time Students

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

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

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

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

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

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

In doctoral programs, students must be registered on a full-time basis for one more year after completion of the residence

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

1.1.2.5 Thesis Evaluation Students

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

"Thesis Evaluation" students are considered to be:

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

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

1.1.2.6 Qualifying Students

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

1.1.2.7 Special Students

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

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

Students who wish to take under

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

Conditions

Students applying to be a Graduate Research Trainee:

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

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

If you are a scholarship holder, 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 of the host university's registration deadlines.** If you decide later to drop or withdraw from the approved course(s), you will need to drop or withdraw from the course using the host university's re

Returning Students:

Returning students register via [Minerva](#) between May 29, 2024 and August 14, 2024.

Newly-Admitted Students:

New students entering in **September 2024** register via [Minerva](#) between July 2, 2024 and August 14, 2024.

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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 follow a particular schedule with different start and end dates, **the Graphos add/drop and withdrawal (with and without refund) dates are often earlier than the standard University dates for full term courses** and vary based on the start date of the course.
- Graphos courses are exempt from the "J" grade assignment percentage policy set out in the [University Student Assessment Policy](#) (see 3.1.7).
- Before registering, please consult the [Graphos website](#) for further details.

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

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

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

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

After the withdrawal (without refund) deadline b



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 2016-17](#) or 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 [Registration](#) and [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](#).

1.1.4.1 Class Schedule

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 identify multi-term courses.

1.1.4.3 Multi-Term Courses

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

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 in *consecutive* terms.



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

Important Conditions for Multi-Term Courses

1. You must be registered for each component.

1.1.5 University Withdrawal

If you are considering withdrawing from the University, you are strongly encouraged to consult with your advisor and 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 through [Service Point](#). However, it is important that you also consult a Faculty advisor to talk about your options and the effects that your request may have on your studies. For more information, see mcgill.ca/students/advising.



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 the [Readmission](#) page of the Undergraduate Regulations and Resources.

1.1.5.2.1 Fall Term

From September 1 to September 10, 2024 a *drop* of all courses constitutes a university withdrawal with refund (minus \$200 for returning students and the registration deposit for new students).



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 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 the [Readmission](#) page.



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.

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**

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

The University assigns grade points to letter grades according to the table above. Your academic standing is determined by a grade point average (GPA), which is calculated by dividing the sum of the course credit, times the grade points by the total course GPA credits. The result is not rounded up to the nearest decimal point.

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

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

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

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

Note: Not all grades listed below apply to e

Other Course Grades:

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 required work in a course are given a J grade. You then have the following options:

1. Ask to be assigned a grade based only on the grades earned for your work submitted up to, but not including, the final exam or other required course work.

The grade earned is calculated by adding the grades obtained on the individual pieces of work and a grade of 0 for the portion of the final grade allocated to the final exam or other required course work. This option is not available if the professor stipulated in the course outline that the final exam or other course work is a required part of the evaluation.

2. Request a deferred exam if you have the appropriate reasons and documentation.
3. Apply for a supplemental exam if permitted by your faculty.



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 [Final Examinations: Deferred Exams](#).

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) (This option 1 472.245 325)

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

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

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

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

In addition to the above, **if you are a candidate for admission to the Faculty of Medicine and Health Sciences or to the Faculty of Dental Medicine and Oral Health Sciences in undergraduate, graduate, or postgraduate studies, you will be asked to consent to** the release of personal information to other schools of medicine; to Employment and Social Development Canada; to the *Ministère du Travail, de l'Emploi et de la Solidarité sociale* of Quebec; to a McGill professor, researcher or graduate student, strictly for research or teaching purposes; and to a University teaching/affiliated hospital or health

images in public recognition of academic achievement and in the advertising and audio and video recording of student ensemble concerts for distribution using different media and formats.

At the time of application, you will be asked to **authorize the University** to:

- collect and maintain your personal information for the purpose of administering your University admissions and student record files;
- obtain copies of your transcripts from the *Ministère de l'Éducation et de l'Enseignement supérieur*; the Ontario Universities' Application Centre; and/or the British Columbia Ministry of Education;
- make inquiries to and obtain personal information from the *Ministère de l'Immigration, de la Francisation et de l'Intégration*; Immigration, Refugees and Citizenship Canada; and/or the *Régie de l'assurance maladie du Québec* to verify the validity of your immigration or health insurance status; validate with the *Ministère de l'Éducation et de l'Enseignement supérieur* information regarding your citizenship and previous institution attended, if necessary and as required in order to manage the admissions process and to determine your tuition fees; verify any information or statement provided as part of your application; and
- contact you through the McGill Alumni Association and University offices that maintain contact with McGill students, alumni, and friends for the purpose of providing University updates and opportunities for direct support to the University, including fundraising and making available special offers such groups may benefit from.

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

- an admission granted based on incomplete, incorrect, or false information contained in your application or supporting documents may be revoked at the sole discretion of the University. The University reserves the right to revoke admission at any time; and
- if admitted to McGill University, you will be bound by the statutes, rules, regulations, and policies in place from time to time at McGill University and at the faculty or faculties in which you will be registered, including those policies contained in the University calendars and verified in the Uni

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.

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



Note for the Faculties of Arts and Science (including B.A. & Sc.): Requests are made at [Service Point](#) (3415 McTavish Street). However, it is important that you also meet with a Faculty advisor in [Arts OASIS](#) or [SOUSA](#) to talk about your options and the effects that your request may have on your studies. For more information, refer to [Academic 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 on (anscript: rg0 0 1 RG/F2 8.1 Tf1 0 0 1 192.31 330.381 T8(located ostudent-r)Tj1 0 0 1 442.035 341.67851(located o0 0 1 240.156 5271fficem(

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

1.1.9.8 Doctoral Oral Defence

The objectives of the oral defence are to ensure that:

1. the thesis meets the academic standards necessary for the Ph.D. degree; and
2. the Ph.D. candidate can effectively present and defend the thesis at a level of 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).

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

In the case of a variation in the spelling of the name among these documents, the University will use the name on the document that appears first on the above list.

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

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

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

1.1.11.2.2 Legal Sex Designation

To update your legal sex designation, you need to:

1. Complete a [Personal Data Change Form](#)
2. Provide us with a cop

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 and Pronoun Change*, where you can make minor corrections such as changing case (upper/lower), adding accents, and spacing. You can also add a preferred first name that is different from your legal first name, and it will be used internally at McGill. For more information on the Preferred First Name Procedure,

: Graduate Diploma (Gr. Dip.) Legal Translation (30 credits)
: Graduate Certificate (Gr. Cert.) Data Analysis for Complex Systems (15 credits)
: Graduate Certificate (Gr. Cert.) Data-Driven Decision Making (15 credits)
: Graduate Certificate (Gr. Cert.) Public Administration & Governance (15 credits)
: Graduate Certificate (Gr. Cert.) Advanced Public Administration & Governance (15 credits)
: Graduate Certificate (Gr. Cert.) Public Relations & Communication Management Practice (15 credits)
: Graduate Certificate (Gr. Cert.) Strategic Public Relations & Communications Management (15 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 char

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

Y



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 birthplace 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** – Full-time international students are charged fees at the Quebec tuition rate by default for certain eligible French courses (note exclusions as listed at mcgill.ca/student-accounts/tuition-fees/general-tuition-and-fees-information/tuition-fee-exemptions).
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*)

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 y6 Tm(v)Tj1

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 Service Point at:

Telephone: 514-398-7878

Website: mcgill.ca/servicepoint/contact

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

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

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

You should contact your advisor (graduate students should contact their department) early in the graduating year to make sure you will meet your program requirements by graduation time. For contact information on advisors, 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. At this point, your academic record is deemed as final and no further record changes may be requested at this time (e.g. grade changes).

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

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

Minimum Residency Requirement

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

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

Graduate students should 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 the 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) 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 advisor 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 the University of your intention to graduate. You need a minimum residency requirement of 60 credits at McGill to qualify for a McGill undergraduate degree. For more information, see [section 1.1.13: Graduation Requirements and Your Status](#) and [Your Status](#).

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 mid-May.

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



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

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 through the [IT Service Desk](#);
- Or by telephone at **514-398-3398** for immediate help;
- For additional information, please see [Reporting IT security incidents](#).

If the incident involves bullying, harassment or other potential risks to the health and safety of individuals, please contact [McGill Security Services](#) at **514-398-3000** in the Downtown Campus or **514-398-7777** at the Macdonald Campus immediately.

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 will need to choose your apps wisely as not all apps are safe, and they will not all adequately protect sensitive data (either your own or McGill's).

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

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 (e.g., acknowledging a prompt or entering a code sent to your mobile device via a mobile app) when signing into many McGill systems. 2FA makes it much harder for cybercriminals to access your account and your personal information, even if they obtain your password. 2FA is required for all higher education institutions in Canada.

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 "

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 School of Continuing Studies: International students who are enrolled in **credit** courses at School of Continuing Studies are also billed IHI and should also refer to 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.

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 School of 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 this plan covers, 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**

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

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](#).

- b.** obtain two unsatisfactory Graduate Student Research Progress Tracking Reports and the academic unit in which the student is registered recommends that they be withdrawn; **or**
- c.** fail one course, obtain one unsatisfactory Graduate Student Research Progress Tracking Report, and the academic unit in which the student is registered recommends that they be withdrawn.

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

Students in a Qualifying Year

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

Readmission

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

Senate, October 11, 2000.

Revised by GPS Council, February 10, 2003; February 19 652.02 Tm(ailinby GPS Council, F)

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 ss to

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

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

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 pre

- 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)

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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 lea

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, December 18, 2019 and April 11, 2022.

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 f

Faculty of Arts**Degrees Available***section 3.11.20: Psychology*

M.A., Ph.D.

section 3.11.22: Quebec Studies / Études sur le Québec

N/A

section 3.11.23: Religious Studies

M.A., S.T.M., Ph.D.

section 3.11.24: Social Studies of Medicine

N/A

section 3.11.25: Social Work

M.Sc.A., M.S.W., M.S.W. & B.C.L./J.D., Ph.D.

section 3.11.26: Sociology

M.A., Ph.D.

Degrees Avm(aculty of)Tj1 0 0 1 105.902 725.56 Tm(Arts)Tj0 I6

Faculty of Medicine and Health Sciences	Degrees Available
<i>section 11.11.2.5: Human Genetics</i>	M.Sc., Ph.D.
<i>section 11.11.1.3: Medical Physics</i>	M.Sc., Gr. Dip.
<i>section 11.11.1.4: Medicine, Experimental</i>	M.Sc., Ph.D., Gr. Dip.
<i>section 11.11.1.5: Medicine, Family</i>	M.Sc., Ph.D.
<i>section 11.11.2.6: Microbiology and Immunology</i>	M.Sc., Ph.D.
<i>section 11.11.4.4: Occupational Health</i>	M.Sc.A., Ph.D.
<i>section 11.11.1.6: Oncology</i>	Gr. Dip.
<i>section 11.11.1.7: Otolaryngology – Head and Neck Surgery</i>	M.Sc.
<i>section 11.11.1.8: Pathology</i>	M.Sc., Ph.D.
<i>section 11.11.2.7: Pharmacology and Therapeutics</i>	M.Sc., Ph.D.
<i>section 11.11.2.8: Physiology</i>	M.Sc., Ph.D.
<i>section 11.11.1.9: Psychiatry</i>	M.Sc.
<i>section 11.11.1.10: Surgical and Interventional Sciences</i>	M.Sc., Ph.D., Gr. Cert., Gr. Dip.
Schulich School of Music	Degrees Available
<i>section 12.11.1: Schulich School of Music</i>	M.A.3M , M.Mus. , Ph.D., Graduate Artist Diploma, Gr. Cert., Gr. Dip., Post-Graduate Artist Diploma
Ingram School of ND.	Degrees Available

Degree		Prerequisites
Master of Business Administration	M.B.A.	An undergraduate degree from an approved university. See section 10.12: M.B.A. Programs .
Master of Education	M.Ed.	Bachelor's degree with specialization related to the subject chosen for graduate work, plus a Permanent Quebec Teaching Diploma or its equivalent for some of the above degrees. See appropriate department.
Master of Engineering	M.Eng.	Bachelor of Engineering or equivalent, with specialization appropriate for the subject selected for graduate study. See appropriate department.
Master of Information Studies	M.I.St.	At least a bachelor's degree from a recognized university. See section 3.11.11.3: Information Studies Admission Requirements and Application Procedures .
Master of Laws	LL.M.	An acceptable degree in Law or equivalent qualifications. See section 9.11.1.3: Law Admission Requirements and Application Procedures .
Master of Management	M.M.	See section 10.13: Master of Management Programs .
Master of Music	M.Mus.	Bachelor of Music or Bachelor of Arts with concentration in the area selected for graduate study. Applicants to the Performance program are required to pass auditions in their speciality. See section 12.11.1: Schulich School of Music .
Master of Sacred Theology	S.T.M.	B.A. with specialization in religious studies or theology. See section 3.11.23.3: 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. Bachelor's degree in Social W

Master of Arts (M.A.)

East Asian Studies	Thesis (<i>Ad Hoc</i>)	N/A
Economics	Thesis, Non-Thesis	Development Studies, Population Dynamics
Educational Psychology	Thesis	Health Professions Education, Human Development, Learning Sciences, School/Applied Child Psychology
Education and Society	Thesis, Non-Thesis	Gender and Women's Studies, Mathematics and Science Education (Thesis) Course Work, Course Work Math & Science Education, Gender and Women's Studies, Jewish Education, Project Math & Science Education (Non-Thesis)
	Thesis, Non-Thesis (Coursework/Thesis)	Gender and Women's Studies (Thesis)

Master of Arts (M.A.)

Development Studies, Gender and Women's Studies, Medical Sociology,
Population Dynamics

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Non-Thesis

English or French Second Language, English Language Arts, Mathematics,
Science and Technology, Social Sciences

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

A program leading to the degree of *Sanctae Theologiae Magister* (S.T.M.) is given in the School of Religious Studies. This degree is primarily for those who intend to enter the ministry of the Christian Church or another religious institution, or to proceed to teaching in schools. A Master of Arts program (thesis and non-thesis) is also available.

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

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

Master of Science (M.Sc.)

Neuroscience	Thesis	N/A
Otolaryngology	Thesis	N/A
Parasitology	Thesis	N/A
Pathology	Thesis	N/A
Pharmacology	Thesis	Environmental Health Sciences
Physics	Thesis	N/A
Physiology	Thesis	Bioinformatics, Chemical Biology
Plant Science	Thesis	Bioinformatics, Environment, Neotropical Environment
Psychiatry	Thesis	N/A
Psychology	Thesis	N/A
Public Health	Non-Thesis	N/A
Rehabilitation Sciences	Thesis, Non-Thesis	N/A
Renewable Resources	Thesis, Non-Thesis	Environment, Neotropical Environment (Thesis) Environmental Assessment (Non-Thesis)

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

This degree was designed to provide postgraduate training of a professional and vocational character, with less emphasis on theoretical knowledge and research than in Master of Science programs, but with no lower standards either for admission or completion of requirements. Two years of full-time study or equivalent are normally required with an emphasis on coursework.

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

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

The M.S.W. degree represents a second level of professional study in which students 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 and Non-Thesis	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 9.11.1: Law .
Doctor of Music	D.Mus.	M.A. in Composition (D.Mus. in Composition) or a master's degree in Performance, and professional and teaching experience (D.Mus. in Performance). See section 12.11.1: 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.
Ad Hoc Doctor of Philosophy	Ph.D. (Ad Hoc)	Some 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

Doctor of Philosophy (Ph.D.)

Biology	Bioinformatics, Environment, Neotropical Environment	Faculty of Science
Biological and Biomedical Engineering	N/A	Interfaculty Studies
Bioresource Engineering	Environment	Faculty of Agricultural and Environmental Sciences
Biostatistics	N/A	Faculty of Medicine and Health Sciences
Cell Biology	N/A	Faculty of Medicine and Health Sciences
Chemical Engineering	N/A	Faculty of Engineering
Chemistry	N/A	Faculty of Science
Civil Engineering	N/A	Faculty of Engineering
Communication Sciences and Disorders	Language Acquisition	Faculty of Medicine and Health Sciences
Communication Studies	Gender and Women's Studies	Faculty of Arts
Computer Science	Bioinformatics	Faculty of Science
Counselling Psychology	N/A	Faculty of Education
Earth and Planetary Sciences	Environment	Faculty of Science
Economics	N/A	Faculty of Arts
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	N/A	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
Surgical and Interventional Sciences (formerly 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 and Health Sciences
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

Doctor of Philosophy (Ph.D.)

Mathematics and Statistics	N/A	Faculty of Science
Mechanical Engineering	N/A	Faculty of Engineering
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	Interfaculty Studies
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
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	Interfaculty Studies
Rehabilitation Science	N/A	School of Physical and Occupational Therapy
Religious Studies	Gender and Women's Studies	Faculty of Religious Studies
Renewable Resources	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 2.7: Postdoctoral Research](#) for information about postdoctoral research at McGill University.

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.

- 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.

1.4.4.1 Document Checklist Terms

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

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

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

GMAT: Graduate Management Aptitude Test (see [section 1.4.5: Admission Tests](#) below)

GRE: Graduate Records Examination (see [section 1.4.5: Admission Tests](#) below)

54Int

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

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

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

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



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

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

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

Revised – March 2021

1.4.7 Application Dates and Deadlines

1.4.10 Admission to Two Degree Programs

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

1.4.11 Admission of Former Students

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

1.4.12 Deferral of Admission

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

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

Fellowships, Awards, and Assistantships

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 on the Research Integrity Office's [Policies](#) page.

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-re

- 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

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: Student Accessibility & Achievement](#)
- [section 1.7.3.8: Office of Sustainability](#)
- [section 1.7.3.9: Scholarships and Student Aid Office](#)
- [section 1.7.3.10: Student Wellness Hub](#)

1.7.3.1 Campus Life & Engagement (CL&E)

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

Brown Student Services Building
3600 McTavish Street, Suite 4100
Telephone: 514-398-6913
Email: cle@mcgill.ca
Website: mcgill.ca/cle

Incoming first-year students:

Email: firstyear@mcgill.ca
Website: mcgill.ca/getready

1.7.3.2 Career Planning Service (CaPS)

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

Brown Student Services Building, East Wing, Suite 2200
Service also available at Macdonald Campus, in Centennial Centre, Room 124. Please mention campus location when booking your appointment.
Telephone: 514-398-3304
Email: careers.caps@mcgill.ca
Website: mcgill.ca/caps
myFuture: caps.myfuture.mcgill.ca

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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 av

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:

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.

Telephone: 514-398-4349

Website: mcgill.ca/internationalstudents

1.7.4.3 Student Accessibility & Achievement

Student Accessibility & Achievement provides learning assessment, support services and programs, and reasonable accommodations to undergraduate,

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 inquiries: housing.residences@mcgill.ca; meal plan and food services inquiries: food.fds@mcgill.ca

Website: mcgill.ca/shhs

Starting in Fall 2024, **Solin Hall** will be the new centralized hub for graduate students. Solin Hall features apartment-style housing with a kitchen, living room, dining room, and bathroom. The building has a gym, TV lounge, study room, and a games room (pool table, piano, and arcade games).

McGill University offers tw

Residence life is an integral part of Macdonald Campus activities.

Telephone: 514-398-7059
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 volunteering clubs
- Fine art, dance, and performance clubs
- Health and wellness clubs
- Languages and publications clubs
- Leisure activity and hobby clubs
- Networking and leadership development clubs
- Political and social activism clubs
- Religion and cultural clubs

An overview of extra-curricular activities at McGill is available on [Campus Life & Engagement's](#) 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](#); please consult the [Student Services website](#) for services and activities on the Macdonald Campus.



Note: Space and room availability on campus varies seasonally and depending on university and public health guidelines; please refer to each building's website for more information.

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 295.11 Boll Tjl5.1 Tf1 0 0 1lackdmeTf1 0 0 1 93.52 390.6411 Tm(R4 71E1353a1 0 0 1 134.lackd

Term	Payment Due Date
All new and returning students	January 6, 2025

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, which includes the balance due on the account.

You should not share your PIN (personal identification number) with anyone, including a guest on Minerva. *Guest Access* allows your guest to view your account information without knowing your PIN 0 1 67.52 513.72 Tm(accou 523.44 Tm(ou she)Tjco10v)Tjys.74 Tm(Access)Tj/F16 680.03u3.7.74 Tm(AccepymenPr

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* >

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

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

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 a

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 Students](#) for details.

1.9.1 IT Support

McGill's [IT Support site](#) is your one-stop shop for information and support on using IT services including email, Microsoft 365 tools, Wi-Fi, VPN, and more. Search the IT Knowledge Base for instructional articles, report issues, make requests for services, chat with support agents, view announcements and system status, and follow 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 365 apps \(previously ProPlus apps\)](#) suite (Word, Excel, PowerPoint, OneNote, etc.) to your personal devices, and sync your files with the online versions in OneDrive.

Other Microsoft 365 apps include Forms (surveys and data collection), Sway (interactive online presentations), Stream (video streaming platform), SharePoint Online, and more. 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 re

1.10.2.3 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

Graphos
Website: mcgill.ca/graphos
Inquiries: graphos@mcgill.ca

MWC

859 Sherbrooke Street West
Montreal QC H3A 0C4
Telephone: 514-398-4086, 514-398-4861
Email: redpath.museum@mcgill.ca
Website: mcgill.ca/redpath

1.10.5 McCord Stewart Montreal Social History Museum

The McCord Stewart Montreal Social History 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 27,000 garments or accessories—made or worn in Canada; an extensive collection of First Nations objects—the most important of its kind in Quebec, with a corpus of over 16,000 objects from across Canada; and an impressive Photography collection of more than 2,150,000 historical photographs—including the 400,000 photographs of the renowned Notman Photographic Archives—which offers a unique pictorial record of Canada from pre-Confederation to the present.

The museum also houses paintings by renowned artists such as Louis Dulongpré, James Duncan, Cornelius Krieghoff, and Robert Harris, along with iconographic documents reflecting the perspectives of Canadians over the past three centuries. A Material Culture collection consisting of more than 62,000 objects primarily documents the history of the domestic material environment in Montreal. The museum's textual archives include some 340 linear metres of documents relating to Canadian history.

Finally, *the museum's website* features award-winning exhibitions, innovative learning resources, and a vast, searchable database of information on the museum's collections. Since the spring 2022, the *McCord Stewart Museum Online Collection platform* allows everyone to browse bilingual descriptions of over 157,000 objects, photographs and archival documents from its collections. The site also features close to 153,000 royalty-free images that may be downloaded in the highest resolution available, free of charge, with no restrictions on their use.

Exhibitions at the McCord Stewart Museum 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 museum offers a range of services including Café Notman and the boutique.

Researchers are welcome by appointment. Please contact the museum's *Archives and Documentation Centre*.

690 Sherbrooke Street West
Telephone: 514-861-6701, ext. 1234
Email: info@mccord-stewart.ca
Website: musee-mccord-stewart.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 specialized 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 Univ

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 the Senate from amongst its members; two are elected by the full-time administrative and support staff from amongst its members; two are elected by the full-time academic staff; and two are elected by students from amongst the student body. The Board elects the Chancellor of the University and also, from amongst its members, a chair to preside at its meetings. The Chancellor and the President are ex officio members.

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

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

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

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

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

Members

Joseph Hakim
Fred Headon
Inez Jabalpurwala
Pierre Matuszewski
Ram Panda
Maarika Paul
Adrienne Piggott
Diletta Prando
Samira Sakhia
Jonathan Sigler
Petra Rohrbach
Edith A. Zorychta

1.11.5.2.2 Student Representatives

Student Representatives

Students' Society of McGill (1)
Post-Graduate Students' Society of McGill (1)
Observers ("voice but no vote"):
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 President and Vice-Chancellor
The Provost, Deputy Provost, and the vice-presidents
The deans of faculties
The Dean of Continuing Studies
The Dean of Graduate and Postdoctoral Studies
The Dean of Students
The Dean/Director of Libraries
The University Registrar and Executive Director of Enrolment Services
The Director of Teaching and Learning Services

1.11.6.2 Elected Members

Elected Members

65 members elected by the faculties, RGE4(65 members elected by the f)Tj1 0 0 1 161.993 6..2 195.88 19exj1 0 0 1 93.792 447.E4n61.993 96.401 T48 447.388 19exj

Deans

Viviane Yargeau	Engineering
Josephine Nalbantoglu	Graduate and Postdoctoral Studies
Robert Leckey	Law
Guylaine Beaudry	Libraries
Yolande E. Chan	Management
Lesley Fellows	Medicine and Health Sciences
Sean Ferguson	Music
R. Bruce Lennox	Science
Robin Beech	Dean of Students

1.11.7.1.2 Directors of Schools**Directors of Schools**

David Theodore	Architecture
Keith Murai	Biomedical Sciences
Elin Thordardottir	Communication Sciences and Disorders
Mathieu Blanchette	Computer Science
Ryan J. Mailloux	Human Nutrition
Frederic Fabry	Environment
Joan Bartlett	Information Studies
TBA	Medicine, School of
TBA	Nursing
Laurie Snider	Physical and Occupational Therapy
Timothy Evans	Population and Global Health
Garth W. Green	Religious Studies
Nicole Ives	Social Work
Lisa Bornstein	Urban Planning
Christopher Ragan	Public Policy

2 Faculty of Agricultural and Environmental Sciences**2.1 Graduate and Postdoctoral Studies****2.1.1 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)

2.1.2 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.

2.1.3 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.

2.2 Important Dates

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

2.3 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.

2.4 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

2.5 Graduate Admissions and Application Procedures

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

- Application for admission;
- Admission requirements;
- Application procedures;
- Competency in English; and
- Other information regarding admissions and application procedures for Graduate and Postdoctoral Studies.

2.6 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.

2.7 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.

2.7.1 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.).

2.7.2 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)

- 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.

2.7.4 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."

2.7.5 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)

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

2.9 Graduate Student Services and Information

Graduate students are encouraged to refer to

2.11.1.2 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 2.11.7: Natural Resource Sciences](#). Further details can also be found at mcgill.ca/nrs/academic/graduate/agricultural-economics.

2.11.1.3 Agricultural Economics Admission Requirements and Application Procedures

2.11.1.3.1 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 Year program of undergraduate courses. To enter the M.Sc. in Agricultural Economics from the Qualifying Year program, a student must earn a GPA of at least a 3.2 in the approved program. In all cases, after completion of a Qualifying Year, an applicant interested in commencing the M.Sc. in Agricultural Economics must apply for admission by the posted deadline.

Details on the M.Sc. are available from [section 2.11.7: Natural Resource Sciences](#) > [section 2.11.7.4: 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 is 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 pro

2.11.2 Animal Science

2.11.2.1 Location

section 2.11.2.7: 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

Admission to graduate studies is competitiv

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).

2.11.2.6 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 635	(3)	Advanced Plant Breeding
PLNT 662	(3)	Advances in Plant Biotechnology

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

2.11.2.7 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.

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

Thesis

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

Required Courses (5 credits)

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

Complementary Courses (6 credits)

Two courses chosen from the following:

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

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

2.11.3 Bioresource Engineering

2.11.3.1 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

2.11.3.2 About Bioresource Engineering

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

- **Bio-production engineering**

- biomass production engineering;
- precision agriculture and sensor systems engineering;
- smart production systems engineering; and
- irrigation and drainage engineering.

- **Bio-process engineering**

- post-harvest technologies engineering;

biomass production7pSRsb1 0 0l709 563.284 Tmo101 Tm(Bio-pr7pS:..951 547.921nage engineering.)Tj/F1 10 Tqwpost-harvs p 0 .post-harv5 Tf126

section 2.11.3.6: 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 2.11.3.7: 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 Professional Engineers Ontario (PEO) or the Professional Engineers and Geoscientists of Alberta (PEGA).

Thesis Courses

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

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.

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

This program is currently not offered.

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

Required Courses (39 credits)

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

Thesis Courses

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

Complementary Courses (6 credits)

3-6 credits from:

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

0-3 credits from:

ENVR 585	(3)	Readings in Environment 2
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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.

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

The Master of Science (M.Sc.) in Bioresource Engineering; Non-Thesis - Integrated Water Resources Management program is a one-year professional course-based program, including an internship, which is a central feature of the program. The program provides an essential approach to the sustainable management of our natural watershed resources, and focuses on the biophysical, environmental, legal, institutional, and socio-economic aspects of water use and management, in an integrated context.

Research Project (6 credits)

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

Water: Society

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

This program is currently not offered.

The M.Sc.(Applied) in Bioresource Engineering; Non-Thesis - Environment is a program offered in collaboration with the Bieler School of Environment. As a complement to the unit's expertise, the program considers how various dimensions (scientific, social, legal, ethical) interact to define environment and sustainability issues.

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

Research Project (12 credits)

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.

2.11.3.9 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

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

The Master of Science(Applied) [M.Sc.(A.)] in Bioresource Engineering; Non-Thesis - Integrated Food and Bioprocessing program provides the tools to understand how food and agricultural production interact to better manage agricultural, food, and biomass systems for the adequate supply of wholesome food, feed, fiber, biofuel, and any other bio-based material. The program focuses on the skills needed to assess existing production, delivery, and quality management systems; introduce improvements; and communicate effectively with policymakers and colleagues in multi-disciplinary teams. The program provides up-to-date, world-class knowledge on techniques for adequate process design and management of biomass production strategies for the delivery of quality food, natural fiber, biochemicals, biomaterials, and biofuels, in a sustainable and environment-friendly way that benefits all. Training activities will include laboratory research and/or industrial/government internships.

Required Courses (6 credits)

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:

Food and Agricultural Credits)

GEOG 515	(3)	Contemporary Dilemmas of Development
NUTR 501	(3)	Nutrition in the Majority World

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

2.11.3.11 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.

2.11.3.12 Doctor of Philosophy (Ph.D.) Bioresource Engineering: Environment

This program is currently not offered.

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

Thesis

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

Required Courses (3 credits)

Note: BREE 701, 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:

Readings in En

Financial

2.11.4.5 Graduate Certificate (Gr. Cert.) Biotechnology (16 credits)

The Graduate Certificate in Biotechnology focuses on biotechnology and the latest molecular biology techniques.

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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2.11.5 Food Science and Agricultural Chemistry

2.11.5.1 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

2.11.5.2 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;
- food packaging
- functional ingredients;
- bimolecular spectroscopy;
- food processing;
- enzymology;
- nano sciences;
- thermal generation of aromas and toxicants;
- marine biochemistry; and
- food chemical toxicants.

The Department has key infrastructure with all major equipment necessary for conducting research in all these areas. Our graduate program provides strong mentoring/advisory support while maintaining high flexibility for individual research projects.

section 2.11.5.5: 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, microbiology, chemistry/biochemistry, processing, or engineering 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 2.11.5.4: 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 2.11.5.6: Master of Science (M.Sc.) Food Science & Agricultural Chemistry: F

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.

2.11.5.7 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

2.11.6 Human Nutrition**2.11.6.1 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

2.11.6.2 About Human Nutrition

NUTR 683 (9) Human Nutrition M.Sc. Thesis 4

Required Courses (3 credits)

(1) Human Nutrition Research Orientation

Required Courses

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

2.11.6.9 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

section 2.11.7.4: Master of Science (M.Sc.) Agricultural Economics (Thesis) (45 credits)

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 agrib

2.11.7.3 Natural Resource Science Admission Requirements and Application Procedures

2.11.7.3.1 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 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. F

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.

2.11.7.5 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)	M.Sc. Proposal Seminar
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NRSC 644	(1)	M.Sc. Update Seminar
NRSC 651	(1)	M.Sc. Final Seminar

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.

2.11.7.6 Master of Science (M.Sc.) Microbiology (Thesis) (45 credits)

The Master of Science in Microbiology is a thesis program of 45 credits. The program involves research within, and often across, multiple disciplines of basic and applied environmental sciences that advances our fundamental knowledge about microorganisms as well as leads to improved efficiencies of our managed ecosystems. Specialties within the program range from the study of microbial ecology and diversity in natural, human-induced and extreme environments, molecular genetics, bioinformatics, and bacterial pathogens.

Thesis Courses (36 credits)

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)	M.Sc. Proposal Seminar
NRSC 644	(1)	M.Sc. Update Seminar
NRSC 651	(1)	M.Sc. Final Seminar

Complementary Courses (6 credits)

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

2.11.7.7 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)	M.Sc. Proposal Seminar
NRSC 644	(1)	M.Sc. Update Seminar
NRSC 651	(1)	M.Sc. Final Seminar

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 Seminar

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)

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Required Courses

- (0) Ph.D. Comprehensive Examination

ENVR 610	(3)	Foundations of Environmental Policy
NRSC 701	(0)	Ph.D. Comprehensive Examination
NRSC 751	(0)	PhD Research Proposal
NRSC 752	(0)	Teaching Experience
NRSC 753	(0)	PhD Research Progress Report
NRSC 754	(0)	PhD Final Research Report

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.

2.11.8 Parasitology

2.11.8.1 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

2.11.8.2 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 2.11.4: 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; and
- the ecology of parasitic organisms—such as helminths and protozoa, viruses, and cancer cells.

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

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

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

Parasitology Programs

section 2.11.8.4: 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 2.11.8.5: 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 2.11.8.6: Doctor of Philosophy (Ph.D.) Parasitology: Bioinformatics

****This program is currently not being offered****

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.

2.11.8.3 Parasitology Admission Requirements and Application Procedures

2.11.8.3.1 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

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2.11.8.3.3 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.

Information on application deadlines is available at

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.

2.11.9 Plant Science**2.11.9.1 Location**

Department of Plant Science

section 2.11.9.4: 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 2.11.9.5: Master of Science (M.Sc.) Plant Science (Thesis): Bioinformatics (45 credits)

This M.Sc. in Plant Science requires approximately two years for completion. Overall, the program consists of two graduate-level courses, seminars, and a research project leading to a thesis. The courses and the research project are chosen and defined with the help of an advisory committee. The goal of the Bioinformatics option is to train students to become researchers in the interdisciplinary field of bioinformatics, which lies at the intersection of biological/medical sciences and mathematics/computer science/engineering. This option has an added emphasis on bioinformatics, including additional seminars. Subsequent career paths are varied, but include work with government agencies, the private sector, or further graduate studies in a related field.

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

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

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 2.11.9.6: 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 2.11.9.7: Master of Science, Applied (M.Sc.A.) Plant Science (Non-Thesis) (45 credits)

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

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

section 2.11.9.8: Doctor of Philosophy (Ph.D.) Plant Science

section 2.11.9.11: 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 2.11.9.12: Graduate Certificate (Gr. Cert.) Bioinformatics (15 credits)

****This program is currently under revision and will not be accepting applicants.****

The Graduate Certificate in Bioinformatics is a new cross-disciplinary program that teaches students the foundations of bioinformatics thinking, methodology, and applications through hands-on experience with computers and bioinformatics tools. The program introduces students to many areas of application such as medicine, agriculture, and chemistry. Required courses include basic UNIX skills, genomics data, common bioinformatics software, relational databases, and web resources. The Certificate is completed in one term (Winter term **only**) after which graduates may go on to pursue successful careers in the biomedical, biotechnology, and biosciences fields.

2.11.9.3 Plant Science Admission Requirements and Application Procedures

2.11.9.3.1 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 in addition to the requirements for admission to the Ph.D. program, may be considered for admission to the Ph.D. program. These students must meet the requirements for admission to the Ph.D. program and must be recommended by the faculty in the field of specialization for the Ph.D. program.

2.11.9.4 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.

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

2.11.9.6 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.

2.11.9.7 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.

2.11.9.8 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.

2.11.9.9 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.

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

This program is currently not offered.

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

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

Thesis

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

Required Invitational Seminar

PLNT 690	(0)	Research Horizons in Plant Science 1
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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.

2.11.9.11 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. de

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 Graduate and Postdoctoral Studies

3.1.1 Administrative Officers

Administrative Officers

Josephine Nalbantoglu; B.Sc., Ph.D.(McG.)

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

Associate Dean (Graduate and Postdoctoral Studies)

3.4 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

3.5 Graduate Admissions and Application Procedures

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

- Application for admission;
- Admission requirements;
- Application procedures;
- Competency in English; and
- Other information regarding admissions and application procedures for Graduate and Postdoctoral Studies.

3.6 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.

3.7 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.

3.7.1 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.).

3.7.2 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 TmlBeto tfi

- 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 2.7.3: 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.

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 indi

- Policy on Intellectual Property
- Regulations Governing Conflicts of Interest
- Safety in Field Work
- Office of Sponsored Research
- Postdocs
- Research Associates

Admission to the Ph.D. program for year Ph.D. 2 is open competitively to students with a master's degree in Anthropology or Archaeology. In special circumstances, candidates with a master's degree in related disciplines may be admitted to Ph.D. 2. Exceptional students may apply for the Ph.D. program after a bachelor's degree in Anthropology or Archaeology; they then enter the program as Ph.D. 1 and take an additional year of coursework.

3.11.1.3.2 Application Procedures

McGill's online application form for graduate program candidates is available at mcgill.ca/gradapplicants/apply. Department of Anthropology's application documents, deadlines, and fast facts are found at mcgill.ca/anthropology/graduate/admissions.

See [University Regulations & Resources](#) > *Gr*

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 C1 0 0 1 165.e

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.

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

Elective Courses (0-24 credits)

A maximum of 24 credits at the 500 level or higher can be tak

3.11.2 Art History

3.11.2.1 Location

Department of Art History and Communication Studies
McCall MacBain Arts Building, Room 155-B
853 Sherbrooke Street West
Montreal QC H3A 0G5
Telephone: 514-398-2850
Fax: 514-398-8557
Email: graduate.ahcs@mcgill.ca

The candidate is required to pass, with a mark of 65% (B-) or better, all those courses that have been designated by the Department as forming a part of their program. These are the courses that have been entered on the registration form. A few extra courses may be taken, but it is then the responsibility of the student to ensure that they fulfill their course requirements.

section 3.11.2.4: Master of Arts (M.A.) Art History (Thesis) (45 credits)

Please see the departmental [website](#) for more information about this program.

section 3.11.2.5: 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 3.11.2.6: Doctor of Philosophy (Ph.D.) Art History

Please see the Departmental [website](#)

- CV

3.11.2.3.3 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 departmental deadlines and documentation requirements well in advance on the website at mcgill.ca/ahcs/graduate/admissions.

Information on application procedures and deadlines is also available at mcgill.ca/gradapplicants/how-apply/applying-mcgill.

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



Note: There are no Winter or Summer term admissions for the M.A. and Ph.D. programs.

3.11.2.4 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)

Adv

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 univ

3.11.2.7 Doctor of Philosophy (Ph.D.) Art History: Gender and Women's Studies

Students should refer to the Departmental website for information about Ph.D. residence

Notman Photographic Archives and the McGill University Archives). Through initiatives including Le séminaire des nouveaux modernes, our faculty and students maintain close relationships with researchers at Montréal's three other major universities: Concordia University, *Université de Montréal*, and *Université de Québec à Montréal*. Combined with institutional relationships, these informal links connect our students to a broad network of additional courses, lectures, and colleagues across the city.

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

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 lev

See [University Regulations & Resources](#) > [Graduate](#) > [Graduate Admissions and Application Procedures](#) > [section 1.4.4: 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.

3.11.4.32.1 Additional Requirements

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

- Research Proposal – at least 500 words
- Written W

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

OR, one 3-credit course on gender/women's issues at the 500, 600, or 700 level (may be in the Department or outside).

3.11.4.6 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.

3.11.4.7 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 e9 270.285 Tm(ed course)Tj1 0 0 1 242.319 270.285 Tm(w)Tj1 0 0 1

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.

3.11.5 East Asian Studies**3.11.5.1 Location**

Department of East Asian Studies
680 Sherbrooke Street West, Room 0425
Montreal QC H3A 2M7
Telephone: 514-398-3650 or 514-399-9441
Email: asian.studies@mcgill.ca
Website: mcgill.ca/eas

3.11.5.2 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:

- art history;
- cultural studies;
- film and media studies;
- gender and women's studies;
- history and literature; and
- religion both institutional and popular.

The unique curriculum of East Asian Studies allows students to gain an intellectually rich, historically informed, theoretically sophisticated, and materially grounded understanding of China, Japan, and Korea as spaces of dynamic formation and transformation, all while developing proficiency in languages of the region. Graduate students may choose from a wide range of courses offered both by the Department and other departments in the Faculty of Arts, and in other faculties that encourage the development of strong intellectual connections with multiple disciplines.

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

section 3.11.5.4: 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 3.11.5.5: 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.

3.11.5.3 East Asian Studies Admission Requirements and Application Procedures**3.11.5.3.1 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 hav

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

3.11.6 Economics

section 3.11.6.7: Master of Arts (M.A.) Economics (Non-Thesis): Population Dynamics (45 credits)

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

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 3.11.6.8: 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.

Economics Admission Requirements and Application Procedures

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)

3-6 credits from:

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

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

3.11.6.5 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
		M.A. Report 2

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

Required Courses (24 credits)

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

Complementary Courses (3 credits)

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

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

The Population Dynamics Option (PDO) is open to M.A. (non-thesis) students in Economics specializing in Population Dynamics. The purpose of this program is to provide graduate training in demographic methods (including life table analyses) and enhance students' knowledge of critical population issues. As such, students will be required to take a course on demographic methods and a course in microeconomic methods relevant for population studies. In addition, students will take one complementary course in Economics, which focuses on a particular population issue such as population health, migration, aging, family dynamics, and labour markets and skills acquisition. Students will attend at least five of the seminars given in the Social Statistics and Population Dynamics Seminar series. Research topics must be related to population dynamics and approved by the PDO coordinating committee.

Research Project (18 credits)

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

Required Courses (18 credits)

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

Complementary Courses (9 credits)

3-6 credits from:

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

3 credits of a population dynamics course from the following:

ECON 634	(3)	Economic Development 3
ECON 641	(3)	Labour Economics
ECON 734	(3)	Economic Development 4
ECON 741	(3)	Advanced Labour Economics
ECON 744	(3)	Health Economics
SOCI 502	(3)	Sociology of Fertility

0-3 credits at the 500 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.

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 dev

See [University Regulations & Resources](#) > [Graduate](#) > [Graduate Admissions and Application Procedures](#) > [section 1.4.4: 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.

3.11.7.32.1 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

3.11.7.33 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 English Department and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the

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

La durée des études de maîtrise est normalement de deux ans. Dans le cas de la maîtrise avec mémoire, elle comprend deux trimestres pour la scolarité (M.A. I), suivis de la rédaction du mémoire. Dans le cas de la maîtrise sans mémoire, la scolarité s'étend sur trois trimestres, suivis de la rédaction de trois travaux réalisés dans le cadre du FREN 698.

La Commission des admissions du Département peut accorder des dérogations au règlement des inscriptions à la Maîtrise en fonction du dossier de chaque étudiant.

Une partie de la scolarité (maximum de 6 crédits) peut être suivie dans un autre département de McGill qui offre des cours dans le domaine des Humanités de l'annuaire des Études supérieures et postdoctorales, ou dans une autre université, pourvu que les cours et séminaires y soient de même niveau que les cours 600 ou 700 offerts par le Département. Dans tous les cas, l'étudiant doit obtenir l'autorisation de la direction des études de 2e et 3e ces

section 3.11.8.5: Maîtrise ès arts (M.A.) Langue et littérature françaises (avec mémoire): études sur les femmes et le genre (45 crédits) (45 crédits)

Les deux premières sessions du programme de maîtrise sont consacrées à la scolarité, pour les étudiants inscrits à temps complet; ils doivent alors suivre six 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 3.11.8.6: Maîtrise ès arts (M.A.) Langue et littérature françaises (sans mémoire) (48 crédits) (48 crédits)

La maîtrise sans mémoire comprend trois trimestres de séminaires après quoi les étudiants préparent trois travaux de recherche (30 pages chacun) sous la 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).-0.294 /F1 8QBT1 0 0 .u01

3.11.8.3.3 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.

Des informations sur les dates limites de candidature sont disponibles sur mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines.

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

3.11.8.4 Maîtrise ès arts (M.A.) Langue et littérature françaises (avec mémoire) (45 crédits) (45 credits)

Le programme de «maîtrise ès arts en langue et littérature Françaises (avec mémoire) » porte sur l'histoire des littératures française et québécoise, les littératures francophones, de même que sur une variété de sujets connexes: genres littéraires, création littéraire, théorie, histoire de la langue, civilisation. Ce programme vise à favoriser l'apprentissage de la recherche et un début de spécialisation grâce à une initiation aux méthodes de la recherche littéraire et à divers travaux de recherche littéraire et à divers travaux de recherche réalisés sous la direction des professeur-e-s du Département. L'étudiant-e peut présenter un mémoire de critique littéraire ou un mémoire d'écriture littéraire. Le programme est offert à temps plein et à temps partiel. La durée des études de maîtrise est normalement de deux ans.

Mémoire (24 crédits)

FREN 699 (24) M.A. Thesis

Cours ob

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.

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

Le programme de « maîtrise ès arts en langue et littérature françaises (sans mémoire) » porte sur l'histoire des littératures française et québécoise, les littératures francophones, de même que sur une variété de sujets connexes: genres littéraires, création littéraire, théorie, histoire de la langue, civilisation. Ce programme vise à favoriser l'apprentissage de la recherche grâce à une initiation aux méthodes de la recherche littéraire et à divers travaux de recherche réalisés sous la direction des professeur-e-s du Département. Le programme est offert à temps plein et à temps partiel. La durée des études de maîtrise est normalement de deux ans.

Projet de recherche (18 crédits)

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

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.

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

Le programme de « doctorat en langue et littérature françaises » est axé avant tout sur la recherche, c'est-à-dire sur la production d'une thèse qui représente une contribution significative à l'avancement des connaissances. La thèse doit démontrer que l'étudiante.e a reçu une solide formation en critique littéraire, que son savoir, sa maîtrise des documents et d'une méthode lui ouvrent une carrière sérieuse de chercheur.euse et de professeur.e. Il s'agit d'une composition originale, ce qui n'exclut pas le renouvellement d'un sujet déjà traité. Le candidat ou la candidate doit prouver par ce travail qu'il ou elle a acquis une compétence méthodologique suffisante, qu'il ou elle sait délimiter un champ de réflexion, distinguer l'essentiel de l'accessoire, établir et utiliser une bibliographie exhaustive et manier la langue avec justesse. Le programme est conçu pour durer quatre ans.

Thèse

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

Cours obligatoires (3 crédits)

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

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 de niveau 600 ou plus 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 Postdoctoral 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.

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

Le programme de « doctorat en langue et littérature françaises; études sur les femmes et le genre » (Graduate Option in Gender and Women's Studies) est un programme pluridisciplinaire portant sur des questions reliées au genre et aux recherches et méthodologies féministes, et qui remplit en même temps toutes les exigences du programme de doctorat du Département des littératures de langue française, de traduction et de création. Comme tel, il est axé avant tout sur la recherche, c'est-à-dire sur la production d'une thèse qui représente une contribution significative à l'avancement des connaissances et qui doit porter sur un sujet explicitement lié au genre ou aux études sur les femmes. La thèse doit démontrer que l'étudiant.e a reçu une solide formation en critique littéraire, que son savoir, sa maîtrise des documents et d'une méthode lui ouvrent une carrière sérieuse de chercheur.euse et de professeur.e. Il s'agit d'une composition originale, ce qui n'exclut pas le renouvellement d'un sujet déjà traité. Le candidat ou la candidate doit prouver par ce travail qu'il ou elle a acquis une compétence méthodologique suffisante, qu'il ou elle sait délimiter un champ de réflexion, distinguer l'essentiel de l'accessoire, établir et utiliser une bibliographie exhaustive et manier la langue avec justesse. Le programme est conçu pour durer quatre ans.

Thèse

Une thèse de doctorat doit constituer une recherche inédite et représenter un apport distinct au sav

- Sustainability Science and Environmental Management.

Geography houses McGill's *Geographic Information Centre (GIC)*, maintains arctic and subarctic field stations, and has strong ties with McGill's *Bieler School of Environment*. Faculty and students conduct research in fields as diverse as climate change impacts, periglacial geomorphology, and forest resource history in regions ranging from the Arctic to Africa, Southeast Asia, and Latin America.

Being both a natural and a social science, geography pro

section 3.11.9.8: Master of Arts (M.A.) Geography (Thesis): Neotropical Environment (45 credits)

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 15.11.6.4: 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.

section 3.11.9.12: Doctoral 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.

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3.11.9.3 Geography Admission Requirements and Application Procedures

3.11.9.3.1 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. Applicants who have completed a baccalaureate degree in a cognate field, may be admitted to the M.A. or M.Sc. degree.

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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.

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

The Master of Arts in Geography; Thesis — Gender and Women's Studies is a research-based program of 45 credits. The program focuses on interdisciplinary gender and women's studies and issues in feminist research and methods. The thesis must be on a topic that relates to both gender and women's studies and geography.

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

Thesis Courses (30 credits)

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.

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

The Master of Arts in Geography; Thesis — Neotropical Environment is a research-based program of 45 credits. The program is offered in collaboration with the Bieler School of Environment and the Smithsonian Tropical Research Institute (STRI- Panama). The program is focused on environmental issues relevant to the Neotropics and Latin American countries including thematic areas such as geography, environment, biology, agricultural sciences, sociology, and political science. The program favours interdisciplinary approaches to research and learning through the participation of researchers from McGill University and from STRI. Some research and teaching is conducted in Latin America and Panama. The thesis must be on a topic that relates to both the neotropical environment and geography.

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.

3.11.9.11 Doctor of Philosophy (Ph.D.) Geography: Gender and Women's Studies

The Doctor of Philosophy in Geography; Gender and Women's Studies is a research-based program that focuses on interdisciplinary gender and women's studies and issues in feminist research and methods. The thesis must be on a topic that relates to both gender and women's studies and geography.

Thesis

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

Required Courses

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.

3.11.9.12 Doctor of Philosophy (Ph.D.) Geography: Neotropical Environment

The Doctor of Philosophy in Geography; Neotropical Environment is a research-based program offered in collaboration with the Bieler School of Environment and the Smithsonian Tropical Research Institute (STRI- Panama). The program is focused on environmental issues relevant to the Neotropics and Latin American countries including thematic areas such as geography, environment, biology, agricultural sciences, sociology, and political science. The program favours interdisciplinary approaches to research and learning through the participation of researchers from McGill University and from STRI. Some research and teaching is conducted in Latin America and Panama. The thesis must be on a topic that relates to both the neotropical environment and geography.

Thesis

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

Required Courses

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.

3.11.10 History and Classical Studies

3.11.10.1 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

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 W

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.

3.11.10.3.2 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 1.4.4: Application Procedures](#) for detailed application procedures.

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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.

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

The Master of Arts (M.A.) History (Thesis): Gender & Women's Studies offers advanced training in the practice of History as an academic discipline, with an emphasis on feminist, women's, and gender studies. It aims to develop critical reading, writing, and research skills through broad theoretical reflections on the field of history, specialized courses that include courses in Gender & Women's Studies, and a thesis. The program is designed so that it can be completed in one year.

Thesis Courses (27 credits)

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

Required Courses (6 credits)

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

Complementary Courses (12 credits)

12 credits at the 500, 600, or 700 level, selected as follows:

3 credits on gender-related issues;

Up to 6 credits of non-HIST courses may be taken outside the Department.

Credits at the 500 level are normally to be taken as 3-credit courses.

3.11.10.7 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.

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

The M.A. in Classics (Thesis) emphasizes the writing of a major research project. This program is designed for students who are already highly proficient in ancient languages, have a strong foundation in classical studies, and can work independently. This program is designed to be completed in three terms, though many students prefer to complete it in two years.

Thesis Courses (24 credits)

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

Required Courses (6 credits)

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

Complementary Courses (15 credits)

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

3-9 credits from the following:

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

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

3-9 credits from the following:

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

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

3 credits of Classics (CLAS) or Classics-related courses (500-level or higher). Classics-related courses must be chosen in consultation with the student's supervisor.

Examinations

Each candidate for the MA degree must pass three exams: Ancient Greek translation, Latin translation, and classical literature. The exams will be based on a set reading list of classical texts and scholarship. The translation exams will test the student's mastery of ancient Greek and Latin; it is assumed students will require advanced proficiency in each language to pass the relevant exam. The classical literature exam will test the student's general knowledge of important authors and texts in translation and classical scholarship.

All exams will be marked pass/fail and may be taken more than once.

Exams will be taken as 0-credit courses, comparable to PhD comps exams.

Exams must be passed within two years of starting the program and within three attempts, or the student will not be allowed to continue in the program.

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.

3.11.11 Information Studies**3.11.11.1 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

3.11.11.2 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

section 3.11.11.11: 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.

3.11.11.3 Information Studies Admission Requirements and Application Procedures

3.11.11.3.1 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.

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

Ph.D. in Information Studies

1. Applicants should normally have a master's degree in Library and Information Studies (or equivalent). Master's de

not less than 20, or the International English Language Testing System (*IELTS*) with a minimum overall band score of 7.5.

INFS 618	(3)	Practices of Critical Theory and Information Studies
INFS 626	(3)	Usability Analysis and Assessment
INFS 627	(3)	User-Centered Design
INFS 629	(3)	Information Security
INFS 630	(3)	Data Mining
INFS 631	(3)	Data Science for Information Professionals
INFS 633	(3)	Digital Media
INFS 634	(3)	Web System Design and Management
INFS 635	(3)	Computer Programming for Information Professionals
INFS 636	(3)	Government Information
INFS 639	(3)	Introduction to Museology
INFS 641	(3)	Archival Description and Access
INFS 642	(3)	Preservation Management
INFS 645	(3)	Archival Principles and Practice
INFS 649	(3)	Digital Curation.
INFS 650	(3)	Digital Libraries
INFS 656	(3)	Abstracting and Indexing
INFS 657	(3)	Database Design and Development
INFS 660	(3)	Records 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.

Digital Curation.

3.11.11.7 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

3.11.11.8 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)

INFS 607	()	Organization of Information
INFS 649	()	Digital Curation.

Complementary Courses (9 credits)

chosen from the following:

INFS 609	()	Metadata and Access
INFS 633		Digital Media

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 657	(3)	Database Design and Development

3.11.11.10 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 or

3.11.12 International Development

3.11.12.1 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

3.11.12.2 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 3.11.1: Anthropology](#)
- [section 3.11.6: Economics](#)
- [section 3.11.9: Geography](#)
- [section 3.11.10: History and Classical Studies](#)
- [section 3.11.19: Political Science](#)
- [section 3.11.26: Sociology](#)

Further information about this option is available from each of these departments, as well as on the [ISID website](#).

3.11.12.3 International Development Admission Requirements and Application Procedures

3.11.12.3.1 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

- *section 3.11.1: Anthropology*
- *section 3.11.6: Economics*
- *section 3.11.9: Geography*
- *section 3.11.10: History and Classical Studies*
- *section 3.11.19: P*

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 3.11.13.4: 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 b

- 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

3.11.13.3 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Institute of Islamic Studies and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the [Islamic Studies website](#).

Information on application deadlines is available at mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines.

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

3.11.13.4 Master of Arts (M.A.) Islamic Studies (Thesis) (45 credits)

The M.A. in Islamic Studies is a language- and research-intensive program that focuses on the variety of specializations offered at the Institute in humanities and social-science disciplines (history, law, philosophy, literature, Qur'anic studies, gender studies, political science, anthropology), from the classical period to the contemporary era. The program focuses on knowledge of Arabic and/or Persian, with additional Islamic language training offered in Turkish or Urdu for linguistic background in the geographic areas of specialization. The program is normally completed in two years.

Thesis Courses (24 credits)

ISL 600 (6 credits)

Thesis Research 1

ISLA 603	(3)	Introductory: Research Materials - Islamic Studies
WMST 601	(3)	Feminist Theories and Methods

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 to

In addition to Arabic or Persian, all Ph.D. students are required to have completed the equivalent of tw

3.11.14.2 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 3.11.14.4: Master of

3.11.14.3.3 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.

Information on application deadlines is available at mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines.

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

3.11.14.4 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 Thought. (Graduate and Postdoctoral Studies) (719) (Hebrew Literature) (Specialized)

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.

3.11.14.5 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

3.11.15 Languages, Literatures, and Cultures

3.11.15.1 Location

Department of Languages, Literatures, and Cultures
 680 Sherbrooke Street West, Suite 0425
 Montreal QC H3A 2M7
 Telephone: 514-398-3650 or 514-399-9441
 Email: info.llcu@mcgill.ca
 Website: mcgill.ca/langlitcultures

3.11.15.2 About Languages, Literatures, and Cultures

The Department's graduate programs in

- [section 3.11.15.2.2: German Studies](#);
- [section 3.11.15.2.3: Hispanic Studies](#);
- [section 3.11.15.2.4: Italian Studies](#);
- [section 3.11.15.2.5: 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.

3.11.15.2.1 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.

3.11.15.2.2 German Studies

- 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.

section 3.11.15.7: Master of Arts (M.A.) Hispanic Studies (Thesis) (45 credits)

The combination of three courses and one Thesis Preparation course will permit students the 12 credits per term av

- 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; and
-

Graduate students holding a Language Instructorship or who are otherwise employed will normally not be allowed to take more than four courses a year. Students may be required to attend an approved course in English if their knowledge of that language is judged inadequate. All graduate students are expected to attend the staff–student colloquium.

- **Ph.D.:**

M.A. or equivalent.

Hispanic Studies

- **Master's (Thesis or Non-Thesis):**

The graduate program in Hispanic Studies welcomes Canadian and international applicants with a specialization in Hispanic literature as well as from disciplines other than Hispanic Studies. To be admitted to a graduate program in Hispanic Studies, applicants should have completed at least a B.A. degree.

Students without a concentration in Hispanic Studies must have a strong background in Spanish and/or Latin American history, literature, and culture, as well as advanced knowledge of the Spanish language.

Students who have completed a B.A. degree without Honours or Joint Honours are encouraged to apply to the M.A. Program (Thesis or Non-Thesis).

Students who have completed a B.A. degree with Honours or Joint Honours in Hispanic Studies may apply either to the M.A. program (Thesis) or to the Doctoral Program in Hispanic Studies (entering at the PhD 1 level).

Students holding a M.A. degree in Hispanic Studies should apply to the Doctoral Program (PhD 2 level).

Students holding a M.A. degree in a discipline other than Hispanic Studies but closely related to this field are encouraged to apply to the Ad Hoc Doctoral Program (PhD 1 level).

Applicants must demonstrate proficiency in Spanish, and, when appropriate, in Portuguese, as well as 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 graduate program in Italian Studies welcomes Canadian and international applicants with a specialization in Italian literature as well as from disciplines other than Italian Studies. To be admitted to a graduate program in Italian Studies, applicants should have completed at least a B.A. degree.

Students without a concentration in Italian Studies must have a strong background in Italian historyv(.36 history)Tj1 0 0 1 1 501.868 424.9 Tm0F3 8.1 Tvious s with a s

- Interview – for Russian and Slavic Studies only; where appropriate, by telephone if necessary, with members of the Department's Graduate Committee
- Curriculum Vitae

3.11.15.3 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.

Information on application deadlines is available at mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines.

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

3.11.15.4 Master of Arts (M.A.) German (Thesis) (45 credits)

The Master of Arts in German is a 45- credit program exploring German literature, film, culture, literary theory and/or digital humanities. Areas of interest include memory and cinema studies, realism, Berlin, turn-of-the-century Vienna, Kafka, Nietzsche, Goethe, Heine, the Frankfurt School, digital humanities, and cultural analytics. Students must complete a thesis.

Thesis Courses (27 credits)

GERM 690 (9) Thesis Research 1

GERM 691 (9) Thesis Research 2

Thesis Research 39.6 Tm0 07Fu.657 607.183 Tetz2 5s i7p4ust complete a t.888733 Tetz2 5s if1 0 of 67.52 549.307 T

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.

3.11.15.7 Master of Arts (M.A.) Hispanic Studies (Thesis) (45 credits)

The Master of Arts (Thesis) in Hispanic Studies is a 45- credit program focusing on Latin American and Spanish literature, film, culture, and/or digital culture. Students must complete an MA Thesis. Areas of interest include but are not limited to, colonial studies, post- and decolonial studies, spatial theory, cinema, transnationalism, nineteenth-century studies, digital humanities, translation studies, urban studies, e-lit, and computational humanities.

Required Courses (27 credits)

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.

3.11.15.8 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.

3.11.15.9 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
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HISP 713**(3)(3)**

(3)

Research Seminar

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.

3.11.15.12 Master of Arts (M.A.) Russian and Slavic Studies (Thesis) (45 credits)

The M.A. in Russian and Slavic Studies focuses on the tools and expertise needed to situate research in the historical context of modern and contemporary Russian and Slavic cultural history, with an emphasis on recent scholarship, including theoretical, cross-cultural and intermedial developments in the field.

Required Courses (27 credits)

The Thesis Proposal is normally submitted for review by the Department Graduate Committee at the end of the second term of residency. Candidates should consult the Department Thesis Proposal Guidelines prepared by the Graduate Committee of the Russian and Slavic Studies program of the Department of Languages, Literatures and Cultures.

RUSS 691	(3)	M.A. Thesis Proposal
RUSS 692	(24)	M.A. Thesis

Complementary Courses (18 credits)

12-18 credits of 500-level or higher coursework in the Department, in consultation with the Graduate Program Director or Student Supervisor or Department Graduate Committee.

0-6 credits of 500-level or higher coursework outside the Department, subject to approval by the Graduate Program Director or Student Supervisor or Department Graduate Committee.

3.11.15.13 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: 0 0 1 70.52 399.683 3.545.5.5.5o5.5o5.5 thesis and languages, 1 0 0 1 165.864 653.5.5.5.5o)

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.

3.11.15.14 Doctor of Philosophy (Ph.D.) Russian and Slavic Studies

The Ph.D. in Russian and Slavic Studies focuses on the tools and expertise needed to produce original research in and demonstrate an overview of the historical context of modern and contemporary Russian cultural history, with emphasis on recent scholarship, including theoretical, cross-cultural and intermedial developments in the field, and reaching out, where appropriate, from a purely Russo-centric focus into other Slavic cultures.

Thesis

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

Required Courses

RUSS 700	(0)	Ph.D. Tutorial
RUSS 701	(0)	Ph.D. Comprehensive Examination
RUSS 702	(0)	Ph.D. Thesis Proposal
RUSS 760	(0)	Pre-Petrine Foundation
RUSS 770	(0)	18th Century Foundation

Complementary Courses (12-18 credits)

12-18 credits at the 600-level or higher, depending on whether the student enters at the Ph.D.1 or Ph.D.2 level.

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

Language Requirement

Proficiency in Russian, functional ability in English and in French, and proficiency in a second Slavic language, if relevant to the research topic and where deemed appropriate by the Department Graduate Committee.

3.11.16 Linguistics

3.11.16.1 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

3.11.16.2 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
-

311.16321 Additional Requirements

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

- Statement of Research Interests
- Curriculum Vitae
- Writing Sample

3.11.16.3.3 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 v

Complementary Courses (24 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

9-15 credits in Linguistics at the 500, 600, or 700 level.

0-3 credits in a related field at the 500, 600, or 700 level, chosen in consultation with the supervisor and the graduate program director.

3.11.16.6 Doctor of Philosophy (Ph.D.) Linguistics

The Ph.D. in Linguistics provides training in the fundamentals of theoretical and experimental linguistics. The program culminates in the preparation of a 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 707s kno	(0)	Ph.D. Evaluation 2

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 follo

(3)

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

3.11.17 Mathematics and Statistics

3.11.17.1 Location

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

3.11.17.2 About Mathematics and Statistics

The Department of Mathematics and Statistics offers programs that can be focused on applied mathematics, pure mathematics, and statistics leading to master's (M.A. or M.Sc.) and Ph.D. degrees. The research areas are:

- Algebra;
- Algebraic Geometry;
- Analysis;
- Category Theory;
- Data Science;
- Discrete Mathematics;
- Differential Geometry;
- Dynamical Systems;
- Geometric Group Theory;
- Logic;
- Mathematical Biology;
- Mathematical Economics;
- Mathematical Physics;

- Mathematics of Machine Learning;
- Number Theory;
- Numerical Analysis;
- Optimization;
- Partial Differential Equations;
- Probability;
- Statistics.

In the basic master's programs, students must choose between the thesis option and the non-thesis option, which requires a project. The Ph.D. program in Mathematics the hu 7. program in

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.

3.11.17.3.2 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 1.4.4: Application Procedures](#) for detailed application procedures.

3.11.17.3.2.1 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 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.

3.11.17.3.3 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.

Information on application deadlines is available at mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines.

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

3.11.17.4 Master of Arts (M.A.) Mathematics and Statistics (Thesis) (45 credits)

The Master of Arts (M.A.) in Mathematics and Statistics; Thesis is an advanced program focusing on the areas of applied mathematics, pure mathematics, and statistics.

Thesis Courses (24 credits)

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.

3.11.17.5 Master of Arts (M.A.) Mathematics and Statistics (Non-Thesis) (45 credits)

The Master of Arts (M.A.) in Mathematics and Statistics; Non-Thesis is an advanced program focusing on the areas of applied mathematics, pure mathematics, and statistics.

Research Project (16 credits)

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.

3.11.17.6 Doctor of Philosophy (Ph.D.) Mathematics and Statistics

The Ph.D. in Mathematics and Statistics focuses on research in the mathematical or statistical sciences, including the completion of original research publishable in mainstream refereed journals.

Thesis

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

Required Courses

MATH 701 (0) Ph.D. Qualifying Examination

Complementary Courses (21 credits)

21 credits of courses at the 500 level or above, including at least 6 credits at the 600 level or above. . A maximum of 4 credits of courses can be Pass/Fail courses. The choice of courses to fulfill this requirement must be prior approved by the student's Advisory Committee. The Department recommends that students take complementary courses in at least three different areas of Mathematics and Statistics.

All credits of complementary courses should be taken before the end of PhD 3. In exceptional circumstances, an extension can be granted by the student's Advisory Committee.

Students who wish to take more than 8 credits of complementary courses from outside the Department should request approval from the Graduate Program Director.

3.11.18 Philosophy

3.11.18.1 Location

Department of Philosophy
Stephen Leacock Building, 9th floor
855 Sherbrooke Street West
Montreal QC H3A 2T7
Email: info.philosophy@mcgill.ca
Website: mcgill.ca/philosophy

3.11.18.2 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.

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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

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The Department considers an adequate undergraduate training in philosophy to be one that provides a student with:

1. a general knowledge of the history of Western philosophy: Greek, Medieval, Modern;
2. a systematic knowledge of the main philosophical disciplines in their contemporary as well as historical contexts: logic, ethics, epistemology, and metaphysics;
3. an ability to present, in written form, clear and substantial reconstructions and analyses of the materials normally studied in the areas mentioned in (1) and (2).

To demonstrate their competence in these areas, applicants must submit transcripts of academic work, three letters of recommendation from persons with whom they have studied, and at least one substantial example (approximately 15–20 typewritten pages) of their written philosophical work.

In addition, applicants from North America whose first language is English are strongly encouraged to submit scores of the *Graduate Record Examination* (GRE). Applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English (*TOEFL* score).

M.A. (Bioethics)

Students applying to the Bioethics Specialty program must write an M.A. thesis proposal. All applications to this program must also receive the approval of the Director of the Specialty program. Students who apply for this program should note that they must participate in a practicum, which continues beyond the end of their second term of classes.

3.11.18.3.2 Application Procedures

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

3.11.18.5 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 minor:3hx 5

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.

3.11.18.6 Doctor of Philosophy (Ph.D.) Philosophy: Environment

This program is currently not offered.

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

Thesis

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

Required Courses (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
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PHIL 607	(6)	Pro-Seminar 1
PHIL 682	(6)	Pro-Seminar 3

Language Requirement

One research language at the advanced level or two research languages at the intermediate level.

3.11.18.8 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)

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

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.

3.11.19 Political Science

3.11.19.1 Location

Department of Political Science
Stephen Leacock Building, 4th Floor
855 Sherbrooke Street West
Montreal QC H3A 2T7
Email: graduate.polisci@mcgill.ca
Website: mcgill.ca/politicalscience

3.11.19.2 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.

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.

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 students applying for the option in Gender and Women's Studies. However, thesis students will be permitted to switch into the regular non-thesis program (one time only) while completing their coursework. Non-thesis Gender Studies students will also have the option to switch into the regular thesis stream (one time only).

section 3.11.19.4: 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 3.11.19.5: 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 3.11.19.6: 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,

section 3.11.19.6: Master of Arts (M.A.) Political Science (Thesis): European Studies (45 credits)

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 3.11.19.7: 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 3.11.19.8: 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 3.11.19.9: 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 3.11.19.10: 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 3.11.19.11: 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 Advisor, and subject to approval by the Department, and a statistics-based M.A. research paper in conjunction with an interdisciplinary capstone seminar. See mcgill.ca/socialstatistics. 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 3.11.19.12: 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 3.11.19.13: 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.

3.11.19.3 Political Science Admission Requirements and Application Procedures

3.11.19.3.1 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 enroll as Special Students in the undergraduate program and take upper-level undergraduate courses to build the academic record necessary to apply to the graduate program.

Master's

Students holding a B.A. degree may be eligible for admission to the M.A. program. Preparation equivalent to a McGill Honours degree in Political Science is desirable.

Ph.D.

Students holding a master's degree in political science may be eligible for admission to the Ph.D. program. In some instances, outstanding students with a B.A. in Political Science may be admitted directly into the Ph.D. program without having completed an M.A. degree. They will be considered Ph.D. 1.

Reference Letters

All applicants, including those who have done their undergraduate work at McGill, must submit two letters of reference. It is recommended that you contact your referees at least a month in advance of the deadline. **Applications that do not have references by application deadline will not be considered.**

TOEFL Exams

Applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian/American institution (anglophone or francophone), must submit *TOEFL* scores. A minimum score of 100 on the Internet-based test (iBT), with each component score not less than 20 is required for admission. Please use the codes McGill **0935** – Political Science **89** when writing the TOEFL exam. The *IELTS* (International English Language Testing Systems) with a minimum overall band of 6.5 is also acceptable. Files will not be considered unless TOEFL/IELTS scores are received before the application deadline. IELTS test scores must be sent electronically by IELTS directly to McGill University using the McGill code **0935**.

For more information, consult the *TOEFL*, and *IELTS* websites.

3.11.19.3.2 Application Procedures

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

See [University Regulations & Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.4: Application Procedures](#) for detailed application procedures.

3.11.19.3.2.1 Additional Requirements

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

- research statement – M.A. – maximum one (1) page single-spaced, a concise academic statement
- research statement – Ph.D. – maximum two (2) pages single-spaced, a concise academic statement
- writing sample – Ph.D. only

3.11.19.3.3 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Political Science and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program.

Information on application deadlines is available at mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines.

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

3.11.19.4 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 I

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

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.

3.11.19.5 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

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.

3.11.19.6 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) The European Union and Europe
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

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) Race, Ethnicity, and Politics
POLI 628 (3) Comparative Politics
POLI 629 (3) Politics of Eurasia
POLI 630 (3) Topics in European Politics
POLI 639 (3) Themes in Comparative Politics 1
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 lev

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

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 (or studies of the environment) as listed in the 2013-2014 Undergraduate Catalog (see list in appendix A.326.252 517.432oth(v)Tj1 0 0 1 326.252 517

6-9 credits from the following group of courses on European Politics:

POLI 619	(3)	Race, Ethnicity, and Politics
POLI 628	(3)	Comparative Politics
POLI 629	(3)	Politics of Eurasia
POLI 630	(3)	Topics in European Politics
POLI 639	(3)	Themes in Comparative Politics 1
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.

3.11.19.10 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

A thesis for the doctoral de

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.

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3.11.20.2 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.

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 and cognitive neuroscience;
- developmental science;
- health psychology;
- quantitative psychology and modelling; and
- social and personality psychology.

Facilities for advanced research in a variety of fields are available within the Department itself. In addition, arrangements exist with the Departments of Psychology at the Montreal Neurological Institute and Hospital, Allan Memorial Institute, Douglas Mental Health University Institute, Jewish General Hospital, Montreal Children's Hospital, and Montreal General Hospital to permit graduate students to undertake research in a hospital setting.



Note: Many MUHC-affiliated hospitals and institutes are now located at the Glen site; further information is available on the [MUHC website](#).

For inquiries about all programs and financial aid, and for application forms, contact the [Graduate Program Administrator](#).

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.

section 3.11.20.4: 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 e

section 15.11.9.7: 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.

3.11.20.3 Psychology Admission Requirements and Application Procedures

3.11.20.3.1 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 Major degree (B.A. or B.Sc.) in Psychology. This usually includes an introductory course plus twelve courses in psychology (each equivalent to three term hours). Courses in experimental psychology, the theoretical development of modern ideas in psychology, and statistical methods as applied to psychological problems (equivalent to an introductory course) are essential. Applicants' knowledge of relevant biological, physical, and social sciences is considered. Students applying to the clinical program are advised to complete 42 specific undergraduate credits in psychology as specified by the *Order of Psychologists of Quebec (Ordre des psychologues du Québec)*.

Applicants who hold a bachelor's degree but who have not met these usual requirements should consult the Graduate Program Director to determine which (if any) courses must be completed before an application can be considered. Students with insufficient preparation for graduate work may register as Special Students (undergraduate level) in the Faculty of Arts or the Faculty of Science, and follow an appropriate course of study. Such registration requires the permission of the Department but carries no advantage with respect to a student's eventual admission to graduate studies.

Applicants should note that the deadline for many scholarships and fellowships is about four months earlier than the application deadlines and that applications for scholarships and fellowships should be submitted through their home university.

The *GRE* General Test as well as the Psychology Subject Test are not mandatory, but if you wish to take either or both, your scores can be submitted to us and will be added to your application.



Note: Official transcripts do not need to be included as part of an application; they will only be requested once applicants are formally accepted into the program.

English Language Proficiency

For graduate applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized Canadian or American (English or French) institution or from a recognized foreign institution where English is the language of instruction, documented proof of English proficiency is required prior to admission. For a list of acceptable test scores and minimum requirements, visit mcgill.ca/gradapplicants/international/proficiency.

3.11.20.3.2 Application Procedures

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

See [section 1.4.4: Application Procedures](#) for detailed application procedures.

3.11.20.3.2.1 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](#).

3.11.20.3.3 Application Dates and Deadlines

PSYC 690	(15)	Masters Research 1
PSYC 699	(12)	Masters Research 2

Required Courses (18 credits)

PSYC 601	(6)	First Year Research Paper
PSYC 650	(3)	Advanced Statistics 1
PSYC 651	(3)	Advanced Statistics 2
PSYC 660D1	(3)	Psychology Theory
PSYC 660D2	(3)	Psychology Theory

3.11.20.5 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

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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
Psychology PsoryPsy)	(3)	Psychology Theory

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

Psychotherapy and Behaviour Chanv1:QC1 0 0 1 31 0 0 1 301.791 662.68 J1 0 0 1 22 70.522D1678.4 Tm(PSYC 750)T

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.

3.11.20.8 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

3.11.21 Public Policy

3.11.21.1 Location

Max Bell School of Public Policy
McGill University
680 Sherbrooke Street West, Suite 600
Montreal QC H3A 2M7
Telephone: 514-398-1937
Email: maxbell.school@mcgill.ca
Website: mcgill.ca/maxbellschool

3.11.21.1.1 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

you to ask key questions and ensure that the Max Bell School MPP 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 MPP experience.

3.11.21.23 Application Dates and Deadlines

The deadline to complete your application is January 15th (international applicants) or February 1st (Canadian applicants), including submission of all

PPOL 617	(3)	Indigenous Public Policy
PPOL 618	(3)	Special Topics in Pub Policy 1
PPOL 619	(3)	Special Topics in Pub Policy 2

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

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3.11.22.2 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
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The many different areas of research interest among members of the School frequently require the hiring of graduate students as research assistants. The School also seeks to train young scholars in the art of lecturing/teaching; to this end, it has created opportunities for Ph.D. students to teach courses and permits M.A. and Ph.D. students to work as teaching assistants. The individual programs are described below.

Adequate library and study facilities are available in the *William and Henry Birks Building* and elsewhere in the University for the courses listed and for research.

Language Requirements

The School of Religious Studies offers courses in primary text source languages, such as Biblical Hebrew, Ancient Greek, Aramaic, Sanskrit, and classical literary Tibetan. The School relies upon other McGill units for instruction in languages other than those mentioned above.

- **M.A.**

Students are required to give their area committee evidence of reading knowledge of a scholarly language other than English. This language may be either a modern language in which there is a significant amount of scholarship relevant to the student's area of research, or a classical language relevant to the student's area of research. If a classical language is chosen, it must be in addition to any prerequisite language for the area in question.



Note: The M.A. with specialization in Bioethics is exempted; language requirements, if any, will be determined in the process of supervision.

- **Ph.D.**

Students are required to give their area committee evidence of reading knowledge of two languages other than English. These languages must be chosen from modern languages in which there is a significant amount of scholarship rele

section 3.11.23.9: Doctor of Philosophy (Ph.D.) Religious Studies

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 3.11.23.10: Doctor of Philosophy (Ph.D.) Religious Studies: Gender and

For graduate applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized Canadian or

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.

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

The Master of Arts (M.A.) Religious Studies; Gender and Women's Studies focuses on cross-disciplinary studies in feminist, women's, and gender studies. The Thesis must focus on research on gender-related issues and feminist research and methodologies.

Thesis Courses

27 credits from:

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.

3.11.23.7 Master of Arts (M.A.) Religious Studies (Non-Thesis) (45 credits)

The Master of Arts (M.A.) in Religious Studies; Non- Thesis Is a course-based program that emphasizes engaging and innovative learning opportunities. It focuses on skills in resourceful thinking, academic writing, and communication.

Research Project (9 credits)

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)

(3)

Honours Seminar

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.

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.

3.11.24 Social Studies of Medicine

3.11.24.1 Location

Department of Social Studies of Medicine
3647 Peel Street
Montreal QC H3A 1X1
Telephone: 514-398-6033
Email: dept.ssom@mcgill.ca
Website: mcgill.ca/ssom

3.11.24.2 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 and non-thesis programs, given jointly with the Department of Sociology.

In each program, the student may work toward the M.A. and Ph.D. degrees. All degrees are awarded by the relevant Faculty of Arts department. For further information regarding those departments, please consult the [section 3.11.1: Anthropology](#) or [section 3.11.26: Sociology](#) sections.

The Department (SSOM) is interdisciplinary, with faculty in the fields of medical anthropology and medical sociology. In its graduate programs, it attempts to provide two things: training that is solidly grounded in the discipline of the chosen program, i.e., in anthropology or sociology; and, through seminars and interaction with Department members and other graduate students, exposure to the other disciplines that are represented in the Department. The Department aims to instill in its graduates a combination of disciplinary competence and interdisciplinary perspective.

[section 3.11.1.8: Master of Arts \(M.A.\) Medical Anthropology \(Thesis\) \(45 credits\)](#)

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 kno

section 3.11.25.10: 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 3.11.25.11: 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 3.11.25.12: 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

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.

The Qualifying Year is currently closed for admissions

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

3.11.25.6 Master of Social Work (M.S.W.) Social Work (Thesis) (45 credits)

The School of Social Work at McGill University prepares graduates for careers and leadership in the fields of social work and social welfare. In the M.S.W. program, students develop an understanding of a broad range of theories which inform practice, policy, and research. Envisioned as an opportunity to advance knowledge and skills, students are encouraged to immerse themselves in an area of scholarship and practice related to "Children and Families," "Social Care and Health Studies," and "Community and International Development." In addition, students investigate a subject matter of their choice in one of these broad areas of study through an independent study project or a master's thesis. Through the M.S.W. program, students develop critical and innovative approaches to practice competence and to policy analysis such that they may contribute to both established social services and to new and less developed areas of service provision.

Thesis Courses (27 credits)

SWRK 698	(12)	Thesis Research 1
SWRK 699	(15)	Thesis Research 2

Required Courses (6 credits)

SWRK 605	(3)	Anti-Racist Social Work Practice
SWRK 653	(3)	Research for Social Justice

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.

3.11.25.7 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 hav

3 credits from the following:

WMST 602 (3) Feminist Research Symposium

WMST 602 (3) Feminist Research Symposium

OR

3 credits of WMST at the 500 or 600 level;

OR

3 credits of 500- or 600-level courses in another department or discipline approved as a complementary course to the Option in Gender and Women's Studies

Complementary Courses - Social Work (15 credits)

15 credits of SWRK courses at the 500 or 600 level. Up to 6 graduate-level credits may be taken outside the School of Social Work with the approval of the Academic Adviser.

Required Courses - Law (47 credits)

First Year

The following 33 credits of courses may be taken only in the first year:

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

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:

BUS 130 with the approval of the Academic Adviser (1 credit)
LAW 101 (1 credit)
LAW 102 (1 credit)
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PRV3 200	(3)	Advanced Common Law Obligations
PRV3 534	(3)	Remedies
PRV4 500	(3)	Restitution
PRV4 549	(3)	Equity and Trusts
PRV5 582	(3)	Advanced Torts

Social Diversity, Human Rights and Indigenous La

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
LAWG 561	(3)	Privacy Law
LAWG 581	(3)	Health Care Delivery and the Law
LAWG 583	(3)	Public Health Law and Policy.
LEEL 369	(3)	Labour Law
LEEL 570	(3)	Employment Law
LEEL 582	(3)	Law and Poverty
PRV4 545	(3)	Land Use Planning
PRV5 483	(3)	Consumer Law
PUB2 400	(3)	The Administrative Process
		Judicial Review of WG 561

SWRK 723

(3)

Advanced Seminar on Social Policy

One of the following courses:

Advanced Research Methods and 3)Advanced RQualitatiTj1 0 0 1 3284.757675.564Tm(A)Tj1 0 0 1 2388.686675.564T

section 3.11.26.4: 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 3.11.26.5: 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 3.11.26.6: 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 3.11.26.8: Master of Arts (M.A.) Sociology (Thesis); Population Dynamics (45 credits)

The M.A. in Sociology; Population Dynamics program graduate training in sociology with an emphasis on demographic methods and critical population issues. Students will attend at least five of the seminars given in the Social Statistics and Population seminar series. The thesis must be on a topic related

section 3.11.26.14: 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 3.11.26.15: 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 3.11.26.16: Doctor of Philosophy (Ph.D.) Sociology: Population Dynamics

This program aims to provide advanced graduate training in demographic methods (including life table analyses) and enhance students' knowledge of critical population issues. As such, students will be required to take a course on demographic methods and an substantive overview course on the key population issues facing societies today. In addition, students will take one complementary course in Sociology; Economics; or Epidemiology, Biostatistics, and Occupational Health, which focuses on a particular population issue such as population health, migration, aging, family dynamics, and/or labour markets and skills acquisition. Students will attend at least five of the seminars given in the Social Statistics and Population Dynamics Seminar series. Dissertation topics must be related to population dynamics and approved by the Population Dynamics Option (PDO) coordinating committee.

3.11.26.3 Sociology Admission Requirements and Application Procedures**3.11.26.3.1 Admission Requirements**

Applicants—whether for an M.A. or Ph.D. program—should ideally have a bachelor's degree with a standing equivalent to a cumulative grade point average (CGPA) of 3.3 or better out of a possible 4.0. The degree may be in sociology or another relevant social science. In the latter case, applicants may be required to take additional sociology courses to fill gaps in their background.

The strength of an applicant's academic record is of key importance in considering their application for admission. The Graduate Admissions Committee assesses applications to both the M.A. and Ph.D. programs on the basis of the following **required materials**: (1) transcripts for all coursework pursued at the post-secondary level (including those involving transfer credits); (2) two reference letters; (3) proof of English language proficiency (e.g., TOEFL) only in certain cases; (4) a personal statement (maximum of 1,000 words, double-spaced); (5) a writing sample (maximum 30 pages); and (6) a CV. Please note that the GRE is no longer required for admission to the Sociology program.

The department's acceptance rate (approximately 10% of the applicant pool) means that admission to our program is quite competitive.

All applicants are required to submit a personal statement (maximum 1,000 words, double-spaced). That statement should: (1) outline the applicant's areas of academic interest (e.g., proposed research topic); (2) identify faculty members of interest (e.g., possible supervisors) and with whom the applicant's research interests align; and (3) discuss future academic and/or career plans. All applicants are strongly encouraged to contact faculty members with whom they may wish to work—in advance of applying—to ascertain their availability (e.g., ensure they will not be on leave, are available to take on more students).

Applicants whose mother tongue is not English and who have not completed a degree from a recognized institution where English is the main language of instruction are required to provide proof of English language proficiency. For further information, see *McGill's requirements on English language proficiency*. International students may also contact *McGill's International Student Services* at 514-398-4349 for more information.

Applicants who are missing most of the prerequisite courses can be admitted to a Qualifying semester or year, during which they can take the prerequisite courses. During the Qualifying period, students must take a minimum of 12 credits (4 courses) per semester. No more than one Qualifying year is permitted. Each course must be passed with a grade of B+ or higher to be considered for admission to the M.A. program. Admission to the Qualifying semester or year does not mean automatic admission to the graduate program afterwards. Applicants admitted for a Qualifying semester or year must reapply for the M.A. program; chances for admission depend on performance during the Qualifying period and the quality of the overall application compared with other applicants at that time. No funding is available for students taking a Qualifying semester or year.

Applicants are expected to have taken courses in statistics, research methods, and sociological theory at the undergraduate level.

The program of study aims to provide students with an in-depth comprehension of a major field in sociology, current sociological research methodologies, and some of the fundamental theoretical issues in the discipline. Three terms of residence study is the minimum requirement for a master's degree. For the doctoral program, three years is the minimum residency requirement for students entering at the Ph.D. 1 level (those students without an M.A.) and two years for students entering at the Ph.D. 2 level (those with an M.A.).

3.11.26.3.2 Application Procedures

The department only offers admission in the fall. The online application process for admission to our M.A. and Ph.D. programs opens annually in September (for the following fall) through *McGill's online graduate admissions system*. The deadline to apply for the Fall term is January 7th.

Note: It is the applicant's responsibility to ensure that ALL supporting documents are received **by the January 7th** deadline. Incomplete applications will not be considered.

SOCI 513	(3)	Social Aspects HIV/AIDS in Africa
SOCI 519	(3)	Gender and Globalization
SOCI 520	(3)	Migration and Immigrant Groups
SOCI 529	(3)	Political Sociology 1
SOCI 545	(3)	Sociology of Population
SOCI 550	(3)	Developing Societies
SOCI 555	(3)	Comparative Historical Sociology
SOCI 560	(3)	Labour and Globalization
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 720	(3)	Reading in Social Theory
SOCI 730	(3)	Reading and Research

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

The M.A. in Sociology; Gender and Women's Studies provides advanced methodological training in sociology with an emphasis on issues in gender and women's studies. The thesis must be on a topic relating to gender and women's studies and approved by the supervisor and by participating faculty members in the Gender and Women's Studies program

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 t 2 199q ha44t haHTj1 08opd hst

WMST 602 (3) Feminist Research Symposium

or one 3 credit course on gender/women's studies issues at the 500, 600, or 700 level (may be taken outside the Department).

3.11.26.7 Master of Arts (M.A.) Medical Sociology (Thesis) (45 credits)

The M.A. in Medical Sociology is offered jointly with the Department of Social Studies of Medicine. The program provides advanced methodological training in sociology and medical sociology. The thesis must be on a topic approved by the supervisor and by participating faculty members in the Department of Social Studies of Medicine.

Thesis Courses (27 credits)

SOCI 690	(3)	M.A. Thesis 1
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.

3.11.26.8 Master of Arts (M.A.) Sociology (Thesis); Population Dynamics (45 credits)

The M.A. in Sociology ; Population Dynamics program graduate training in sociology with an emphasis on demographic methods and critical population issues. Students will attend at least five of the seminars given in the Social Statistics and Population seminar series. The thesis must be on a topic related to population dynamics and approved by the Population Dynamics Option (PDO) coordinating committee.

SOCI 693	(3)	M.A. Thesis 4
SOCI 694	(18)	M.A. Thesis 5

Complementary Courses (3 credits)

3 credits at the 500 lev

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)	Migration Governance and Stratification
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

3.11.26.10 Master of Arts (M.A.) Sociology (Non-Thesis): Development Studies (45 credits)

The research essay must be on a topic relating to development studies, approved by the Development Studies Option (DSO) coordinating committee.

Research Project (18 credits)

SOCI 696	(3)	Research Paper 1
SOCI 697	(3)	Research Paper 2
SOCI 699	(12)	Research Paper 4

Required Courses (21 credits)

INTD 657	(3)	Development Studies Seminar
SOCI 504*	(3)	Quantitative Methods 1
SOCI 580*	(3)	Social Research Design and Practice
SOCI 600*	(3)	Qualitative Research Methods 1
SOCI 603	(3)	Bibliographic Methods 1
SOCI 604	(3)	Bibliographic Methods 2
SOCI 625D1*	(0)	Professional Development Seminar in Sociology
SOCI 625D2*	(0)	Professional Development Seminar in Sociology
SOCI 652*	(3)	Current Sociological Theory

* All students must have taken these courses

3.11.26.11 Master of Arts (M.A.) Sociology (Non-Thesis): Gender and Women's Studies (45 credits)

The M.A. in Sociology; Non-Thesis - Gender and Women Studies provides advanced methodological training in sociology and exposure to research in different areas of sociology with a focus on gender and women's studies. The research paper must be on a topic relating to issues of gender and women's studies and approved by the supervisor and by participating faculty members in the Gender and Women's Studies program.

Research Project (18 credits)

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. (0)Tj1 0sem 401.662 Tm(e Committee must substitute and

Complementary Cour95.035nothv

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-lev

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

Complementary Courses

(15-27 credits)

12 credits from substantive courses at the 500 level or higher offered by the Department subject to the approval of the Graduate Committee.

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)	Migration Governance and Stratification
SOCI 601	(3)	Qualitative Research Methods 2
SOCI 620	(3)	Quantitative Methods 2

Fix

3 credits from one of the following streams:

SOCI 601	(3)	Qualitative Research Methods 2
SOCI 602	(3)	Comparative-Historical Methods

Quantitative Stream:

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

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. on.069 438.32 Tn

Research proposal is subject to Department approval and to approval by the participating faculty members in the Gender and Women's Studies program.

Complementary Courses (9-21 credits)

3 credits from one of the following streams:

Qualitative Stream

3 credits from the following:

SOCI 601	(3)	Qualitative Research Methods 2
SOCI 602	(3)	Comparative-Historical Methods

Quantitative Stream

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

6 credits from the following 500-, 600-, or 700-level courses, 3 of the 6 credits must be on Gender & Women's Issues, chosen from among the following:

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 Indigenous W

SOCI 620

(3)

Quantitative Methods 2

Fix

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

(9-21 credits)

3-6 credits within the Department from the following:

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 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

0-3 credits 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 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

4 Faculty of Dental Medicine and Oral Health Sciences

4.1 Graduate and Postdoctoral Studies

4.1.1 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)

4.1.2 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.

4.1.3 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.

4.2 Important Dates

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

4.3 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.

4.4 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

4.5 Graduate Admissions and Application Procedures

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

- Application for admission;
- Admission requirements;
- Application procedures;
- Competency in English; and
- Other information regarding admissions and application procedures for Graduate and Postdoctoral Studies.

4.6 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.

4.7 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.

4.7.1 Postdocs

Postdocs are recent graduates with a Ph.D. or equi

research granting agencies or the collective agreement, as applicable. Funding during parental leave is subject to the conditions of the funding agency or the collective agreement, as applicable.

iii. Postdocs require a *Letter of Agreement for Postdoctoral Education* signed by the postdoc, the supervisor, and the department/unit head or delegate.

iv. Postdocs with full responsibility for teaching a course should be compensated over and above their postdoctoral funding as course lecturers. This applies to all postdocs, except those for whom teaching is part of the award.

v. The amount of research, teaching, or other tasks that postdocs engage in over and above postdoctoral activities should conform to the regulations for postdocs specified by the Canadian research council of their discipline or the collective agreement. This applies to all postdocs, including those whose funding does not come from the Canadian research councils.

4. Privileges

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

ii. Postdocs hav

- to sign and adhere to their Letter of Agreement for Postdoctoral Education;
- to communicate regularly with their supervisor; and
- to inform their supervisor of their absences.

vii. Some examples of the responsibilities of the University are:

- to register postdocs;
- to provide an appeal mechanism in cases of conflict;
- to provide documented policies and procedures to postdocs;
- to provide postdocs with the necessary information on McGill University student services (Postdoctoral Fellows and Scholars) and HR policies and guidelines (Postdoctoral Researchers).

Approved by Senate, April 2000; revised May 2014; February 2020.

4.7.3 Vacation Policy for Postdocs

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

4.7.4 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

- 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.

4.8 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
- 156067. 1 381.693 518.ies pr Reread Polic

4.11 Browse Academic Units & Programs

The programs and courses in the following sections have been approved for the 2024–2025 session as listed.

4.11.1 Faculty of Dental Medicine and Oral Health Sciences

4.11.1.1 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

4.11.1.2 About Faculty of Dental Medicine and Oral Health Sciences

section 4.11.1.5: 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 4.11.1.4: 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.

This program also includes the Clinician-Scientist Pathway (MSc-DMD). If admitted through this pathway, the candidate would start with their graduate studies and complete their two-year Master's of Dental Science (Thesis) degree before moving to the first year of the Doctor of Dental Medicine Program (DMD) and complete the four years of their professional dentistry training.

section 4.11.1.6: 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 manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

section 4.11.1.7: Graduate Diploma (Gr. Dip.) Oral Medicine (30 credits)

The Graduate Diploma in Oral Medicine provides specialty education of clinical practice supported by the appropriate foundations of knowledge and teaching. Training includes diagnosis and management of oral mucosal diseases, temporal mandibular joint disorders (TMD) and orofacial pain and other neurosensory disorders, oral manifestations of systemic disease, non-surgical salivary gland disorders, and oral/dental management of complex, medically compromised patients. Successful completion of this three-year program leads to eligibility to sit the Royal College of Dentists (Canada) Fellowship and specialty exam.

4.11.1.3 Dental Admission Requirements and Application Procedures

4.11.1.3.1 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.

4.11.1.3.2 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 1.4.4: Application Procedures](#) for detailed application procedures.

4.11.1.3.3 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.

Information on application deadlines is available at mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines.

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

4.11.1.4 Master of Science (M.Sc.) Dental Sciences (Thesis) (45 credits)

The Master of Science (M.Sc.) in Dental Sciences program focuses on diverse research areas, including biomaterials, mineralized tissues, nanobiotechnology, tissue engineering, pain, epidemiology, public health, Indigenous health, oral health research, dental education, and knowledge translation.

Thesis Courses (24-33 credits)

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 601	(3)	Quantitative Data Analysis for Oral Health Research
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 505	(3)	Epidemiology and Data Analysis in Primary Care 1
DENT 509	(3)	Epidemiology and Data Analysis in Primary Care 2
DENT 610	(3)	Introduction to Craniofacial Research
DENT 654	(3)	Mechanisms and Management of Pain
DENT 664	(1)	Health Research Communications
DENT 665	(1)	Leadership and Management Skills in Research
DENT 672	(1)	Applied Mixed Methods in Health Research
DENT 679	(3)	Epidemiology and Data Analysis in Primary Care 3
DENT 681	(1)	Readings in Dentistry and Health Research 1
DENT 682	(2)	Readings in Dentistry and Health Research 2

DENT 683	(3)	Readings in Dentistry and Health Research 3
DENT 685	(3)	Theory of Dental Public Health
DENT 686	(2)	Illness Experience and Social Determinants of Health
DENT 688	(3)	Bone Mechanobiology
EPIB 621	(4)	Data Analysis in Health Sciences
EPIB 635	(3)	Clinical Trials
EXMD 610	(3)	Molecular Methods in Medical Research

Other complementary 500- or 600-level courses may be taken with the approval of the supervisor or the research director and GPS.

4.11.1.5 Master of Science (M.Sc.) Dental Sciences (Non-Thesis) (45 credits)

The Master of Science (M.Sc.) Dental Sciences; Non-Thesis program focuses on theoretical and methodological foundations spanning multiple approaches to health research.

Required Courses (24 credits)

DENT 601	(3)	Quantitative Data Analysis for Oral Health Research
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
Ir671D2(3)	(3)	Theory of Dental Public Health

DENT 688	(3)	Bone Mechanobiology
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.

4.11.1.6 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 (9 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 786	(6)	Foundations in Oral Health Science

Complementary Courses (6-12 credits)

* 6-12 credits from the following:

DENT 504	(3)	Biomaterials and Bioperformance
DENT 610	(3)	Introduction to Craniofacial Research
DENT 654	(3)	Mechanisms and Management of Pain
DENT 669	(3)	Extracellular Matrix Biology
DENT 672	(1)	Applied Mixed Methods in Health Research
DENT 681	(1)	Readings in Dentistry and Health Research 1
DENT 682	(2)	Readings in Dentistry and Health Research 2
DENT 683	(3)	Readings in Dentistry and Health Research 3

DENT 685	(3)	Theory of Dental Public Health
DENT 688	(3)	Bone Mechanobiology
DENT 706	(3)	Advanced Seminar in Qualitative Health Research

* The number of Complementary credits each student must take is determined with their supervisor, depending on the student's background.

Note: Courses at the 500 level or higher in other departments can be chosen in consultation with their supervisors and the program director.

4.11.1.7 Graduate Diploma (Gr. Dip.) Oral Medicine (30 credits)

The Graduate Diploma in Oral Medicine pro



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

5.1.3 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.

5.2 Important Dates

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

5.3 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.

5.4 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

5.5 Graduate Admissions and Application Procedures

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

- Application for admission;
- Admission requirements;
- Application procedures;
- Competency in English; and
- Other information regarding admissions and application procedures for Graduate and Postdoctoral Studies.

5.6 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.

5.7 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.

5.7.1 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.).

5.7.2 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 2.7.3: 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.

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 char

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."

5.7.5 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 proficiency.
- The individual must comply with regulations and procedures of the University.

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

5.10 Information on Research Policies and Guidelines, Patents, Postdocs, Associates, Trainees

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

In undertaking our professional programs, students benefit from having access to the [*McGill Psychoeducational and Counselling Clinic*](#) and the Departmental [*Assessment Materials Resource Centre*](#). To develop their professional skills in assessment, therapy, and supervision, students are equipped with the latest standardized materials and a state-of-the-art venue within which to conduct psychological and cognitive assessments.

Our professional programs also have established connections with world-class public and private organizations, which include health care facilities and school boards where you receive supervised training for internships and practica. Our faculty members are involved in intra- and interdisciplinary collaborative research locally, nationally, and internationally. These networks offer you valuable exposure to, and connection with, different ts.

- 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 admission 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 conseilleres d'orientation du Quebec* (OCCOQ). (**Admission to this program is currently suspended.**). The Ph.D. in School/Applied Child Psychology and the Ph.D. in Counselling Psychology are both accredited by the *Canadian Psychological Association* (CPA) and the *Ordre des psychologues du Québec* (OPQ).

Important addresses:

OCCOQ

1600 Henri Bourassa Blvd. West, Suite 520
Montreal QC H3M 3E2, Canada
Telephone: 514-737-4717; 1-800-363-2643
Email: 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 5.11.1.6: Doctor of Philosophy (Ph.D.) Counselling Psychology

1. Contribute to the advancement of knowledge in the field of counselling psychology;
2. Practice 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 psychological positions on the staff of university and college mental health centres, and professional positions in psychological services offering preventive 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 5.11.1.7: Master of Arts (M.A.) School/Applied Child Psychology (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 SA

Master of Education (M.Ed.) Educational Psychology (Non-Thesis) (48 credits)

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 5.11.1.10: 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 pro

Master of Arts (M.A.) Educational Psychology (Thesis) (48 credits)

and (d) social, cultural, and historical foundations of learning. Training in research design and data analytic techniques through coursework and thesis supervision.

See [section 5.11.1.17: 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.

1. Professional/Internship (coursework and internship based) ****Applications to this program are suspended until further notice.****
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](#).

5.11.1.3.3 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](#).

5.11.1.3.4 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](#).

5.11.1.3.5 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](#).

5.11.1.3.6 Post-Ph.D. Graduate Diploma in School/Applied Child Psychology

****Admission to the Post-Ph.D. program is currently suspended.****

5.11.1.3.7 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](#).

5.11.1.3.8 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](#).

Ph.D. in Educational Psychology

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

5.11.1.5 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

5.11.1.6 Doctor of Philosophy (Ph.D.) Counselling Psychology

For more information, www.mcgill.ca/study/faculties/education/graduate/gps_edu_educational_counselling_psychology.

Thesises (6 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.

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.

Master of Arts (M.A.) School/0 0 1 70Tm(t143 Tm(amily)Tj1 0 0 1mily)Tj1 a Tm(the fie.949 1)Tj1 0 0 1my

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

5.11.1.8 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 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 Qualitativ
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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

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

Instruction/321.949 411.16 Tm(Instr6.88 T9i75.864 442es)Tj1 0 0 1 165.864 709.ention

EDPI 693

(3)

Research Project 3

(3)

Research Project 4

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
		Advocacy

EDPI 654	(3)	Instruction/Curriculum Adaptation
EDPI 665	(3)	Teaching of Reading
EDPI 667	(3)	Promoting Social and Emotional Well-Being

Complementary Courses (21 credits)

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.

5.11.1.16 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.

5.11.1.17 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.

5.11.1.18 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

3 credits from the following:

EDPE 684	(3)	Applied Multivariate Statistics
EDPE 687	(3)	Qualitative Methods in Educational Psychology

5.11.2 Integrated Studies in Education

5.11.2.1 Location

Department of Integrated Studies in Education
Education Building, Room 244
3700 McTavish Street
Montreal QC H3A 1Y2
Telephone: 514-398-2941
Website: mcgill.ca/dise

Graduate Programs (M.A., MATL, Ph.D., and Graduate Certificate)
Education Building, Room 244
Telephones: M.A. and Ph.D. 514-398-1459; MATL 514-398-4823; Graduate Certificate 514-398-2941
Fax: 514-398-4529

The administrative office is open Monday to Friday from 9:30 a.m. to 4:00 p.m.

5.11.2.2 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

section 5.11.2.12: Master of Arts (M.A.) Education and Society (Non-Thesis): Project Math & Science Education (45 credits)

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 5.11.2.13: 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 5.11.2.14: 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 5.11.2.15: 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 5.11.2.16: 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 5.11.2.17: 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

section 5.11.2.20: 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.

section 5.11.2.21: Master of Arts (M.A.) Second Language Education: Project (Non-Thesis) (45 credits)

The M.A. Project (Non-Thesis) option consists of both course work and a project, divided into two parts. It is less research-oriented than the thesis option and suitable for practitioners interested in professional development with a theoretical orientation.

Master of Arts in Teaching and Learning (MATL)

The M.A. in Teaching and Learning is a professional program leading to Quebec teacher certification for those already holding an undergraduate degree in a Quebec Ministry of Education-identified teachable subject area (Mathematics, Science & Technology, Social Sciences, English, TESL, TFSL). This degree program comprises course work coupled with an internship. Throughout the MATL, emphasis will be on the attainment of the QEP professional competencies, and evidence of mastery of these competencies must be demonstrated for students to successfully complete the program. Upon completion, students are recommended to the Quebec Ministry of Education for certification.

section 5.11.2.24: 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 5.11.2.25: 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 5.11.2.26: 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 5.11.2.27: 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 5.11.2.28: 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 adv

section 5.11.2.30: 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 5.11.2.31: 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 5.11.2.32: 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 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 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 5.11.2.33: 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 5.11.2.34: 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 5.11.2.35: 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 5.11.2.36: 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 world-class professional learning experience in educational leadership. The majority of the courses will be delivered online, in combination with a two- to three-week intensive McGill Campus component during the summer months. The online component of the certificate will facilitate full-time working schedules and provide greater flexibility in different international time zones. Lectures will be pre-recorded so students may view them to suit their own schedules. Students will have the capacity to communicate, discuss, and ask questions to one another and with the course lecturer through the online communication platform.

Please note that the fee schedule for this program is different from standard graduate programs. For information, please contact program coordinator Andrea Nguyen at gcel.education@mcgill.ca or Program Director Dr. Joseph Levitan at joseph.levitan@mcgill.ca.

section 5.11.2.37: 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

section 5.11.2.37: Graduate Certificate (Gr. Cert.) Teaching English as a Second Language (15 credits)

internet connection is available. The final two courses are offered face-to-f

Master of Arts in Teaching and Learning (MATL) (Non-Thesis) – Please see the [Departmental website](#) for additional admission requirements.
Applicants to the MA

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.

5.11.2.6 Master of Arts (M.A.) Education and Society (Thesis): Mathematics and Science Education (45 credits)**Thesis Courses (24 credits)**

EDEM 621	(6)	Thesis 1
EDEM 623	(6)	Thesis 2
EDEM 699	(12)	Thesis 3

Required Courses (12 credits)

EDEC 624	(3)	Researching, Teaching, Learning and Teacher Education
EDEC 625	(3)	MA Seminar in Practice-Based Teacher Education 1
EDEC 626	(3)	MA Seminar in Math and Science Education 2
EDEM 690	(3)	Research Methods: Theory and Practice

Complementary Courses (6 credits)

3 credits of graduate-level courses from the following:

EDEC 646	(3)	Sociocultural and Epistemic Understandings of Science
EDEC 647	(3)	Sociocultural and Epistemic Understandings of Mathematics

3 credits of courses, from the following:

EDEC 606	(3)	Self-Study, Autoethnography, and Autobiographical Research
EDEC 630	(3)	Ethnographic Approaches to Research
EDEC 635	(3)	Research Writing
EDEM 609	(3)	Critical Perspectives in Educational Theory and Research
EDEM 644	(3)	Curriculum Development and Implementation
EDEM 692	(3)	Qualitative Research Methods
EDER 608	(3)	Educational Implications of Social Theory
EDPE 635	(3)	Theories of Learning and Instruction
EDPE 676	(3)	Intermediate Statistics

EDPE 687	(3)	Qualitative Methods in Educational Psychology
EDTL 500	(3)	Applications of Educational Psychology Across Classrooms

EDER 626	(3)	Theory and Praxis of Culture and Citizenship
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.

5.11.2.8 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.

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.

5.11.2.9 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)	Self-Study, Autoethnography, and Autobiographical Research
EDEC 612	(3)	Digital Media and Learning
EDEC 627	(3)	Critical Discourse Studies in Education
EDEC 635	(3)	Research Writing
EDEM 644	(3)	Curriculum Development and Implementation
EDEM 660	(3)	Community Relations in Education
EDEM 676	(3)	Organizing Non-Formal Learning
EDEM 690	(3)	Research Methods: Theory and Practice
EDER 600	(3)	Globalization, Education and Change
EDER 606	(3)	Philosophy of Moral Education
EDER 607	(3)	Ethics and Values in Education
EDER 608	(3)	Educational Implications of Social Theory
EDER 609	(3)	Education and Philosophical Thought

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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.

5.11.2.10 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)	Self-Study, Autoethnography, and Autobiographical Research
EDEC 612	(3)	Digital Media and Learning
EDEC 617	(3)	Special Topics in Educational Studies
EDEC 620	(3)	Meanings of Literacy
EDEC 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 Culture and Citizenship
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.

5.11.2.11 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 .221 Tmfd 0 0314.G T0 0 1y8642 Students .22, Je

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 Culture and Citizenship
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.

Master of Arts EISr

EDEM 623	(6)	Thesis 2
EDEM 699	(12)	Thesis 3

Required Courses (12 credits)

EDEM 609	(3)	Critical Perspectives in Educational Theory and Research
EDEM 610	(3)	Leadership in Action
EDEM 673	(3)	Leadership Theory in Education
WMST 601	(3)	Feminist Theories and Methods

Complementary Courses (6 credits)

3 credits selected from the following courses:

EDEC 606	(3)	Self-Study, Autoethnography, and Autobiographical Research
EDEC 630	(3)	Ethnographic Approaches to Research
EDEM 690	(3)	Research Methods: Theory and Practice
EDEM 692	(3)	Qualitative Research Methods

3 credits selected from the following, must be either:

WMST 602	(3)	Feminist Research Symposium
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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.

5.11.2.15 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:

EDEA 555	(3)	Applied Theatre
EDEA 655	(3)	Arts-Based Educational Research
EDEC 575	(3)	Special Topics in Education
EDEC 602	(3)	Foundations in Curriculum
EDEC 604	(3)	Literacy and Learning Across Curriculum
EDEC 606	(3)	Self-Study, Autoethnography, and Autobiographical Research
EDEC 612	(3)	Digital Media and Learning
EDEC 620	(3)	Meanings of Literacy
EDEC 625	(3)	MA Seminar in Practice-Based Teacher Education 1
EDEC 628	(3)	Literacy - Multilingual/Multicultural Settings
EDEC 635	(3)	Research Writing
EDEC 648	(3)	Historical Knowledge and Social Change
EDEC 650	(3)	Critical Race Studies and Education
EDEM 679	(3)	Special Topics 3 in Educational Leadership
EDEM 688	(3)	Critical and Participatory Research Methods
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 Culture and Citizenship
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.

5.11.2.16 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 e

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
		Introduction to Philosoph

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)	Self-Study, Autoethnography, and Autobiographical Research
EDEC 612	(3)	Digital Media and Learning
EDEC 620	(3)	Meanings of Literacy
EDEC 625	(3)	MA Seminar in Practice-Based Teacher Education 1
EDEC 628	(3)	Literacy - Multilingual/Multicultural Settings
EDEC 635	(3)	Research Writing
EDEC 648	(3)	Historical Knowledge and Social Change
EDER 600	(3)	Globalization, Education and Change
EDER 607	(3)	Ethics and Values in Education
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 Culture and Citizenship
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.

5.11.2.18 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:

EDEC 630	(3)	Ethnographic Approaches to Research
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 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.

5.11.2.19 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:

EDEC 630	(3)	Ethnographic Approaches to Research
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 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).

5.11.2.20 Master of Arts (M.A.) Second Language Education: Coursework (Non-Thesis) (45 credits)

The M.A. in Second Language Education; Non-Thesis – Course Work consists of 45 credits of coursework. The program provides an overview of second language acquisition theory, research and research methods, including quantitative and qualitative approaches. It covers a wide range of current topics in applied linguistics and offers opportunities to specialize in educational sociolinguistics, curricular/methods and program planning (e.g., content-based language teaching, immersion), language policy and planning, and critical applied linguistics.

Required Courses (12 credits)

EDEM 609	(3)	Critical Perspectives in Educational Theory and Research
EDPE 575	(3)	Statistics for Practitioners
EDSL 623	(3)	Second Language Learning
EDSL 627	(3)	Instructed Second Language Acquisition Research

Complementary Courses (24 credits)

12-18 credits chosen from the following courses:

EDEC 630	(3)	Ethnographic Approaches to Research
EDEM 690	(3)	Research Methods: Theory and Practice
EDSL 601	(3)	Methods and Curriculum in Second Language Teaching 1
EDSL 602	(3)	Methods and Curriculum in Second Language Teaching 2
EDSL 617	(3)	Special Topics in Second Language Education
EDSL 620	(3)	Social Justice Issues in Second Language Education

EDSL 624	(3)	Educational Sociolinguistics
EDSL 628	(3)	Plurilingualism&Translanguaging in Education and Research
EDSL 631	(3)	Second Language Curriculum
EDSL 632	(3)	Second Language Literacy Development
EDSL 640	(3)	Language Awareness: Theory and Practice
EDSL 651	(3)	Content-Based L2 Learning

Complementary Courses

6-12 credits from the following:

EDEA 555	(3)	Applied Theatre
EDEA 655	(3)	Arts-Based Educational Research
EDEC 604	(3)	Literacy and Learning Across Curriculum
EDEC 606	(3)	Self-Study, Autoethnography, and Autobiographical Research
EDEC 612	(3)	Digital Media and Learning
EDEC 620	(3)	Meanings of Literacy
		Literacy - Multilingual/Multicultural Settings

Exceptionally, one 3-credit undergraduate language course, at any level, in a language not formally studied previously may be taken as an elective.

5.11.2.21 Master of Arts (M.A.) Second Language Education: Project (Non-Thesis) (45 credits)

The M.A. in Second Language Education; Non-Thesis - Project consists of coursework and individualized projects. The program provides an o

EDEM 644	(3)	Curriculum Development and Implementation
EDEM 646	(3)	Planning and Evaluation
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 643	(3)	Women, Education and Development
EDER 649	(3)	Education: Multicultural Societies

Elective Courses (6 credits)

6 credits of courses at the 500, 600, or 700 level are chosen in consultation with the Graduate Program Director or Coordinator, may include complementary courses listed above, and may include some of the following courses:

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.

5.11.2.22 Graduate Student Teaching / M.A. in Teaching and Learning Internship

The *Internships & Student Affairs Office (ISA)* in the Faculty of Education is responsible for the placement and evaluation of all MATL student teachers registered in the internship courses (EDIN course code).

5.11.2.22.1 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 5.11.2.22.3: 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; excluding students in the TESL program;
- require that students follow registration and placement request procedures as stipulated by the ISA. Students who do not follow procedures may not be assigned to a host school in a given term;
- may begin or end before or after the first/last day of lectures, and may continue during regularly scheduled University breaks;
- are not remunerated for student teachers placed with a Cooperating Teacher(s);
- require that student teachers be present in the host school on a full-time basis for the specified duration of the internship (refer to dates on the mcgill.ca/isa/teaching/contacts-dates); start and/or end dates may vary for students on a paid contract;
- require that student teachers budget time and money for travel to and from their assigned host school;
- may not be completed in a host school where a student teacher has a family member working or attending;
- have a corequisite Professional Seminar component (see [Minerva](#) for dates and times).

5.11.2.222 Registration

Students:

- normally take Internship 1 in the first Winter term of the program; students who do not plan on taking Internship 1 in the first Winter term of the program must meet with the MATL Program Coordinator to develop an amended program trajectory as soon as possible;
- must be in Satisfactory Standing and have met all prerequisite and corequisite course requirements;
- registered for the internship course will receive permission to access the online Student Teaching Placement Form at their official @mail.mcgill.ca 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.

5.11.2.223 Placement Options

Cooperating Teacher

Student teachers without an approved paid teaching contract will be placed by an ISA Placement Coordinator in the classroom of an eligible Cooperating Teacher(s) and must follow the host school's schedule on a full-time basis. Student teachers in this situation must not contact potential host schools nor cooperating teachers for placements.

Contract

Student teachers who have secured a paid teaching contract in the appropriate internship term may request to have this contract reviewed by the ISA to see if it will fulfill the internship requirements relative to number of hours, context, subject area, etc.

Please note, student teachers who have already been placed with a Cooperating Teacher for their internship and subsequently wish to accept a contract either before or during the internship must register a request with the ISA; approval is at the discretion of the ISA Director.

Students who wish to have a contract evaluated must:

- get approval from the ISA Office;
- have the Administrator of their school sign ISA's "Letter of Agreement Pertaining to Paid Contracts for Internships Taken as Part of McGill University's Master of Arts in Teaching and Learning (MATL)" prior to the start of their contract/internship, and confirm that they will assign/provide a qualified

- *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 e

At any time, student teachers may be removed from their internship placement at the request of the host school

5.11.2.23 Master of Arts in Teaching and Learning – Regulations and Programs

5.11.2.23.1 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 5.11.2.22: 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.

5.11.2.23.2 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.

5.11.2.23.3 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](#).

5.11.2.23.4 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.

5.11.2.23.5 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.

EDTL 515	(0)	English Exam for Teacher Certification
EDTL 550	(3)	Student Engagement and Conflict Resolution
EDTL 601	(3)	Cross-curricular Teaching Methods
EDTL 607	(3)	Language and Policy in Quebec Education
EDTL 609	(3)	Diverse Learners
EDTL 635	(3)	Applied Methods in Second Language Education
EDTL 636	(3)	Adv. Applied Methods in Second Language Education

EDEC 650	(3)	Critical Race Studies and Education
EDEM 655	(3)	Indigenous Research Methodologies
EDEM 679	(3)	Special Topics 3 in Educational Leadership
EDEM 693	(3)	School Improvement Approaches Globalization, Education and Changeement

Complementary Courses (9 credits)

9 credits selected from one of the following two streams:

Independent Research Stream:

3 credits selected from:

- EDEM 609 (3) Critical Perspectives in Educational Theory and Research
- EDTL 690 ()

6 credits selected from:

- EDEC 624 (3) Researching, Teaching, Learning and Teacher Education
- EDEM 625 (6) Project 1
- EDEM 690 (3) Research Methods: Theory and Practice

Course-Based Stream:

6 credits selected from:

- EDEC 518 (3) Arts-Based Approaches to Teaching and Learning
- EDEC 612 (3) Digital Media and Learning
- EDEM 644 (3) Curriculum Development and Implementation
- EDEM 675 (3) Special Topics 1 in Educational Leadership

EDEM 675 (3) Special Topics 1 in Educational Leadership
Education and Philosophical

Course-Based Stream

6 credits selected from:

EDEC 518	(3)	Arts-Based Approaches to Teaching and Learning
EDEC 550	(0)	
EDEC 612	(3)	Digital Media and Learning
EDEM 644	(3)	Curriculum Development and Implementation
	(3)	Special Topics 1 in Educational Leadership

EDPS 620	(1)	Professional Seminar 2
EDTL 504	(3)	Techniques for Planning and Assessment 1
EDTL 515	(0)	English Exam for Teacher Certification
EDTL 550	(3)	Student Engagement and Conflict Resolution
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 634	(3)	Adv Applied Meth in Teaching Social Sciences in Sec. School

Complementary Courses (9 credits)

9 credits selected from one of the following two streams:

Independent Research Stream

3 credits selected from:

EDEM 609	(3)	Critical Perspectives in Educational Theory and Research
EDTL 640	(3)	Teacher Inquiry and Action Research

6 credits selected from:

EDEC 624	(3)	Researching, Teaching, Learning and Teacher Education
EDEM 625	(6)	Project 1
EDEM 690	(3)	Research Methods: Theory and Practice

Course-Based Stream

6 credits selected from:

EDEC 518	(3)	Arts-Based Approaches to Teaching and Learning
EDEC 550	(0)	
EDEC 612	(3)	Digital Media and Learning
EDEM 644	(3)	Curriculum Development and Implementation
EDEM 675	(3)	Special Topics 1 in Educational Leadership
EDEM 677	(3)	Special Topics 2 in Educational Leadership
EDER 609	(3)	Education and Philosophical Thought
EDTL 500	(3)	Applications of Educational Psychology Across Classrooms
EDTL 506	(3)	Philosophy of Education
EDTL 508	(3)	Critical Influences on Educational Praxis

3 credits selected from:

EDEC 575	(3)	Special Topics in Education
EDEC 602	(3)	Foundations in Curriculum
EDEC 617	(3)	Special Topics in Educational Studies
EDEC 627	(3)	Critical Discourse Studies in Education

EDEC 650	(3)	Critical Race Studies and Education
EDEM 679	(3)	Special Topics 3 in Educational Leadership
EDEM 693	(3)	School Improvement Approaches

EDEM 609	(3)	Critical Perspectives in Educational Theory and Research
EDTL 640	(3)	Teacher Inquiry and Action Research

6 credits selected from:

EDEC 624	(3)	Researching, Teaching, Learning and Teacher Education
EDEM 625	(6)	Project 1
EDEM 690	(3)	Research Methods: Theory and Practice

Course-Based Stream:

6 credits from:

Arts-Based Approaches to T

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. 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 630	(3)	Ethnographic Approaches to Research
EDEC 705	(3)	Advanced Research Designs
EDEC 706	(3)	Textual Approaches to Research
EDEC 707	(3)	Interpretive Inquiry
EDEM 692	(3)	Qualitative Research Methods

Elective Courses

3-12 credits

Elective courses required in the student's Ph.D. plan of study will be determined in consultation with the Doctoral Advisory Committee depending on the student's background and research interests. Students must take a minimum of 3 credits of elective courses.

Students admitted to Ph.D. 2 will normally take up to 12 credits of elective courses under the advice of their Doctoral Advisory Committee.

Students admitted to Ph.D. 1 without an M.A. may be advised by their Doctoral Advisory Committee to take more than 12 credits of elective courses depending on their background. If admitted to the program without at least 6 credits of M.A.-level research methods and/or STm(v)Tj1 0 0dnrch m If a8 1 375.523 30og

The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. 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 (3 credits)

One of the following courses:

EDEC 630	(3)	Ethnographic Approaches to Research
EDEC 705	(3)	Advanced Research Designs
EDEC 706	(3)	Textual Approaches to Research
EDEC 707	(3)	Interpretive Inquiry
EDEM 692	(3)	Qualitative Research Methods

One course, at the 500 level or higher on gender/women's issues, to be chosen from the approved list (available from the McGill Institute for Gender, Sexuality, and Feminist Studies) in consultation with the Doctoral Advisory Committee depending on the student's background and research interests. In some cases, additional courses may be required or recommended by the Doctoral Advisory Committee.

5.11.2.31 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 de

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:

Adv8dv8dv8dv8dv

Thesis

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

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.

5.11.2.34 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

https://www.mcgill.ca/study/university_re

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

5.11.2.38 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

5.11.3.2 About Kinesiology and Physical Education

- 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 5.11.3.4: Master of Arts (M.A.) Kinesiology and Physical Education (Thesis) (45 credits) and section 5.11.3.5: 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 5.11.3.6: 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.

5.11.3.3 Kinesiology and Physical Education Admission Requirements and Application Procedures

5.11.3.3.1 Admission Requirements

Master's level

1. An undergraduate degree in Physical and Health Education, Exercise Science, Kinesiology, or its equivalent is required.
- 2.

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.

5.11.3.5 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 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 ^{bjd 7.onsrt,}
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.

5.11.3.6 Doctor of Philosophy (Ph.D.) Kinesiology Sciences

The Ph.D. in Kinesiology Sciences focuses on in-depth research experience in (an) area(s) of kinesiology research. The program includes graduate research training in kinesiology-related areas such as exercise physiology, biomechanics, motor control, physical and 7.2tu384lhcation 4Apedagy

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 Graduate and Postdoctoral Studies

6.1.1 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)

- 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 2.7.3: Vacation Policy for Graduate Students and Postdocs](#) and [University Regulations & Resources](#) > Graduate > Regulations > Categories of Students

- to ensure that each postdoc has a supervisor, lab and/or office space, access to research operating costs and necessary equipment;
- to include postdocs in departmental career and placement opportunities; and
- to refer postdocs to the appropriate University policies and personnel for the resolution of conflict that may arise between a postdoc and a supervisor.

v. Some examples of the responsibilities of the supervisor are:

- to uphold and transmit to their postdocs the highest professional standards of research and/or scholarship;
- to provide research guidance;
- to meet regularly with their postdocs;
- to provide feedback on research submitted by the postdocs;
- to clarify expectations reg

Category 3: An individual who holds a professional degree (or equivalent) in a regulated health profession (as defined under CIHR-eligible health profession) and is enrolled in a program of postgraduate medical education at another institution. This individual wishes to conduct the research stage or elective component of their program of study at McGill University under the supervision of a McGill professor. This individual will be engaged in full-time research with well-defined objectives, responsibilities, and methods of reporting. Applications must be accompanied by a letter of permission from the applicant's home institution (signed by the Department Chair, Dean, or equivalent) confirming registration in their program and stating the expected duration of the research stage. Individuals who are expecting to spend more than one year are encouraged to obtain formal training (Master's or Ph.D.) through application to a relevant graduate program.

Category 4: An individual with a regulated health professional degree (as defined under CIHR-eligible health profession), but not a Ph.D. or equivalent or medical specialty training, but who fulfils criteria for funding on a tri-council operating grant or by a CIHR fellowship (up to maximum of five

6.10 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

6.11 Browse Academic Units & Programs

The programs and courses in the following sections have been approved for the 2024–2025 session as listed.

6.11.1 Architecture

6.11.1.1 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

6.11.1.2 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 recognized 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 conceiv

section 6.11.1.4: Master of Architecture (M.Arch.) Professional (Non-Thesis) (60 credits)

The M.Arch. Professional (Non-Thesis) degree program pro



Note: Not required by graduates from McGill University B.Sc.(Arch.), Université de Montréal B.Sc.(Arch), Université Laval (B.Sc.Arch.), Toronto Metropolitan University (B.Arch.Sc.), Laurentian University (B.A.S. - Bachelor of Arch. Studies), University of Waterloo (B.Arch.Studies.), University of Manitoba (B.Env.Design), Carleton University (Bachelor of Arch. Studies - Design).

- A comprehensive e-portfolio (.pdf format, max. 15 MB, due no later than December 15) that may include the following: selected work from previous design studios; e

18 credits chosen from among the following:

ARCH 514	(3)	Community Design Workshop
ARCH 515	(3)	Sustainable Design
ARCH 517	(3)	Sustainable Residential Development
ARCH 525	(3)	Seminar on Analysis and Theory
ARCH 528	(3)	History of Housing
ARCH 531	(3)	Architectural Intentions Vitruvius - Renaissance
ARCH 532	(3)	Origins of Modern Architecture
ARCH 535	(3)	History of Architecture in Canada
ARCH 536	(3)	Heritage Conservation
ARCH 540	(3)	Selected Topics in Architecture 1
ARCH 541	(3)	Selected Topics in Architecture 2
ARCH 542	(3)	Selected Topics in Architecture 3
ARCH 543	(3)	Selected Topics in Architecture 4
ARCH 562	(3)	Innovative Homes and Communities
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

6.11.1.5 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

(3)

Doctoral Proseminar 2

6.11.3.2 About Chemical Engineering

The Department offers programs leading to the **Master of Engineering**, **Master of Science**, and the **Doctor of Philosophy** degrees.

Application Dates and Deadlines

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.

6.11.3.6 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
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OCCH 612 (3) Principles of Toxicology

Water pollution engineering: (4 credits)

Theory: Water / W

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

Environmental policy: (3 credits)

URBP 506 (3) Environmental Policy and Planning

or an appro

Montreal QC H3A 0C3
Canada
Telephone: 514-398-6858
Email: gradinfo.civil@mcgill.ca
Website: mcgill.ca/civil

6.11.4.2 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 6.11.4.4: 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 6.11.4.5: 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 6.11.4.6: 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 6.11.4.7: 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.

6.11.4.3 Civil Engineering Admission Requirements and Application Procedures

6.11.4.3.1 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., i.Tc10.52 3on theuS Tm(OEFL)Tj0 G0 g/F1 e.676.06.Tc10.52 icants mus1 0 0 q136 243.eQELn PriInized

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.

6.11.4.6 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 507	(3)	Wind Engineering
CIVE 520	(3)	Groundwater Hydrology
CIVE 521	(3)	Nanomaterials and the Aquatic Environment
CIVE 527	(3)	Renovation and Preservation: Infrastructure
CIVE 528	(3)	Design of Wood Structures
CIVE 545	()	
CIVE 550	(3)	Water Resources Management
CIVE 557	(3)	Microbiology for Environmental Engineering
CIVE 561	(3)	Greenhouse Gas Emissions
CIVE 573	(3)	Hydraulic Structures
CIVE 574	(3)	Fluid Mechanics of Water Pollution
CIVE 577	(3)	River Engineering
CIVE 604	(4)	Theory of Plates and Shells
CIVE 605	(4)	Stability of Structures
CIVE 607	(4)	Advanced Design in Steel
CIVE 612	(4)	Earthquake-Resistant Design
CIVE 614	(4)	Composites for Construction
CIVE 615	(3)	Environmental Engineering Seminar
CIVE 616	(4)	Nonlinear Structural Analysis for Buildings

CIVE 617	(4)	Bridge Engineering
CIVE 618	(4)	Design in Concrete 1
CIVE 622	(4)	Prestressed Concrete
CIVE 625	(4)	Condition Assessment of Existing Structures
CIVE 628	(4)	Advanced Design of Wood Buildings
CIVE 637	(4)	Discrete Choice Modeling in Transportation
CIVE 652	(4)	Bioprocesses for Wastewater Resource Recovery
CIVE 660	(4)	Chemical and Physical Treatment of Waters
CIVE 661	(4)	Modelling of Transportation Emissions
CIVE 663	(4)	Environmental Fate of Organic Chemicals
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 (1) Research Project 2

3480 University Street
Montreal QC H3A 0E9
Telephone: 514-398-7344 or 514-398-1406
Email: grad.ece@mcgill.ca
Website: mcgill.ca/ece

6.11.5.2 About Electrical and Computer Engineering

The Department offers programs of graduate studies leading to a degree of **Master of Science** (thesis), **Master of Engineering** (non-thesis/course-based), or **Doctor of Philosophy**.

The research interests and facilities of the Department are very extensive, involving more than 45 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 focussed 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, mix

Financial Support

Graduate Assistantship: The Department awards several graduate assistantship to qualified full-time graduate students. These are normally funded from research grants or contracts awarded to individual faculty members. In return, the graduate assistant is expected to perform research-related tasks assigned by the professor from whose grant the assistantship is paid. A good part, but not necessarily all, of this work can be used for preparing a thesis. There is no special application form for graduate assistantship; all applicants who indicate a need for support on their application forms will be considered.

Teaching Assistantship: Graduate students, with the approval of their supervisors, may also undertake teaching assistantship for additional remuneration. These are awarded at the beginning of the term. The Department can make no prior commitments.

Graduate students can also receive financial aid through fellowships, loans, or bursaries. 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 6.11.5.4: Master of Science (M.Sc.) Electrical Engineering (Thesis) (45 credits)

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 6.11.5.6: 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 6.11.5.5: Master of Engineering (M.Eng.) Electrical Engineering (Non-Thesis): Applied Artificial Intelligence (45 credits)

section 6.11.5.7: 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.

6.11.5.3 Electrical and Computer Engineering Admission Requirements and Application Procedures

6.11.5.3.1 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

6.11.5.3.2 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 1.4.4: 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.

6.11.5.3.2.1 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;
- Area of Interest and Profile Form (M.Eng. course-based program) – available at mcgill.ca/ece/admissions/graduate/apply;
- *GRE* – the General Aptitude Test is optional.

6.11.5.3.3 Application Dates and Deadlines

6.11.5.5 Master of Engineering (M.Eng.) Electrical Engineering (Non-Thesis): Applied Artificial Intelligence (45 credits)

The Master of Engineering in Electrical Engineering: Non-Thesis - Applied Artificial Intelligence is a professional program of 45 credits. The program provides the foundation for applications of Artificial Intelligence (AI) techniques and experience building an AI system in various fields of interest. The program may be completed on a part-time basis.

Required Courses (14 credits)

ECSE 551	(4)	Machine Learning for Engineers
ECSE 552	(4)	Deep Learning
ECSE 679D1	(3)	Project in Applied Artificial Intelligence
ECSE 679D2	(3)	Project in Applied Artificial Intelligence

Complementary Courses

(18-24 credits)

Group A: Artificial Intelligence Focused

6-8 credits from the following:

ECSE 526	(3)	Artificial Intelligence
ECSE 555	(4)	Advanced Topics in Artificial Intelligence
ECSE 556	(4)	Machine Learning in Network Biology
ECSE 557	(3)	Introduction to Ethics of Intelligent Systems
ECSE 626	(4)	Statistical Computer Vision
ECSE 683	(4)	Topics in Vision and Robotics

Group B: Mathematical Foundations of Artificial Intelligence

3-4 credits from the following:

COMP 540	(4)	Matrix Computations
ECSE 500	(3)	Mathematical Foundations of Systems
ECSE 501	(3)	Linear Systems

ECSE 506	(3)	Stochastic Control and Decision Theory
ECSE 508	(3)	Multi-Agent Systems
ECSE 541	(3)	Design of Multiprocessor Systems-on-Chip
ECSE 544	(4)	Computational Photography
ECSE 546	(4)	Advanced Image Synthesis
ECSE 554	(4)	Applied Robotics
MECH 559	(3)	Engineering Systems Optimization

Elective Courses

(7-13 credits)

7-13 credits at the 500 or 600 level (excluding ECSE 691 to ECSE 697)

* No more than 16 credits in total may be outside the Department. With the exception of courses in the Complementary Courses list, non-departmental courses require Departmental Approval. In exceptional circumstances and with proper justification, students may be permitted to take more than 16 credits of non-Departmental courses; approval from the Graduate Program Director or delegate is required.

6.11.5.6 Master of Engineering (M.Eng.) Electrical Engineering (Non-Thesis) (45 credits)

The Master of Engineering in Electrical Engineering; Non-Thesis program is a professional course-based program of 45 credits. The program provides a solid background in electrical and computer engineering, both in terms of breadth across the entire field and depth in the area of specialty. The program structure allows students to complete the program in three semesters. A part-time program is possible.

Complementary Courses (45 credits)

Full-time students must complete the program in three years.

45 credits of 500- or 600- courses, of which no more than 16 credits may be outside the Department.

Students may not take Thesis Research courses - ECSE 691 to ECSE 697.

* Non-departmental courses require Departmental Approval. In exceptional circumstances and with proper justification, students may be permitted to take more than 16 credits of non-Departmental courses; approval from the Graduate Program Director or delegate is required.

6.11.5.7 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 Supervi.864 225.064 Tm((0m(Donpre

Email: grad.mecheng@mcgill.ca

Website: mcgill.ca/mecheng/grad

6.11.6.2 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.

section 6.11.6.4: 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 6.11.6.5: 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 6.11.6.7: Doctor of Philosophy (Ph.D.) Mechanical Engineering

- two official referee letters
- Personal statement—one page
- Curriculum vitae—please include a list of publications, if relevant

6.11.6.3.3 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 additional documentation requirements well in advance on the Mechanical Engineering's website at mcgill.ca/mecheng/grad/admission/date.

Information on application procedures and deadlines is available at mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines.

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

6.11.6.4 Master of Engineering (M.Eng.) Mechanical Engineering (Non-Thesis) (45 credits)

6.11.6.6 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 F

Materials Engineering
 Telephone: 514-398-4383
 Fax: 514-398-4492

6.11.7.2 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 6.11.7.4: 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 6.11.7.5: 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

6.11.7.3.3 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.

Information on application deadlines is available at mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines.

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

6.11.7.4 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.

6.11.7.5 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.

6.11.7.6 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.

6.11.7.7 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.

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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.

6.11.7.11 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, or

section 6.11.8.3: Master of Engineering (M.Eng.) Sustainability in Engineering and Design (Non-Thesis) (45 credits)

TISED offers an M.Eng. in Sustainability in Engineering and Design with a broad sustainability training in an interdisciplinary environment. The program—open to students with an undergraduate degree in engineering, urban planning, or architecture—offers advanced training in fundamental and contemporary concepts of sustainability and equips students with specific skills to understand and address critical sustainability challenges in the practice of engineering, architecture, and urban planning.

The interdisciplinary format of the program allows students to learn to integrate non-engineering disciplines and systems-based approaches, such as industrial ecology and life-cycle assessment, into their engineering and design solutions. Program graduates will understand the broad ramifications of sustainability and its interplay with engineering and design and be able to implement sustainable engineering and design solutions within the context of

ECSE 562	(4)	Low-Carbon Power Generation Engineering
MECH 534	(3)	Air Pollution Engineering

Stream 3 - Sustainable Urban Development

ARCH 515	(3)	Sustainable Design
ARCH 517	(3)	Sustainable Residential Development
ARCH 564	(3)	Design for Development
MECH 534	(3)	Air Pollution Engineering
URBP 504	(3)	Planning for Active Transportation
URBP 551	(3)	Urban Design and Planning
URBP 620	(4)	Transport Economics
URBP 651	(3)	Redesigning Suburban Space

Stream 4 - Sustainable Infrastructure

ARCH 515	(3)	Sustainable Design
ARCH 564	(3)	Design for Development
CIVE 540	(3)	Urban Transportation Planning
CIVE 621	(4)	Sustainable Design of Municipal Systems
CIVE 623	(4)	Durability of Construction Materials
CIVE 629	(4)	Sustainable Design: Water and Wastewater Facilities
CIVE 652	(4)	Bioprocesses for Wastewater Resource Recovery
SEAD 515	(3)	Climate Change Adaptation and Engineering Infrastructure
URBP 620	(4)	Transport Economics
URBP 651	(3)	Redesigning Suburban Space

Up to 6 credits from the following:

BIEN 520	(3)	High Throughput Bioanalytical Devices
BREE 518	(3)	Ecological Engineering
BREE 520	(3)	Food, Fibre and Fuel Elements
CHEE 541	(3)	Electrochemical Engineering
CHEE 543	(3)	Plasma Engineering
CIVE 550	(3)	Water Resources Management
ECSE 507	(3)	Optimization and Optimal Control
MECH 535	(3)	Turbomachinery and Propulsion
MECH 559	(3)	Engineering Systems Optimization
MIME 556	(3)	Sustainable Materials Processing
SEAD 600	(3)	Sustainability Research 1
SEAD 602	(3)	Sustainability Research 2
		Land Use and T

NOTE: Other unlisted 500 level or higher courses taught at McGill may be permitted, subject to approval by the program director.

6.11.9 Urban Planning

6.11.9.1 Location

School of Urban Planning
Macdonald Harrington Building, Room 400
815 Sherbrooke Street West
Montreal QC H3A 0C2
Canada
Telephone: 514-398-4075
Fax: 514-398-8376
Email: admissions.planning@mcgill.ca
Website: mcgill.ca/urbanplanning

6.11.9.2 About Urban Planning

Urban planning is the set of processes by which a communities shape their environments to meet their needs and to realize their aspirations for the future. Urban planning is also the profession of those who facilitate this process. While the practice of planning is as old as the cities themselves, the profession of urban planning is only about a century old. In the late 19th and early 20th centuries, architects, landscape architects, engineers, government reformers, lawyers, public health specialists, and others joined forces to tackle the serious social and environmental problems of the industrial city. They created new techniques and institutions to improve living conditions and decision-making processes, with an eye to improving cities in terms of health, safety, efficiency, equity, beauty, identity, etc. Today, people who enter the profession come from diverse backgrounds as well, including the design professions, engineering and applied sciences, environmental and social studies, and other fields. Their chief task is to reinvent tools, procedures, and processes to meet new challenges in making metropolitan areas socially, economically, and environmentally resilient and just. A key feature of planning education is learning to view issues in a multidisciplinary way, to manage processes of collaboration and of conflict, and to generate equitable and efficient solutions to complex problems of growth and development.

[section 6.11.9.4](#)

section 6.11.9.7: Master of Urban Planning (M.U.P.) Urban Planning (Non-Thesis): Urban Development and Urban Design (60 credits)

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 6.11.9.8: 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.

6.11.9.3 Urban Planning Admission Requirements and Application Procedures

6.11.9.3.1 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 1.4.4: 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.

6.11.9.3.1.1 Additional Requirements

The items and clarifications below are additional requirements set by this department for the **Master of Science (M.Sc.) Urban Planning, Policy and Design**. Applicants are required to upload:

- A current version of your curriculum vitae.
- A statement of your research objectives, not exceeding two pages, including:
 - An e

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 643	(1)	Selected Geographic Information Systems Applications
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 B

0-9 credits from the following:

0-9 credits at the 500 or 600 level of coursework offered by any academic unit at McGill or at another Montreal university, with the approval of the School, if they help students to develop an in-depth knowledge of one or more subject areas in the field of planning, with the approval of the School. Choices usually include courses in real-estate analysis, urban geography, sociology, anthropology, law, politics, and environmental science. Students must confirm prior to registration that the selected course(s) can be counted toward the M.U.P. degree.

6.11.9.6 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)	Visual Communication 1
URBP 610	(1)	Visual Communication 2
URBP 611	(1)	Data Visualization for Planning
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
URBP 643	(1)	Selected Geographic Information Systems Applications

Group B

0-6 credits

0-6 credits of coursework at the 500 or 600 level offered by an

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)

Group A

9-15 credits from the following:

URBP 505	(3)	Geographic Information Systems
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 B (0-6 credits)

0-6 credits from the following or other 500 or 600 level courses (see note below):

ARCH 515	(3)	Sustainable Design
GEOG 525	(3)	Asian Cities in the 21st Century
URBP 501	(2)	Principles and Practice 1
URBP 503	(3)	Public Transport: Planning and Operations

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URBP 626	(2)	Principles and Practice 3
URBP 643	(1)	Selected Geographic Information Systems Applications
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.

6.11.9.8 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
URBP 701	(0)	Doctoral Comprehensive Examination
	(3)	Doctoral Research Seminar 1

7 Bieler School of Environment

7.1 Graduate and Postdoctoral Studies

7.1.1 Administrative Officers

Administrative Officers

Josephine Nalbantoglu; B.Sc., Ph.D.(McG.)

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

Associate Dean (Graduate and Postdoctoral Studies)

7.5 Graduate Admissions and Application Procedures

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

- Application for admission;
- Admission requirements;
- Application procedures;
- Competency in English; and
- Other information regarding admissions and application procedures for Graduate and Postdoctoral Studies.

7.6 Fellowships, Awards, and Assistantships

Please refer to [University Regulations & Resources](#) > [Graduate](#) > [section 1.5: Fellowships, Awar](#)

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.

- to sign and adhere to their Letter of Agreement for Postdoctoral Education;
- to communicate regularly with their supervisor; and
- to inform their supervisor of their absences.

vii. Some examples of the responsibilities of the University are:

- to register postdocs;
- to provide an appeal mechanism in cases of conflict;
- to provide documented policies and procedures to postdocs;
- to provide postdocs with the necessary information on McGill University student services (Postdoctoral Fellows and Scholars) and HR policies and guidelines (Postdoctoral Researchers).

Approved by Senate, April 2000; revised May 2014; February 2020. eee, e•e•

- 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.

7.8 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

7.9 Graduate Student Services and Information

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

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

7.10 Information on Research Policies and Guidelines, Patents, Postdocs, Associates, Trainees

Refer to [University Regulations & Resources](#) procedures go to [Graduate](#) 1 rg0 0 1 RG/F2 8.1 Tf1 0 0 1 265.423 237.14 Tm 1 174.046s9.1 Tf1 1 Tf1 0 0 1 230.sRtion on Re

7.11 Browse Academic Units & Programs

The programs and courses in the following sections have been approved for the 2024–2025 session as listed.

7.11.1 Environment

7.11.1.1 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: christina.zhu@mcgill.ca
Website: mcgill.ca/environment
Graduate Option website: mcgill.ca/environment/envroption

7.11.1.2 About Environment

Resolving environmental issues requires a dialogue between pure and applied sciences, the social sciences, and the humanities. The degradation of the biological and biophysical environment has roots in the structure of human societies while solutions to environmental problems have an impact on human livelihoods.

A number of academic departments and institutes at McGill promote graduate-level research and training on environmental topics and have faculty members whose main research interest falls in this domain. As such, environmental research is widespread throughout the McGill community. The Environment option provides a vehicle whereby discipline-based graduate programs can easily and effectively incorporate collaborations from at least one other discipline into their research.

Goals of the Option

- To provide thesis or non-thesis students with an understanding of how knowledge is transferred into action with regard to the environment;
- To develop an appreciation of the role of scientific, political, socioeconomic, and ethical judgments in influencing that process;
- To provide a forum whereby graduate students in environment throughout the University bring their disciplinary perspectives together and enrich each other's learning through structured courses, formal seminars, and informal discussions and networking.

Students admitted into the Environment option will be supervised or co-supervised by either a Bieler School of Environment appointed faculty member or a Bieler School of Environment associate member. Their advisory committee will include at least one individual from outside the home department. It is expected that the thesis, dissertation, or project, as well as the final seminar presentation, will contain an environmental component and will include a discussion of the applied implications of the research findings. Together with the courses common to the Environment option, specific course requirements for each program are given within the departmental listings cited below.

Program List

The Environment option is currently available with the following graduate programs:

[section 3.11.1: Anthropology](#)

[section 3.11.1.6: Master of Arts \(M.A.\) Anthropology \(Thesis\): Environment \(45 credits\)](#) ([Arts](#) > Graduate > Browse Academic Units & Programs > Anthropology)

[section 15.11.1: Atmospheric and Oceanic Sciences](#)

[section 15.11.1.6: Doctor of Philosophy \(Ph.D.\) Atmospheric and Oceanic Sciences: Environment](#) ([Science](#) > Graduate > Browse Academic Units & Programs > Atmospheric and Oceanic Sciences)

section 15.11.2: Biology

section 15.11.2.5: Master of Science (M.Sc.) Biology (Thesis): Environment (45 credits) ([Science](#) > Graduate > Browse Academic Units & Programs > Biology)

section 15.11.2.8: Doctor of Philosophy (Ph.D.) Biology: Environment ([Science](#) > Graduate > Browse Academic Units & Programs > Biology)

section 2.11.3: Bioresource Engineering

section 2.11.3.5: Master of Science (M.Sc.) Bioresource Engineering (Thesis): Environment (45 credits) ([Agricultural & Environmental Sciences](#) > Graduate > Browse Academic Units & Programs > Bioresource Engineering)

section 2.11.3.9: 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 2.11.3.12: Doctor of Philosophy (Ph.D.) Bioresource Engineering: Environment ([Agricultural & Environmental Sciences](#) > Graduate > Browse Academic Units & Programs > Bioresource Engineering)

section 3.11.9: Geography

section 3.11.9.6: Master of

7.11.1.3.3 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 Coor*](#)

- Doctoral Degrees
- Coursework for Graduate Programs, Diplomas, and Certificates

8.5 Graduate Admissions and Application Procedures

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

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 Postdoctor*](#)

- to inform themselves of and adhere to the University's policies and/or regulations for postdocs as outlined at mcgill.ca/gps/postdocs and mcgill.ca/students/srr, and the Graduate and Postdoctoral Studies *University Regulations and Resources*;
- to submit a complete file for registration to Enrolment Services;
- to sign and adhere to their Letter of Agreement for Postdoctoral Education;
- to communicate regularly with their supervisor; and
- to inform their supervisor of their absences.

vii. Some examples of the responsibilities of the University are:

- to register postdocs;
- to provide an appeal mechanism in cases of conflict;
- to provide documented policies and procedures to postdocs;
- to provide postdocs with the necessary information on McGill University student services (Postdoctoral Fellows and Scholars) and HR policies and guidelines (Postdoctoral Researchers).

Approved by Senate, April 2000; revised May 2014; February 2020.

8.7.3 Vacation Policy for Postdocs

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

8.7.4 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 re

- 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.

8.8 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

8.9 Graduate Student Services and Information

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

- Service Point
- Student Rights and Responsibilities
- Student Services – Downtown and Macdonald Campuses
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8.11 Browse Academic Units & Programs

The programs and courses in the following sections have been approved for the 2024–2025 session as listed.

8.11.1 Biological and Biomedical Engineering

8.11.1.1 Location

Duff Medical Building
3775 University Street, Room 316
Montreal QC H3A 2B4
Canada
Website: mcgill.ca/bbme

8.11.1.2 About Biological and Biomedical Engineering

Biological and Biomedical Engineering (BBME) is an interf

section 8.11.1.6: 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 8.11.1.7: 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 de

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 Cell Culture Engineeringvvv

Design of

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 500	(3)	Special Topics in Bioengineering 1
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.

8.11.1.7 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, engineering and the concepts and engineering. 802 Tm(v)Tj1 0 thod,ncBIENof the

Thesis

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

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Proficiency in English

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 *Institute for Health Sciences Education's website* for details.

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

Information on application deadlines is available at mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines.

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

8.11.2.4 Graduate Certificate (Gr. Cert.) Foundations in Health Sciences Education (15 credits)

The Graduate Certificate in Foundations in Health Sciences Education focuses on theoretical and evidence-based knowledge and practical skills in the areas of teaching and learning, curriculum and course design, assessment and ev

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 8.11.3.4: 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 8.11.3.5: 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.

8.11.3.3 Neuroscience (Integrated Program) Admission Requirements and Application Procedures

8.11.3.3.1 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.

8.11.3.3.2 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 1.4.4: Application Procedures](#) for detailed application procedures.

8.11.3.3.2.1 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

8.11.3.3.3 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 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.

Information on application deadlines is available at mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines.

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

8.11.3.4 Master of Science (M.Sc.) Neuroscience (Thesis) (45 credits)

The Master of Science in Neuroscience; Thesis program is a graduate research-based program of 45 credits. The program offers opportunities for cutting-edge research in diverse fields of neuroscience, ranging from cellular and molecular, to behavioural and cognitive. The program provides research in multiple branches of neuroscience.

Required Courses (36 credits)se5 276.365sult yediPh.D0 1 207.315 643.265 276.365sult 33.087 25.6842sult ram DStudiosciPhilosopt0 1 125.

Complementary Courses (6 credits)

6 credits at the 500, 600, or 700 level, approved by the graduate program adviser.

8.11.4 Quantitative Life Sciences

8.11.4.1 Location

Telephone: 514-398-4826

Email: coordinator.qls@mcgill.ca

Website: mcgill.ca/qls

8.11.4.2 About Quantitative Life Sciences

Quantitative Life Sciences is the broad application of mathematical, computational, and other quantitative methods to study biological systems at all scales—from single molecules to the environment. It is part of a rapidly expanding field that includes such specializations as systems biology, bioinformatics, biophysics, medical informatics, computational biology, computational pharmacology, computational neuroscience, and mathematical biology.

Please refer to the [QLS website](#) for further details.

section 8.11.4.4: Doctor of Philosophy (Ph.D.) Quantitative Life Sciences

8.11.4.3 Quantitative Life Sciences Admission Requirements and Application Procedures

8.11.4.3.1 Admission Requirements

General

Applicants are expected to hold an undergraduate degree in one of the following areas (or equivalent): biology, chemistry, physiology, genetics, engineering, computer science, mathematics, statistics, physics, or chemistry.

Applicants must have a strong quantitative background. Such a background may be obtained by having at least the equivalent of a minor in computer science, mathematics, statistics, physics, chemistry, or engineering.

Applicants who do not have a formal education in life sciences must have a demonstrated interest in the field, for example, through an undergraduate research project or the completion of life-science courses.

Applicants are expected to have attained a high academic standing equal to, or greater than, the minimum Cumulative Grade Point Average of 3.3 (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.

8.11.4.3.2 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 1.4.4: Application Procedures](#) for detailed application procedures.

8.11.4.3.2.1 Additional Requirements

The items below are additional requirements set by this department:

- Curriculum vitae
- Personal statement
- Research statement
- Two reference letters
- Copy of official transcripts

8.11.4.3.3 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 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.

Information on application deadlines is available at mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines.

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

8.11.4.4 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
	(3)	Artificial Cells

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

9 Faculty of Law

9.1 Graduate and Postdoctoral Studies

9.1.1 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)

9.1.2 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.

Graduate and PGr.6262.277 Tm(Gradocctoral Studies))' Miss

9.5 Graduate Admissions and Application Procedures

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

- Application for admission;
- Admission requirements;
- Application procedures;
- Competency in English; and
- Other information regarding admissions and application procedures for Graduate and Postdoctoral Studies.

9.6 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.

9.7 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.

9.7.1 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 f

research granting agencies or the collective agreement, as applicable. Funding during parental leave is subject to the conditions of the funding agency or the collective agreement, as applicable.

iii. Postdocs require a *Letter of Agreement for Postdoctoral Education* signed by the postdoc, the supervisor, and the department/unit head or delegate.

iv. Postdocs with full responsibility for teaching a course should be compensated over and above their postdoctoral funding as course lecturers. This applies to all postdocs, except those for whom teaching is part of the award.

v. The amount of research, teaching, or other tasks that postdocs engage in over and above postdoctoral activities should conform to the regulations for postdocs specified by the Canadian research council of their discipline or the collective agreement. This applies to all postdocs, including those whose funding does not come from the Canadian research councils.

4. Privileges

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

ii. Postdocs hav

- to sign and adhere to their Letter of Agreement for Postdoctoral Education;
- to communicate regularly with their supervisor; and
- to inform their supervisor of their absences.

vii. Some examples of the responsibilities of the University are:

- to register postdocs;
- to provide an appeal mechanism in cases of conflict;
- to provide documented policies and procedures to postdocs;
- to provide postdocs with the necessary information on McGill University student services (Postdoctoral Fellows and Scholars) and HR policies and guidelines (Postdoctoral Researchers).

Approved by Senate, April 2000; revised May 2014; February 2020.

9.7.3 Vacation Policy for Postdocs

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

9.7.4 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."

9.7.5 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

section 9.11.1.16: 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 9.11.1.17: 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 9.11.1.18: 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.

9.11.1.3 Law Admission Requirements and Application Procedures

9.11.1.3.1 Admission Requirements

Applicants must submit their application through McGill's online application system at mcgill.ca/gradapplicants/how-apply/submit-your-application. For detailed information on the application process, please visit the [Faculty website](#).

9.11.1.3.1.1 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.

9.11.1.3.1.2 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 referenTj1u92t 0 0nd t.223 s90 1 3g

2. Graduate Certificate in *Comparative Law*

9.11.1.3.2 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 1.4.4: Application Procedures](#) for detailed application procedures.

9.11.1.3.2.1 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)

9.11.1.3.3 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.

Information on application deadlines is available at mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines.

The **application deadline** to all graduate programs in Law (LL.M., D.C.L., Graduate Certificates) is **December 1. The Faculty of Law will not consider applications received on or after December 2.**

The Faculty of Law of

Courses offered within this concentration may include:

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)

9.11.1.4.2 International Business Law

This field has practical significance in international business relations and also provides opportunities to apply experience derived from multiple legal systems to the development of multi-jurisdictional, “international” commercial rules.

Courses offered within this concentration may include:

Airline Business and Law (ASPL 614)
 Comparative Air Law (ASPL 632)
 Comparative Legal Institutions (CMPL 517)
 Copyright and Trademark Theory (BUS2 500)
 Corporate Finance (BUS2 505)
 European Union Law 1 (CMPL 536)
 European Union Law 2 (CMPL 537)
 Government Control of Business (CMPL 574)
 Government Regulation of Space Activities (ASPL 639)
 Intellectual & Industrial Property (BUS2 502)
 International Business Law (CMPL 604)
 International Carriage of Goods by Sea (CMPL 515)
 International Development Law (CMPL 516)
 International Environmental Law and Politics (CMPL 546)
 International Maritime Conventions (CMPL 553)
 International Taxation (CMPL 539)
 Law and Practice of International Trade (CMPL 543)
 Law of Space Applications (ASPL 638)
 Patent Theory and Policy (BUS2 501)
 Private International Air Law (ASPL 636)
 Public International Air Law (ASPL 633)
 Resolution of International Disputes (CMPL 533)
 Securities Regulation (BUS2 504)

9.11.1.4.3 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)

Courses offered within this concentration may include:

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)

9.11.1.4.4 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)
Policies, Politics and Legislative Process (CMPL 518)
Regulation Technology/Society (CMPL 605)
Trade Regulation (CMPL 521)

9.11.1.4.5 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)

9.11.1.5 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

9.11.1.6 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
		M.Sc.

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9.11.1.9 Master of Laws (LL.M.) Law (Non-Thesis): Environment (45 credits)

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

The 45-credit, LL.M. program, non-thesis option, in Environment is offered in collaboration with the Bieler School of Environment. The program considers ho

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).

9.11.1.11 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 lev

Additional Thesis Courses

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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

9.11.1.15 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

9.11.1.16 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

Required Courses (5 Credits)

10 Desautels Faculty of Management

10.1 Graduate and Postdoctoral Studies

10.1.1 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)

10.1.2 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.

10.1.3 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.

10.2 Important Dates

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

10.3 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.

10.4 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

10.5 Graduate Admissions and Application Procedures

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

- Application for admission;
- Admission requirements;
- Application procedures;
- Competency in English; and
- Other information regarding admissions and application procedures for Graduate and Postdoctoral Studies.

10.6 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.

10.7 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.

10.7.1 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.).

10.7.2 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 2.7.3: Vacation Policy for Graduate Students and Postdocs](#) and [University Regulations & Resources > Graduate > Regulations > Categories of Students > section 1.2.8: Leave of Absence Status](#)).

3. Appointment, Funding, Letter of Agreement

- i. Postdoctoral appointments may not exceed the registration eligibility period as defined above.
- ii. In order to be registered, the postdoc must be assured of financial support other than from personal means during their stay at McGill University. This amount must be equivalent to the minimal stipend requirement set by the University in accordance with guidelines issued by federal and provincial

research granting agencies or the collective agreement, as applicable. Funding during parental leave is subject to the conditions of the funding agency or the collective agreement, as applicable.

iii. Postdocs require a *Letter of Agreement for Postdoctoral Education* signed by the postdoc, the supervisor, and the department/unit head or delegate.

iv. Postdocs with full responsibility for teaching a course should be compensated over and above their postdoctoral funding as course lecturers. This applies to all postdocs, except those for whom teaching is part of the award.

v. The amount of research, teaching, or other tasks that postdocs engage in over and above postdoctoral activities should conform to the regulations for postdocs specified by the Canadian research council of their discipline or the collective agreement. This applies to all postdocs, including those whose funding does not come from the Canadian research councils.

4. Privileges

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

ii. Postdocs hav

- to sign and adhere to their Letter of Agreement for Postdoctoral Education;
- to communicate regularly with their supervisor; and
- to inform their supervisor of their absences.

vii. Some examples of the responsibilities of the University are:

- to register postdocs;
- to provide an appeal mechanism in cases of conflict;
- to provide documented policies and procedures to postdocs;
- to provide postdocs with the necessary information on McGill University student services (Postdoctoral Fellows and Scholars) and HR policies and guidelines (Postdoctoral Researchers).

Approved by Senate, April 2000; revised May 2014; February 2020.

Vacation P

- The individual must provide copies of official transcripts/diplomas.
- The individual must have the approval of a McGill professor to supervise the research and of the Unit.
- The individual must have adequate proficiency

10.11 Desautels Faculty of Management

10.11.1 Location

Samuel Bronfman Building
1001 Sherbrooke Street West
Montreal QC H3A 1G5
Canada
Telephone: 514-398-4066
Website: mcgill.ca/desautels

10.11.2 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 10.12.3: Master of Business Administration (M.B.A.) Management (Non-Thesis) (54 credits)

section 10.12.4: Master of Business Administration (M.B.A.) Management (Non-Thesis): General Management (48 credits)

section 10.12.5: Master of Business Administration (Joint M.B.A. & B.C.L./J.D.) Management (Non-Thesis): General Management & Law (132 credits)

Master of Business Administration (M.B.A.)/J

Graduate Certificates

section 10.15.5: Graduate Certificate (Gr. Cert.) Post MBA Japan (15 credits) **This program is no longer accepting new students.**

section 10.17.5: Graduate Certificate (Gr. Cert.) Professional Accounting (24 credits)

10.12 M.B.A. Programs

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, such as 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 specializations, 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 10.12.3: Master of Business Administration (M.B.A.) Management (Non-Thesis) (54 credits)

section 10.12.4: Master of Business Administration (M.B.A.) Management (Non-Thesis): General Management (48 credits)

section 10.12.5: Master of Business Administration (Joint M.B.A. & B.C.L./J.D.) Management (Non-Thesis): General Management & Law (132 credits)

10.12.1 Admission Requirements and Application Procedures

For more information, please refer to mcgill.ca/desautels/programs/mba-programs/mba/admissions.

10.12.2 Application Dates and Deadlines

For more information, please refer to mcgill.ca/desautels/programs/mba-programs/mba/admissions.

10.12.3 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)

Internship

M337.4832 Internationala337.4832

MGR 654 (1.5) Accounting and Financial Reporting
MGR 654 (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.

10.12.4 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 hard and soft management disciplines and skills. There is maximum flexibility in the program based on input from Faculty areas. This streamlined 12-month program does not allow a student to do an internship.

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
PRV1 549	(3)	Contrats nommés/Nominate Contracts
PRV2 270	(3)	Law of Persons
PRV4 548	(3)	Administration Property of Another and Trusts

Common Law Immersion Courses (3 credits)

(3) Advanced Common Law Obligations

10.12.6.3 Application Dates and Deadlines

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6 credits from the following:

BUSA 650	(6)	Internship
BUSA 651	(6)	Practicum

10.12.6.6 Master of Business Administration (M.B.A.)/Japan Management (Non-Thesis): General Management (48 credits)

****This program is no longer accepting new students.****

The M.B.A. (Japan); Non-Thesis - General Management focuses on both hard and soft key management disciplines and skills with its integrative approach. The academic content of the M.B.A. (Japan) program is the same as the Montreal M.B.A.; however, the delivery of the content is modified to allow students to complete a Master of Business Administration degree on weekends in Japan.

Required Core Courses (24 credits)

BUSA 695	(1.5)	Real-Time Decisions
MGCR 613	(1.5)	Managerial Economics
MGCR 614	(1.5)	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.

10.12.6.7 Master of Business Administration (M.B.A.)/Japan Management (Non-Thesis): Global Strategy and Leadership (57 credits)

****This program is no longer accepting new students.****

The McGill MBA Japan program of the Desautels Faculty of Management of McGill University is the leading MBA program in Japan, and one of the leading weekend programs in Asia. Designed for working people with several years of experience, the McGill MBA Japan program allows you to complete a Master of Business Administration program on weekends, without leaving employment.

Based on McGill's world-leading Integrative MBA Curriculum, the MBA Japan program allows you to complete a full MBA by studying two weekends per month in as little as 20 months. Taught by world-leading professors from McGill's home campus, the MBA Japan attracts highly qualified students from Japan and around the globe.

The 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 rel318ams in 414.901 Tm(Mark)Tj1t1tpgU0 1 466.and Leadu

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:

Launching New VenturesV

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

10.12.6.9 Master of Business Administration (M.B.A.)/Japan Management (Non-Thesis):Technology and Innovation Management (57 credits)

This program is no longer accepting new students.

The McGill MBA Japan program of the Desautels Faculty of Management of McGill University is the leading MBA program in Japan, and one of the leading weekend programs in Asia. Designed for working people with several years of e

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
	(3)	Managing Organizational Change

section 10.13.7: 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

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

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10.13.5 Master of Management (M.M.) Manufacturing Management (Non-Thesis) (56 credits)

M.M. in Manufacturing Management, Non-Thesis program provides a professional, hands-on approach that addresses all major issues germane to the optimization of operations. The program moved beyond a manufacturing focus to all facets of supply chains, logistics and manufacturing management. A key feature of the program is industry participation and interaction. To ensure a profound comprehension of the issues and challenges facing business today, courses have corporate sponsors and partners that provide case studies, plant tours, seminars, industrial projects and internships. The

major emphasis of these activities is on improving productivity and operational effectiveness. The program aims at training the students with diversified backgrounds who wish to pursue a career in the top management of global operations and supply chain.

A version of M.M. in Manufacturing Management, Non-Thesis program is collaboratively offered with Zhejiang University Hangzhou in China.

Required Courses (35 credits)

MGCR 611	(2)	Financial Accounting
MGCR 612	(2)	Organizational Behaviour
MGCR 616	(2)	Marketing
MGCR 641	(2)	Elements of Modern Finance 1
MGSC 602	(3)	Strategic Management of Operations
MGSC 603	(3)	Logistics Management
MGSC 608	(3)	Data Decisions and Models
MGSC 609	(1)	Operations Industrial Seminar
MGSC 610	(2)	Operations Case Studies
MGSC 611	(9)	Operations Industrial Stage Computer Integrated Manuf

Master of Manag

Complementary Courses (21 credits)

12-21 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

0-9 credits from:

up to 9 credits of 600-level courses offered by Desautels Faculty of Management. Course choice must be approved by the Program Administrator/Program

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)
-

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.

10.15 Post-M.B.A. Graduate Certificates Admission Requirements and Application Procedures

About the Post-M.B.A. Graduate Certificate

w students.**

This program is no longer accepting new students.

The graduate certificate meets the needs of two groups of professional managers:

1. managers who graduated from an M.B.A. program several years ago and would like to 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.

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10.15.2 Application Procedures

- Graduate Certificate Post-M.B.A.:

BUSA 647D1 & D2	(4)	Healthcare Management Practicum
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10.16.2 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

10.17 Graduate Certificate in Professional Accounting (GCPA) Admission Requirements and Application Procedures

About the Graduate Certificate in Professional Accounting (GCPA)

section 10.17.5: 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 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.

10.17.1 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

10.17.2 Application Procedures

Online applications for the GCPA program can be submitted through McGill's *online application system*. For details please consult *Application steps*.

See *University Regulations & Resources* > *Graduate* > *Graduate Admissions and Application Procedures* > *section 1.4.4: Application Procedures* and the *GCPA program* website for details about submitting your application.

A deferral of admission may be considered in exceptional cases upon evidence of extenuating circumstances for one year only. A request may be submitted by the student through McGill's *Application Management System* and evaluated by the GCPA Office.

Time Limits

The program must be completed within three years of admission.

10.17.2.1 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 McGill's v

10.17.3 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 Desautels F

CCLW 611	(3)	Business Law Concepts
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 641	(3)	Information Systems for Managers
CPL2 652	(3)	Strategic Management.

Required Courses (24 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
ACCT 699	(0)	Exam Preparation Seminar

Complementary Courses (6 credits)

6 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

11 Faculty of Medicine and Health Sciences

11.1 Graduate and Postdoctoral Studies

11.1.1 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)

11.1.2 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.

11.1.3 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.

11.2 Important Dates

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

11.3 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.

11.7 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.

11.7.1 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.).

11.7.2 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 pro

- 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;
 -

11.7.4 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."

11.7.5 Postdoctoral Research Trainees

Eligibility

If your situation does not conform to the Gov

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

11.9 Graduate Student Services and Information

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

- Service Point
- Student Rights and Responsibilities

section 11.11.1.3.5: 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.

11.11.1.3.3 Medical Physics Admission Requirements and Application Procedures**11.11.1.3.3.1 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.

11.11.1.3.3.2 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 1.4.4: 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 2024

"Department" = Medical Physics Unit

"Program" = Graduate Diploma (Med Radiation Physics)

or

"Program" = Medical Radiation Physics-T

"Status" = Full Time

Under **Additional Questions:**

Please indicate source(s) of funding to cover tuition and student fees + living expenses while studying at McGill University.

Supporting Documents: All supporting documentation must be uploaded to the online application; any documents sent by mail will be considered unofficial and missing from the application. For detailed instructions on how to upload required supporting documents, please see mcgill.ca/gradapplicants/how-apply/applying-mcgill/documents.

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, 2022 for a graduate application to McGill for Fall 2024. 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.

11.11.1.3.3.2.1 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".

11.11.1.3.3.3 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 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.

Information on application deadlines is available at mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines.

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

11.11.134 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

Medicine, Experimental

11.11.1432 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 1.4.4: Application Procedures](#) for detailed application procedures. Further information is also available on the [Experimental Medicine website](#).

11.11.14321 Additional Requirements

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

M.Sc. and Ph.D. in Experimental Medicine

- Personal Statement
-

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.

11.11.146 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.

11.11.147 Master of Science (M.Sc.) Experimental Medicine (Thesis): Environment (45 credits)**** This program is currently not offered. ****

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

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.

Doctor of Philosophy (Ph.D)

The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. 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
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

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.

11.11.1.5 Medicine, Family

11.11.1.5.1 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

11.11.1.5.2 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

section 11.11.1.5.5: 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 11.11.1.5.6: Master of Science (M.Sc.) Family Medicine (Thesis): Medical Education (45 credits)

This program will have very close ties to the

to be chosen for an interview with one of our supervisors if the minimum admission requirements have been met. After the application is complete, candidates may contact potential supervisors who interest them for an interview.

- **Application form and fee:** All applicants must complete the [Online Application](#). The application must be accompanied by a non-refundable application fee payable by credit card (Visa or Mastercard); fee amounts and details are listed on the [Student Accounts](#) website. Please ensure you apply for the M.Sc. in Family Medicine or the Ph.D. in Family Medicine and Primary Care.
- **Curriculum Vitae:** Please upload the latest version of your CV, which should include a listing of previous research experience and publications. All relevant research experience should be included in your CV since you are applying for a research position in the Department.
- **Letters of Reference:** Two (2) or three (3) letters of reference must accompany any application to our program. These letters must be no more than six months old, must be on letterhead paper, and are required to be uploaded to the admissions processing system. Applicants are encouraged to request references from academic or other professional employers who can evaluate their potential for graduate studies and research, and who can attest to the applicant's research skills. Referees will also be asked to rank each applicant and to provide a size of the comparison (i.e., out of 50 supervised students). **Any applicant having undertaken previous graduate studies (whether at McGill or elsewhere) should make sure that one of the letters of reference is from their graduate supervisor. Please note:** On the application form, applicants must provide the names and email addresses of referees. McGill will contact these referees via email and invite them to upload reference letters on the applicant's behalf (along with the instructions on how to upload the documents). **Neither of these reference letters should be from the proposed supervisor.**
- **Personal Statement:** Applicants must submit a personal statement in which they:
 1. describe their background and the reasons why they are applying to the desired program;
 2. describe their research interests and with whom, among the list of potential supervisors, they would like to work;
 3. describe how they hope to impact family medicine practice; and
 4. describe future plans upon graduation from the desired program.

The statement should be no more than two (2) pages long.

- **Writing Assessment**
- **Interview**
- **Official Transcripts:** Applicants must submit one (1) official copy of all transcripts for all post-secondary education undertaken (Quebec students need not submit CEGEP transcripts). Unofficial transcripts may be uploaded to the McGill admissions processing system. Official transcripts are required when an offer of admission has been extended. **Please note:** Official transcripts are not required for studies conducted at McGill University.
- **Writing Sample (for Ph.D. and Bioethics option applicants only):** Applicants to our Ph.D. program must upload a writing sample to review, preferably a thesis or a published article. For Bioethics option applicants, please upload a sample of your writing skills from your undergraduate studies; it does not need to be a thesis or a publication.

FMED 603	(1)	Foundations of Participatory Research
FMED 614	(2)	Foundations of Mixed Methods Research
FMED 616	(1)	Applied Literature Reviews
FMED 625	(3)	Introduction to Qualitative Research in Health

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

11.11.15.5 Master of Science (M.Sc.) Family Medicine (Thesis): Bioethics (45 credits)

** Bioethics option no longer available.**

The M.Sc. in Family Medicine; Bioethics is a thesis graduate program option designed to provide graduate training to those interested in studying empirical research methods and bioethics specialization.

Required Courses (31 credits)

BIOE 680	(3)	Bioethical Theory
BIOE 681	(3)	Bioethics Practicum
BIOE 690	(3)	M.Sc. Thesis Literature Survey
BIOE 691	(3)	M.Sc. Thesis Research Proposal
BIOE 692	(6)	M.Sc. Thesis Research Progress Report
BIOE 693	(12)	M.Sc. Thesis
FMED 603	(1)	Foundations of Participatory Research

Complementary Course (3 credits)

3 credits from the following:

FMED 505	(3)	Epidemiology and Data Analysis in Primary Care I
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FMED 625

(3)

Introduction to Qualitative Research in Health

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.

11.11.1.5.6 Master of Science (M.Sc.) Family Medicine (Thesis): Medical Education (45 credits)

The M.Sc. in Family Medicine; Medical Education focuses on educating future scholars in family medicine education research. The program includes teaching and learning in research methodologies while emphasizing training in educational theories and topics, with a particular attention to health professions education. The thesis must concern an educational issue related to family medicine.

Thesis Courses (24 credits)

Thesis subject should be related to medical education.

FMED 697

(12)

Master's Thesis Research 1

FMED 698

(12)

Master's Thesis Research 2

Required Courses (12 credits)

Issues in Health Professions Education

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

11.11.1.6 Oncology

11.11.1.6.1 Location

Gerald Bronfman Department of Oncology
5100 de Maisonneuve Blvd West, Suite 720
Montreal QC H4A 3T2
Website: mcgill.ca/oncology

11.11.1.6.2 Graduate Diploma 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

11.11.1.6.3 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.

11.11.1.7 Otolaryngology – Head and Neck Surgery

11.11.1.7.1 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

11.11.1.7.2 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.

- Personal Statement
- Acceptance by a research supervisor, possibly after Departmental coordination

11.11.1.7.33 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.

Information on application deadlines is available at mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines.

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

11.11.1.7.4 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.

Physiology, Histop,STc5i166 472.862 Tm.841 Triate, course1 0 1 2t1 165.864 567.561 T, course1 0 1 0 0 1 70.52 520.4

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 11.11.1.8.4: 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 11.11.1.8.5: 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.

11.11.1.8.3 Pathology Admission Requirements and Application Procedures

11.11.1.8.3.1 Admission Requirements

Applicants must have a B.Sc. or an equivalent degree with an extensive background in the physiological and biological sciences. An academic record equivalent to or better than a cumulative grade point average (CGPA) of 3.2 out of 4.0 is required for at least the two final full-time years of undergraduate training, with a minimum CGPA of 3.0 overall, but acceptance is competitive and higher grades are generally required. It is an advantage if candidates have very favourable supporting letters or have demonstrated an exceptional aptitude for research. All candidates are expected to apply for scholarships and fellowships, which usually require a higher CGPA or other evidence of excellence.

Applicants to graduate studies whose native language is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English. Before acceptance, appropriate exam results must be submitted directly from the TOEFL (Test of English as a Foreign Language) or IELTS (International English Language Testing Systems) Office. These applicants are usually required to take the [GRE](#) in order to properly evaluate their suitability.

Students are normally accepted into the M.Sc. program, and those candidates showing exceptional ability may be permitted to transfer into the Ph.D. program after one year of training.

Applicants who already possess an additional degree (M.Sc., M.D.) with appropriate research experience may be allowed to register in the Ph.D. program directly.

For further information, applicants may contact the Teaching Office, Department of Pathology: gradstudies.pathology@mcgill.ca.

11.11.1.8.3.2 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 1.4.4: Application Procedures](#) for detailed application procedures.

All applications will be evaluated by the Graduate Students Committee. Candidates found suitable must then be accepted by a research director, and adequate funding must be obtained for both personal support and research expenses.

11.11.1.832.1 Additional Requirements

- Personal statement
-

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.

11.11.1.9 Psychiatry

11.11.1.9.1 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

11.11.1.9.2 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 11.11.1.9.4: 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 11.11.1.9.5: 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 rele

See [University Regulations & Resources](#) > [Graduate](#) > [Graduate Admissions and Application Procedures](#) > [section 1.4.4: Application Procedures](#) for detailed application procedures.

11.11.19321 Additional Requirements

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

-

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

11.11.1.10 Surgical and Interventional Sciences

11.11.1.101 Location

Surgical and Interventional Sciences (formerly Experimental Surgery)
Montreal General Hospital
1650 Cedar Avenue, T5-110
Montreal QC H3G 1A4
Graduate Program ntal Sur3)

section 11.11.1.10.7: Master of Science (M.Sc.) Surgical and Interventional Sciences (Thesis): Surgical Education (45 credits)

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, sur

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

3 credits from the following:

EDPE 575 (3) Statistics for Practitioners

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.

Master of Science (M.Sc.)Surgical and Interventional Sciences (Thesis): Sur

11.11.1010 Master of Science (M.Sc.) Surgical and Interventional Sciences (Non-Thesis): Oncology (45 credits)

The M.Sc. in Surgical and Interventional Sciences; Non Thesis - Oncology program offers training in surgical research related to oncology and examines the broad range of disciplines in cancer research and care. In addition to an oncology practicum that focuses on a research project in a chosen cancer research discipline, there also will be a surgery research project with a focus on cancer.

Required Courses (24 credits)

EXSU 500	(3)	Artificial Intelligence in Medicine
EXSU 602	(3)	Knowledge Management 2
EXSU 623	(6)	Surgery Research Project 2
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 (6 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:

BMDE 653	(3)	Patents in Biomedical Engineering
BMDE 654	(3)	Biomedical Regulatory Affairs - Medical Devices
BMDE 655	(3)	Biomedical Clinical Trials - Medical Devices
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 521	(3)	Regression Analysis for Health Sciences
EPIB 681	(3)	Global Health: Epidemiological Research
EXMD 609	(3)	Cellular Methods in Medical Research
EXMD 610	(3)	Molecular Methods in Medical Research
EXSU 505	(3)	Trends in Precision Oncology
EXSU 601	(3)	Knowledge Management 1
EXSU 603	(3)	Surgical Education Foundations
EXSU 605	(3)	Biomedical Research Innovation
EXSU 620	(3)	Surgical Innovation 1
EXSU 684	(3)	Signal Transduction
FMED 525	(3)	Foundations of Translational Science
FMED 619	(3)	Program Management in Global Health and Primary Health 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
PHGY 517	(0)	
PHGY 518	(3)	Artificial Cells
PHGY 550	(3)	Molecular Physiology of Bone
PPHS 511	(3)	Fundamentals of Global Health
PPHS 528	(3)	Economic Evaluation of Health Programs
PPHS 529	(3)	Global Environmental Health and Burden of Disease

Electives (15 credits)

15 credits at the 500 level or higher may be chosen from the course list above or from other courses. The courses should have a surgery or oncology related theme. Selections to be approved by the director of the program or adviser.

11.11.10.11 Master of Science (M.Sc.) Surgical and Interventional Sciences (Non-Thesis) (45 credits)

This M.Sc. in Surgical and Interventional Sciences; Non Thesis offers training in core fundamentals of modern surgical research. The program is flexible and provides the core disciplines in more specific areas such as global surgery, innovation, education, or other disciplines. The individual research interests of the faculty cover a wide spectrum, from injury, repair, recovery, tissue engineering, transplantation, fibrosis, cancer and stem cell biology, biomechanics, and organ failure, to surgical simulation, surgical innovation, education, and evaluative/outcomes research. Importantly, the project(s) is performed in a collaborative spirit with basic and clinician scientists working together using interdisciplinary approaches to solve the most challenging problems in the field of surgery.

Required Courses (12 credits)

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
	(3)	Global Health: Epidemiological Research

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.

11.11.1013 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.

11.11.1014 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 (softw

Fax: 514-398-5047

Website: mcgill.ca/anatomy

11.11.222 About Anatomy and Cell Biology

The Department offers graduate programs leading to **M.Sc.** and **Ph.D.** degrees. Research in the Department investigates the dynamics and organization of molecules, organelles, cells, and tissues in several major systems of the body. The work makes fundamental contributions to a number of established and emerging multidisciplinary fields such as:

- cell and molecular biology;
- cellular immunology and hematology;
- reproductive biology;
- calcified tissue biology;
- tumour cell biology;
- developmental biology;
- neurobiology; and
- aging.

The Department offers contemporary facilities for the wide range of techniques currently employed in research. Modern methods of cell and molecular biology, immunology, and biochemistry are used in conjunction with specialized microscopy in a variety of experimental systems.

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 T8.58 Tm(T)Tj-aang

Email: christine.laberge@mcgill.ca

Website: mcgill.ca/biochemistry

11.11.232 About Biochemistry

The Department of Biochemistry of

section 11.11.2.3.6: Master of Science (M.Sc.) Biochemistry (Thesis): Chemical Biology (47 credits)

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 div

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.

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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.

11.11.235 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
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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

* 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.

11.11.236 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: gies inu 0 1 ,emistrygies inu)gi9redm42 566.1gi9rem5683 T6.1gi9r

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.

11.11.237 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.

11.11.239 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.

11.11.2.4 Biomedical Engineering

11.11.2.4.1 Location

Department of Biomedical Engineering
Duff Medical Building
3775 University Street, Room 316
Montreal QC H3A 2B4
Canada
Telephone: 514-398-6736
Website: mcgill.ca/bme

11.11.2.4.2 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.

BMDE 657 (0) 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

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Complementary Courses (6 credits)

Students must complete 6 credits of biomedical engineering course work selected from one or more of the following domains or other appropriate courses at the 500 level or higher approved by the Program Director:

General Biomedical Engineering

BMDE 501	(3)	Selected Topics in Biomedical Engineering
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Biomedical Signals and Systems

BMDE 502	(3)	BME Modelling and Identification
BMDE 503	(3)	Biomedical Instrumentation
BMDE 512	(3)	Finite-Element Modelling in Biomedical Engineering
BMDE 519	(3)	Biomedical Signals and Systems

Medical Imaging

BIEN 530	(3)	Imaging and Bioanalytical Instrumentation
BMDE 610	(3)	Functional Neuroimaging Fusion
BMDE 650	(3)	Advanced Medical Imaging
MDPH 607	(3)	Medical Imaging

Biomaterials and Tissue Engineering

BIEN 510	(3)	Engineered Nanomaterials for Biomedical Applications
BMDE 504	(3)	Biomaterials and Bioperformance
BMDE 505	(3)	Cell and Tissue Engineering

Biosensors and Devices

BIEN 550	(3)	Biomolecular Devices
BIEN 560	(3)	Design of Biosensors
BMDE 503	(3)	Biomedical Instrumentation
BMDE 508	(3)	Introduction to Micro and Nano-Bioengineering

Translational Biomedical Engineering

BMDE 656	(3)	Medical Device Development Process
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11.11.2.5 Human Genetics**11.11.2.5.1 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

11.11.252 About 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
-

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.

11.11.255 Master of Science (M.Sc.) Human Genetics (Thesis): Bioinformatics (45 credits)

The M.Sc. in Human Genetics; Bioethics is a graduate thesis program that focuses on the fundamental questions about life and the interventions by healthcare in research, policy, and practice. The program promotes modern research methodologies, and the knowledge and techniques needed to apply a bioethical analysis to the base discipline of human genetics.

Thesis Courses (33 credits)

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.

11.11.256 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

11.11.257 Master of Science (M.Sc.) Genetic Counselling (Non-Thesis) (48 credits)

The M.Sc. in Genetic Counselling: Non-Thesis is a full-time professional program that focuses on the contemporary practice of genetic counselling and adapts to future developments in the dynamic field of medical genetics and genomics.

Required Courses (48 credits)

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
PA	(3)	Reading and Conference

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

11.1126321 Additional Requirements

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

- [Supervisor Confirmation Form](#)
- Personal Statement
- CV

11.112633 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.

Information on application deadlines is available at mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines.

Online applications and all required documents must be submitted prior to the application deadline.

11.11264 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
	(3)	Basic and Clinical Aspects of Neuroimmunology

11.11.274 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

11.11.275 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

11.11.276 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 undertake research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. 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.)

11.11.277 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.

or the equivalent, upon approval by the Graduate Training Committee (GTC.)

11.11.27.8 Graduate Certificate (Gr. Cert.) Biomedical Science Translational Research (15 credits)

The Graduate Certificate in Biomedical Science Translational Research is an introduction to relevant clinical aspects of translating scientific discovery as a means of bridging the gap between research and application in clinical settings, while promoting future collaboration among scientists, clinicians and clinician-scientists while promoting future collaboration. The program includes clinical mentorship.

Required Courses (12 credits)

FMED 525	(3)	Foundations of Translational Science
PHAR 522D1	(3)	Fundamentals of Disease Therapy
PHAR 522D2	(3)	Fundamentals of Disease Therapy
PHAR 524	(3)	Clinical Mentorship

Complementary Courses (3 credits)

3 credits from:

BMDE 655	(3)	Biomedical Clinical Trials - Medical Devices
EPIB 507	(3)	Biostats for Health Sciences
EXMD 617	(1)	Workshop in Clinical Trials 1
EXMD 618	(1)	Workshop in Clinical Trials 2
EXMD 619	(1)	Workshop in Clinical Trials 3
EXMD 620	(1)	Clinical Trials and Research 1
EXMD 633	(3)	Clinical Aspects of Research in Respiratory Diseases
EXMD 640	(3)	Experimental Medicine Topic 1
PHAR 508	(3)	Drug Discovery and Development 3
PPHS 529	(3)	Global Environmental Health and Burden of Disease

11.11.2.8 Physiology

11.11.2.8.1 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

11.11.2.8.2 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 on our department's [Awards and Financial Assistance](#) page.

section 11.11.2.8.4: 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.

Applications should be submitted as early as possible in order to facilitate processing. However, no applications will be considered after the application deadlines.

11.11.28321 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

11.11.2833 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.

Information on application deadlines is available at mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines.

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

Interested candidates should refer to the Department's [website](#) for details regarding application procedures, as well as other important information.

11.11.284 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.

11.11.285 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

11.11.286 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

11.11.28.7 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 w

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

Doctor of Philosophy (Ph.D.) Physiology: Chemical Bio21.949 6,12 el890 G 0 1 25968 678.583 Tm(Ch11.11.2.8.96,12c0 G 8.1 Tf1 0 0 1 2

Website: mcgill.ca/scsd

11.11.3.2 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 practice as speech-language pathologists within their borders comply with special pro

section 11.11.3.5: Master of Science, Applied (M.Sc.A.) Communication Sciences & Disorders (Non-Thesis): Speech-Language Pathology (82 credits)

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 11.11.3.4: 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 SCSD professor(s) with relevant expertise to mentor the student through the thesis process. Graduates of our M.Sc. research program follow diverse career paths, some working in clinical settings (if they also have a clinical degree) or settings that combine clinical and research activities, and others continuing their research training at the doctoral level.

section 11.11.3.6: Doctor of Philosophy (Ph.D.) Communication Sciences and Disorders

Selected candidates may be accepted into the Ph.D. research degree program. Each student's Advisory Committee designs an individualized program of study in collaboration with the student. The program can include graduate courses offered by the School and by other departments at McGill.

Students pursuing a Ph.D. in SCSD hav

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 av

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.

11.11.3.5 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)	Deglutition and Dysphagia
SCSD 681	(3)	Practicum and Seminar 1
SCSD 682	(3)	Practicum and Seminar 2
SCSD 688	(1)	Genetics in Speech-Language Pathology Practice
SCSD 689	(1)	Management Cranio-Facial Disorders

11.11.3.6 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) in addition to the 5102 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.

11.11.3.7 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) in addition to the 5102 program.

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:

(2)	Language Acquisition Issues 5
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11.11.4.2.2 About Bioethics

Bioethics programs are located in the Department of Equity, Ethics, and Policy. The new Department, established in 2023, aims to support scholarly research, teaching, and public outreach. Members of the Department have backgrounds in law, sociology, molecular genetics, history, philosophy, public health, epidemiology, economics, and psychology. We offer a master's degree specialization in bioethics for selected master's students in the Division of Experimental Medicine, Department of Human Genetics, Department of Philosophy, School of Religious Studies, and Faculty of Law.

Master's Specialization in Bioethics

The Master's Specialization in Bioethics is sponsored by the:

- Faculty of Medicine and Health Sciences, Division of Experimental Medicine, Department of Human Genetics;
- Faculty of Law; and
- Faculty of Arts, Department of Philosophy, School of Religious Studies.

Students receive an **M.A.**, **LL.M.**, or **M.Sc.** degree in the discipline chosen with a specialization in Bioethics.

Some applicants are mid-career professionals currently working as physicians, nurses, social workers, other health care providers, or la

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.

11.11.4.3.3 Epidemiology

The Department offers master's and doctoral degrees in Epidemiology. The methods learned in these fields are used not only in the study of diseases, but also in clinical research, health services research, public health, program planning and evaluation, and policy development. Our faculty members are at the

section 11.11.4.3.3: Master of Science (M.Sc.) Epidemiology (Thesis) (45 credits)

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 11.11.4.3.4: 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 311 515.059 61rdlnlthds committee 0.9216 0.8431 rg0.9804 0.9216 0.8431 RGET67.52 670.427 m651 Tm686.147 15584 2 670.427 lh584 2 670.427 lh51 Tm

section 11.11.4.3.3.9: Doctor of Philosophy (Ph.D.) Epidemiology: Pharmacoepidemiology

pharmacoepidemiology, McGill-trained pharmacoepidemiologists are known for methodological and quantitative rigour, and quantitative analytic independence.

section 11.11.4.3.3.10: 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.

11.11.4.3.3.1 Public Health

The Department offers a Master of Science in Public Health. Students apply the methods they learn to the study of diseases, clinical research, health services research, public health, program planning and evaluation, and policy development. Our faculty members are at the forefront of research in epidemiology, biostatistics, clinical medicine, biomedical informatics, public health, health economics, medical sociology, and health geography.

Faculty members in the Department draw on extensive contacts in the public health community locally, nationally, and internationally to facilitate practicum placements in many areas, including:

- urban public health practice;
- clinical and public health informatics;
- environmental and occupational health;
- health care delivery and organization;
- infectious diseases;
- maternal and child health;
- aboriginal health; and
- global health.

Graduates are highly sought after for careers in government agencies, NGOs, clinical settings, research, and industry.

section 11.11.4.3.3.6: 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).

NOTE: Satisfaction of general requirements does not guarantee admission. Admission to graduate studies is limited and acceptance is on a very competitive basis.

11.114.333 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

11.11.4.335 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.

11.11.4.336 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

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

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.

11.114.337 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.

11.114.338 Doctor of Philosophy (Ph.D.) Epidemiology: Global Health

This option will cs, geographThesj1 0 0 1 70.51 Tm9

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

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.

11.1143310 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.

11.11.4.3.4 Biostatistics

Biostatistics involves the development and application of statistical methods to scientific research in areas such as medicine, epidemiology, public health, occupational and environmental health, genetics, and ecology. Biostatisticians play key roles in designing studies—from helping to formulate the questions that can be answered by data collection to the decisions on how best to collect the data—and in analyzing the resulting data. Our biostatistics faculty work in close collaboration with epidemiologists, clinicians, public health specialists, basic scientists, and other health researchers. They also develop new statistical methods for such data. Students will take courses, and may conduct research on topics such as:

- generalized linear models;
- longitudinal data;
- mathematical statistics;
- causal inference;
- statistical methods for epidemiology; and
- survival analysis.

The Department of Epidemiology, Biostatistics, and Occupational Health has one of the largest concentrations of Ph.D.-level statisticians in health sciences in any Canadian university. Faculty members may have funding available for students through their research grants. We provide rich research environments at five university-affiliated hospitals, public health agencies, and university research centres. Graduates pursue careers in academia, clinical settings, government agencies, NGOs, and industry.

section 11.11.4.3.4.2: 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 11.11.4.3.4.3: 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 11.11.4.3.4.4: 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 w

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

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 701	(0)	Ph.D. Comprehensive Examination
BIOS 702	(0)	Ph.D. Proposal

Complementary Courses (18-46 credits)

0-28 credits from the following list: (if a student has not already successfully completed them or their equivalent)

BIOS 601	(4)	Epidemiology: Introduction and Statistical Models
BIOS 602	(4)	Epidemiology: Regression Models
BIOS 624	(4)	Data Analysis and Report Writing
MATH 523	(4)	Generalized Linear Models
MATH 533	(4)	Regression and Analysis of Variance
MATH 556	(4)	Mathematical Statistics 1
MATH 557	(4)	Mathematical Statistics 2

12 credits (chosen and approved in consultation with the student's academic adviser), at the 500 level or higher, 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).

11.11.4.4 Occupational Health

11.11.4.4.1 Location

Department of Epidemiology, Biostatistics and Occupational Health
2001 McGill College, Suite 1200
Montreal QC H3A 1G1
Canada
Telephone: 514-398-6258
Email: graduate.eboh@mcgill.ca
Website: mcgill.ca/epi-biostat-occh

11.11.4.4.2 About Occupational Health

The Department offers two graduate degree programs: a **Master's** (M.Sc.A.) and **Doctorate** (Ph.D.) in Occupational Health sciences. The master's program is available on campus or in distance education format. Special Student status is encouraged for students who wish to take only specific courses from our M.Sc. program, but there is a maximum of 12 credits ov

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

11.11.445 Master of Science, Applied (M.Sc.A.) Occupational Health (Non-Thesis) (Distance) (45 credits)

This program is currently not accepting applicants.

Research Project (15 credits)

OCCH 699	(15)	Project Occupational Health and Safety
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Required Courses (30 credits)

Note: Students must pass the Master's Integrative Examination (OCCH 600) before writing their Project.

Each course has a final (proctored) examination at the end of the term.

OCCH 600	(0)	Master's Integrative Exam
OCCH 602	(3)	Occupational Health Practice
OCCH 603	(3)	Work and Environment Epidemiology 1
OCCH 604	(3)	Monitoring Occupational Environment
OCCH 608	(3)	Biological Hazards
OCCH 612	(3)	Principles of Toxicology
OCCH 615	(3)	Occupational Safety Practice
OCCH 616	(3)	Occupational Hygiene
OCCH 617	(3)	Occupational Diseases
OCCH 624	(3)	Social and Behavioural Aspects - Occupational Health
OCCH 625	(3)	Work and Environment Epidemiology 2
OCCH 626	(3)	Basics: Physical Health Hazards
OCCH 627	(3)	Work Physiology and Ergonomics
OCCH 630	(3)	Occupational Diseases for OHNS
OCCH 635	(3)	Environmental Risks to Health

On-campus practicum may be held at the discretion of each professor. These sessions are held in Montreal on the McGill University campus. Their aim is to offer students additional specific learning activities. Participation in the practicum is an essential component of the program.

11.11.446 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 Graduate and Postdoctoral Studies

12.1.1 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)

12.1.2 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.

12.1.3 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.

12.2 Important Dates

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

12.3 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

- Doctoral Degrees
- Coursework for Graduate Programs, Diplomas, and Certificates

12.5 Graduate Admissions and Application Procedures

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

- Application for admission;
- Admission requirements;
- Application procedures;
- Competency in English; and
- Other information regarding admissions and application procedures for Graduate and Postdoctoral Studies.

12.6 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.

12.7 Postdoctoral Research

Students must inform themselves of [iss 0 0 16 202j1 0 0 1 1687uv 546.907 ips](#),

i. Postdoctoral appointments may not exceed the re

- to inform themselves of and adhere to the University's policies and/or regulations for postdocs as outlined at mcgill.ca/gps/postdocs and mcgill.ca/students/srr, and the Graduate and Postdoctoral Studies *University Regulations and Resources*;
- to submit a complete file for registration to Enrolment Services;
- to sign and adhere to their Letter of Agreement for Postdoctoral Education;
- to communicate regularly with their supervisor; and
- to inform their supervisor of their absences.

vii. Some examples of the responsibilities of the University are:

- to register postdocs;
- to provide an appeal mechanism in cases of conflict;
- to provide documented policies and procedures to postdocs;
- to provide postdocs with the necessary information on McGill University student services (Postdoctoral Fellows and Scholars) and HR policies and guidelines (Postdoctoral Researchers).

Approved by Senate, April 2000; revised May 2014; February 2020.

12.7.3 Vacation Policy for Postdocs

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

12.7.4 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/f01357.07432.162Tm001173.322iou.162Tm001ig001261.5819.97162Tm00117etlce-roug42Tm\(.\)Tj10016](http://mcgill.ca/gps/f01357.07432.162Tm001173.322iou.162Tm001ig001261.5819.97162Tm00117etlce-roug42Tm(.)Tj10016)

- 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.

12.8 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

12.9 Graduate Student Services and Information

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

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

12.10 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
-

12.11 Browse Academic Units & Programs

The programs and courses in the following sections have been approved for the 2024–2025 session as listed.

12.11.1 Schulich School of Music

12.11.1.1 Location

Schulich School of Music
Strathcona Music Building
555 Sherbrooke Street West
Montreal QC H3A 1E3
Telephone: 514-398-4469
Website: mcgill.ca/music

12.11.1.2 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 the

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 12.11.1.3: 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 12.11.1.5: 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 option may take one of two forms: in-depth monograph-style thesis and the research paper-based thesis that includes a more substantial course load.

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 12.11.1.9: 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. T

section 12.11.1.8: Master of Arts (M.A.) Music Musicology (Thesis): Gender and Women's Studies (45 credits)

Students admitted to the Master of Arts; Music; Musicology - Gender and Women's Studies program who have under

section 12.11.1.17: 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 12.11.1.16: 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 12.11.1.19: 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 12.11.1.14: 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 12.11.1.21: Master of Music (M.Mus.) Performance: Piano (Thesis) (45 credits)

The M.Mus. in Performance; Piano program immerses the pianist in a vibrant musical environment that blends performance training with humanities-based scholarship. The program provides opportunities for chamber music and a range of recital options, including solo and chamber music performance, sound recording, and creative interdisciplinary projects.

Students admitted to the M.Mus. in Performance; Piano program who have undergraduate degrees other than the B.Mus. in Performance Piano from McGill University, may be required to successfully complete one or more undergraduate courses before completion of the Master's degree. Students with a B.Mus. in Performance Piano degree from McGill University may be required to successfully complete MUPD 560 Introduction to Research Methods in Music before completion of the Master's program.

For more information, see mcgill.ca/music/programs/mmus-piano.

section 12.11.1.20: 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.

section 12.11.1.20: Master of Music (M.Mus.) Performance: Organ (Thesis) (45 credits)

For more information, see mcgill.ca/music/programs/mmus-organ.

section 12.11.1.15: 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 hav

section 12.11.1.23: Doctor of Music (D.Mus.) Music: Performance Studies

For more information, see mcgill.ca/music/programs/dmus-performance.

section 12.11.1.24: Doctor of Philosophy (Ph.D.) Music (Composition, Music Education, Musicology, Music Technology, Sound Recording, Theory, Interdisciplinary Studies and Applied Performance Sciences)

The Ph.D. 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 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.

For more information, see mcgill.ca/music/admissions/graduate/doctoral.

section 12.11.1.25: 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,

12.11.1.4 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 under

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)

3 credits from the following:

MUHL 591D1	(1.5)	Paleography
MUHL 591D2	(1.5)	Paleography
MUHL 592	(3)	Popular Music Studies

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

Master of Ar

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.

12.11.1.9 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 (391 221.949 6247 Tm(ses (391 22p Tm 1 492.46(syCaduat:f Music.)Tj1 0 0 396 0 1 492.46 ccepidm(gwill or motakbe ap

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

0-9 credits at the 600 level or higher, approved by the Schulich School of Music.

12.11.1.12 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.; 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
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.

12.11.1.13 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
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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

Master of Music (M.Mus.) Per6 Tm(T)Tj1 006.097 408.7816.161er6 Tm(T)Tjorm Edi:55.289 505.48 1m(9er6 Tm(T)Tj Collab0 0 1ve Piano)T

* 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 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.

12.11.1.15 Master of Music (M.Mus.) Performance: Conducting (Thesis) (45 credits)

The M.Mus. in Performance; Conducting program allows students to specialize in instrument or choral conducting. The program provides for concentrated podium time, interactions with world-class conductors, score study and the development of rehearsal technique. A range of seminars provides for the in-depth study of performance practice and the development of analytical skills.

Students admitted to the M.Mus. in Performance; Conducting program who have under

12.11.1.16 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 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 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
	(3)	Keyboard Modal Counterpoint

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		Arranging
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MUPG 652	(9)	Jazz Ensemble Recital Project
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

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.

12.11.18 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 before completion of the Master's program.

Required Courses (21 credits)

MUGS 605	(0)	Graduate Performance Colloquium
MUIN 610	(1)	Vocal Coaching 1
MUIN 611	(1)	Vocal Coaching 2
MUIN 612	(1)	Vocal Coaching 3

Thesis Courses:

MUIN 620	(3)	Performance Tutorial 1
MUIN 621	(3)	Performance Tutorial 2
MUIN 622*	(3)	Performance Tutorial 3
MUIN 622D1*	(1.5)	Performance Tutorial 3
MUIN 622D2*	(1.5)	Performance Tutorial 3
MUPG 600	(9)	Recital Project 1

* Students can take MUIN 622 or MUIN 622D1 and MUIN 622D2.

Complementary Courses (24 credits)

9 credits from the following:

MUPG 601	(9)	Recital Project 2
MUPG 602	(6)	Recital Project 3

MUPG 603	(3)	Recital Project 4
MUPG 606	(3)	Interdisciplinary Project 1
MUPG 614	(3)	Quick Study

3 credits from the following:

MUPG 590	(3)	Vocal Styles and Conventions
MUPP 690	(3)	Performance Practice Seminar 1
MUPP 691	(3)	Performance Practice Seminar 2
MUPP 692	(3)	Performance Practice Seminar 3
MUPP 693	(3)	Performance Practice Seminar 4
MUPP 694	(3)	Performance Practice Seminar 5
MUPP 695	(3)	Performance Practice Seminar 6

A 3-credit seminar at the 600 level or higher, with the prefix MUCO, MUGS, MUGT, MUHL, MUMT, MUPP or MUTH.

3 credits from the following:

MUPG 590*	(3)	Vocal Styles and Conventions
MUPG 691	(3)	Vocal Ornamentation

* If not already taken.

6 credits from the following:

MUEN 540	(.5)	Chamber Music Project 1
MUEN 541	(.5)	Chamber Music Project 2
MUEN 553	(1)	Vocal Chamber Ensemble
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

12.11.19 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 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 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 UG School of Music Performance & Pedagogy MUIN 622 MUIN 622D1 MUIN 622D2 MUIN 623 MUIN 624 MUIN 625 MUIN 626 MUIN 627 MUIN 628 MUIN 629 MUIN 630 MUIN 631 MUIN 632 MUIN 633 MUIN 634 MUIN 635 MUIN 636 MUIN 637 MUIN 638 MUIN 639 MUIN 640 MUIN 641 MUIN 642 MUIN 643 MUIN 644 MUIN 645 MUIN 646 MUIN 647 MUIN 648 MUIN 649 MUIN 650 MUIN 651 MUIN 652 MUIN 653 MUIN 654 MUIN 655 MUIN 656 MUIN 657 MUIN 658 MUIN 659 MUIN 660 MUIN 661 MUIN 662 MUIN 663 MUIN 664 MUIN 665 MUIN 666 MUIN 667 MUIN 668 MUIN 669 MUIN 670 MUIN 671 MUIN 672 MUIN 673 MUIN 674 MUIN 675 MUIN 676 MUIN 677 MUIN 678 MUIN 679 MUIN 680 MUIN 681 MUIN 682 MUIN 683 MUIN 684 MUIN 685 MUIN 686 MUIN 687 MUIN 688 MUIN 689 MUIN 690 MUIN 691 MUIN 692 MUIN 693 MUIN 694 MUIN 695 MUIN 696 MUIN 697 MUIN 698 MUIN 699 MUIN 700 MUPG 600 MUPG 601 MUPG 602 MUPG 603 MUPG 604 MUPG 605 MUPG 606 MUPG 607 MUPG 608 MUPG 609 MUPG 610 MUPG 611 MUPG 612 MUPG 613 MUPG 614 MUPG 615 MUPG 616 MUPG 617 MUPG 618 MUPG 619 MUPG 620 MUPG 621 MUPG 622 MUPG 623 MUPG 624 MUPG 625 MUPG 626 MUPG 627 MUPG 628 MUPG 629 MUPG 630 MUPG 631 MUPG 632 MUPG 633 MUPG 634 MUPG 635 MUPG 636 MUPG 637 MUPG 638 MUPG 639 MUPG 640 MUPG 641 MUPG 642 MUPG 643 MUPG 644 MUPG 645 MUPG 646 MUPG 647 MUPG 648 MUPG 649 MUPG 650 MUPG 651 MUPG 652 MUPG 653 MUPG 654 MUPG 655 MUPG 656 MUPG 657 MUPG 658 MUPG 659 MUPG 660 MUPG 661 MUPG 662 MUPG 663 MUPG 664 MUPG 665 MUPG 666 MUPG 667 MUPG 668 MUPG 669 MUPG 670 MUPG 671 MUPG 672 MUPG 673 MUPG 674 MUPG 675 MUPG 676 MUPG 677 MUPG 678 MUPG 679 MUPG 680 MUPG 681 MUPG 682 MUPG 683 MUPG 684 MUPG 685 MUPG 686 MUPG 687 MUPG 688 MUPG 689 MUPG 690 MUPG 691 MUPG 692 MUPG 693 MUPG 694 MUPG 695 MUPG 696 MUPG 697 MUPG 698 MUPG 699 MUPG 700 MUPP 690 MUPP 691 MUPP 692 MUPP 693 MUPP 694 MUPP 695 MUPP 696 MUPP 697 MUPP 698 MUPP 699 MUPP 700

MUEN 560	(1)	Chamber Music Ensemble
MUEN 561	(1)	2nd Chamber Music Ensemble
MUEN 568	(1)	Multiple Ensemble 1

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MUEN 598 (1) Percussion Ensembles

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.

12.11.1.20 Master of Music (M.Mus.) Performance: Organ (Thesis) (45 credits)

The M.Mus. in Performance; Organ program provides organists with the opportunity to hone their artistry and interpretive skills. The program combines performance with seminars in historically informed performance practice, music and liturgy, counterpoint, improvisation, and continuo playing, among other options.

Students admitted to the M.Mus. in Performance; Organ program who have undergraduate degrees other than the B.Mus.; Major in Performance (Organ, Harpsichord, Guitar) from McGill University, may be required to successfully complete one or more undergraduate course(s) before completion of the Master's degree. Students with a B.Mus.; Major Performance (Organ, Harpsichord, Guitar) degree from McGill University may be required to successfully complete MUPD 560 before completion of the Master's program.

Required Courses (21 credits)

MUGS 605	(0)	Graduate Performance Colloquium
MUPG 575D1	(1.5)	Organ Repertoire and Performance Practice
MUPG 575D2	(1.5)	Organ Repertoire and Performance Practice

Thesis Courses

MUIN 620	(3)	Performance Tutorial 1
MUIN 621	(3)	Performance Tutorial 2

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

12.11.1.21 Master of Music (M.Mus.) Performance: Piano (Thesis) (45 credits)

The M.Mus.; Performance Piano program blends performance training with humanities-based scholarship in a vibrant musical environment. The program provides opportunities for chamber music and a range of recital options including solo and chamber music performance, sound recording, and creative interdisciplinary projects.

Students admitted to the M.Mus.; in Performance; Piano program who have undergraduate degrees other than the B.Mus.; Major in Performance Piano from McGill University, may be required to successfully complete one or more undergraduate course(s) before completion of the Master's degree. Students with a B.Mus.; Major in Performance Piano degree from McGill University may be required to successfully complete MUPD 560 before completion of the Master's program.

Required Courses (21 credits)

MUGS 605	(0)	Graduate Performance Colloquium
MUPG 683	(1.5)	Piano Seminar 1
MUPG 684	(1.5)	Piano Seminar 2

Thesis Courses

MUIN 620	(3)	Performance Tutorial 1
MUIN 621	(3)	Performance Tutorial 2
MUIN 622*	(3)	Performance Tutorial 3
MUIN 622D1*	(1.5)	Performance Tutorial 3
MUIN 622D2	(1.5)	Performance Tutorial 3
MUPG 600	(9)	Recital Project 1

* Students may take MUIN 622 or MUIN 622D1 and MUIN 622D2

Complementary Courses

9 credits from the following:

MUPG 601	(9)	Recital Project 2
MUPG 602	(6)	Recital Project 3
MUPG 603	(3)	Recital Project 4
MUPG 604	(6)	Chamber Music Recital
MUPG 606*	(3)	Interdisciplinary Project 1
MUPG 607*	(6)	Interdisciplinary Project 2

* Students may take either MUPG 606 or MUPG 607.

3 credits from the following:

MUPP 690	(3)	Performance Practice Seminar 1
MUPP 691	(3)	Performance Practice Seminar 2
MUPP 692	(3)	Performance Practice Seminar 3
MUPP 693	(3)	Performance Practice Seminar 4
MUPP 694	(3)	Performance Practice Seminar 5
MUPP 695	(3)	Performance Practice Seminar 6

A 3-credit seminar at the 600 level or higher with the prefix MUCO, MUGS, MUGT, MUHL, MUMT, MUPP or MUTH.

A 3-credit seminar at the 600 level or higher, approved by the Schulich School of Music.

6 credits from the following:

MUEN 540	(.5)	Chamber Music Project 1
MUEN 541	(.5)	Chamber Music Project 2
MUEN 560	(1)	Chamber Music Ensemble
MUEN 561	(1)	2nd Chamber Music Ensemble
MUEN 568	(1)	Multiple Ensemble 1
MUEN 569	(1)	Tabla Ensemble
MUEN 578	(1)	Song Interpretation 1
MUEN 579	(1)	Song Interpretation 2
MUEN 582	(1)	Piano Ensembles
MUEN 584	(1)	Studio Accompanying
MUEN 585	(1)	Sonata Masterclass
MUEN 588	(1)	Multiple Ensemble 2
MUEN 590	(2)	McGill Wind Orchestra
MUEN 594	(2)	Contemporary Music Ensemble
MUEN 597	(2)	McGill Symphony Orchestra
MUEN 688	(2)	Multiple Ensembles
MUPD 580*	(2)	Piano Pedagogy Practicum
MUPG 571*	(1)	Free Improvisation 1
MUPG 572D1*	(.5)	Free Improvisation 2
MUPG 572D2*	(.5)	Free Improvisation 2
MUPG 670*	(2)	Advanced Continuo 1
MUPG 670D1	(1)	Advanced Continuo 1
MUPG 670D2	(1)	Advanced Continuo 1
MUPG 671*	(2)	Advanced Continuo 2
MUPG 671D1	(1)	Advanced Continuo 2
MUPG 671D2	(1)	Advanced Continuo 2
MUPG 687*	(1)	Collaborative Piano Repertoire 1: Song
MUPG 688*	(1)	Collaborative Piano Repertoire 2: Instrumental
MUPG 689*	(1)	Collaborative Piano Rep.3: Orch. Reduction, Opera, Oratorio

* May be taken only once.

12.11.1.22 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://music.mcgill.ca/graduate>

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

12 - 20 credits

12 credits at the 500 level or higher, to be chosen from the Schulich School of Music's seminar offerings; 3 of the 12 credits must have a MUGS, MUGT, MUHL MUMT, or MUTH course code. Up to 3 of the 12 credits may be replaced with a supervised special project approved by the advisory committee, departmental chair and the Associate Dean of Graduate Studies in Music.

0-8 credits from (Voice Candidates only: Vocal Repertoire Coaching):

MUIN 700	(2)	Doctoral Repertoire Coaching 1
MUIN 701	(2)	Doctoral Repertoire Coaching 2
MUIN 702	(2)	Doctoral Repertoire Coaching 3
MUIN 703	(2)	Doctoral Repertoire Coaching 4

12.11.1.24 Doctor of Philosophy (Ph.D.) Music (Composition, Music Education, Musicology, Music Technology, Sound Recording, Theory, Interdisciplinary Studies and Applied Performance Sciences)

The Ph.D. in Music is offered in eight different topic areas: Musicology, Music Theory, Music Technology, Music Education, Sound Recording, Composition, Interdisciplinary Studies and Applied Performance Sciences.

Students admitted to the Ph.D.; Music program who have a master's degree other than a master's degree in music from McGill University may be required to successfully complete one or more undergraduate courses before completion of the doctoral degree.

Thesis

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

Language Reading Requirements

No foreign-language reading examinations required in Sound Recording, Interdisciplinary Studies, Music Education, Music Technology, Musicology and Applied Performance Sciences.

Composition/Music Theory

One foreign-language reading examination required. Students whose mother tongue is French are exempt from the French Reading Exam.

Required Courses

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 or in Applied Performance Sciences, at the time of the admissions.

Students entering in Ph.D. 2

0-15 credits of seminars at the 600 level or higher will be assigned by the Associate Dean of Graduate Studies in Music in consultation with the area coordinator, or the admissions committee for students in Interdisciplinary Studies or in Applied Performance Sciences, at the time of the admissions. The selection must be approved by the Schulich School of Music. For Music Theory students, 0-6 credits will be selected from the following if not taken previously or equivalent courses:

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
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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. W

12.11.1.25 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, approv

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

Post-Graduate Artist Diploma (Post-Grad Artist Diploma) P

MUPG 572D2 (.5) Free Improvisation 2

and the additional courses from the following list:

Voice

MUIN 610 (1) Vocal Coaching 1

MUIN 611 (1) Vocal Coaching 2

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

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

12.11.1.28 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 dev

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).

12.11.1.29 Schulich School of Music Admission Requirements and Application Procedures

12.11.1.29.1 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/admissions/graduate/graduate-auditions.

Specific admission and document requirements for each program are outlined at mcgill.ca/music/admissions/graduate.

Certificate in Performance: Choral Conducting

Applicants for the Certificate in Choral Conducting must hold a bachelor's degree or its equivalent (as determined by McGill University), typically with a Major in music, including considerable work done in the area of specialization.

All applicants for the Certificate in Choral Conducting are required to pass an audition. Applicants can attend a live audition or submit recorded material.

Applicants who apply for the live audition option must submit screening material for pre-selection. Following a review of these materials, selected applicants will be invited to attend a live audition. For more information, see mcgill.ca/music/admissions/graduate/graduate-auditions.

Specific admission and document requirements for each program are outlined at mcgill.ca/music/admissions/graduate/how-apply/application-materials.

Graduate Diploma in Performance

Applicants for the Graduate Diploma in Performance must hold a B.Mus. or a B.A. degree with a Major or an Honours in music, a Licentiate, or an M.Mus., including considerable work in the area of specialization. All diploma applicants are required to pass an audition. Applicants can attend a live audition or submit recorded material. Voice and jazz applicants who apply for the live audition option will be required to submit screening material for pre-selection. Following a review

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>

1211.1292 Application Procedures

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

See [Univergraduate or graduate de](#)

13.7 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.

13.7.1 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.).

13.7.2 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.

13.7.4 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."

13.7.5 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 e

13.11.1.2 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.

section 13.11.1.8: Master of Science, Applied (M.Sc.A.) Nursing (Non-Thesis): Global Health Direct Entry (61 credits)

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 13.11.1.6: Master of Science, Applied (M.Sc.A.) Advanced Nursing (Non-Thesis): Nursing Services Administration (48 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 13.11.1.9: 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 13.11.1.10: 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 13.11.1.11: Master of Science, Applied (M.Sc.A.) Nurse Practitioner (Non-Thesis): Neonatal

The McGill University, Ingram School of Nursing Neonatal NP concentration is one of two such training programs in the province of Quebec, and only one of two training programs in the country.

The aim of the Neonatal NP concentration is to prepare the neonatal nurse practitioner for a multifaceted role in ambulatory, intermediate and critical care settings. The neonatal nurse practitioner is prepared to provide, and/or collaborate in the provision of services, designed to deal with the health care needs of neonates and their families. The focus is the development of expert clinical competence and leadership. The ability to function as an educator, consultant, collaborator, and leader are integral parts of the Nurse Practitioner role. These competencies are developed throughout the curriculum. In Québec, the Neonatal NP title is *Infirmière praticienne spécialisée en néonatalogie (IPSNN)*.

13.11.1.3 Nursing Admission Requirements and Application Procedures
13.11.1.3.1 Admission Requirements

Pr

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 within Quebec will need to have the biological sciences content (physiology, pathophysiology, pathology, and pharmacology) and the introductory statistics course deemed equivalent to the McGill University B.Sc.(N.). The Nurse Bachelor Assessment Form must be completed, with the course descriptions included.

- Name badges must be w

Required Courses (30 credits)

NUR2 515	(3)	Applied Statistics for Nursing
NUR2 600	(3)	Knowledge Translation in Healthcare
NUR2 603	(3)	Teaching and Learning in Nursing
NUR2 605	(3)	Advanced Clinical Reasoning
NUR2 608	(3)	Seminar in Nursing
NUR2 611	(3)	Policy Leadership in Nursing
NUR2 612	(3)	Research Methods in Nursing 1
NUR2 617	(3)	Clinical in Family Systems Nursing 1
NUR2 626	(3)	Professional Issues in Nursing
NUR2 642	(3)	Ethics in Advanced Practice

Complementary Courses (18 credits)

9-12 credits from one of the following streams:

Knowledge Translation Stream:

9 credits from the following project-based courses:

(6)(6m201Cour Applied Knowledge Translation in Healthcare 1

NUR2 600	(3)	Knowledge Translation in Healthcare
NUR2 606	(3)	Clinical Reasoning in a Global Context
NUR2 608	(3)	Seminar in Nursing
NUR2 611	(3)	Policy Leadership in Nursing
NUR2 612	(3)	Research Methods in Nursing 1
NUR2 617	(3)	Clinical in Family Systems Nursing 1
NUR2 626	(3)	Professional Issues in Nursing
NUR2 630	(3)	Research Project 1
NUR2 631	(6)	Research Project 2
NUR2 632	(3)	Research Project 3
NUR2 636	(3)	Global Health Nursing Internship
NUR2 642	(3)	Ethics in Advanced Practice

Complementary Course (3 credits)

3 credits at the 500 level or higher of a course that furthers global health competencies, to be approved by an Academic Adviser.

Master of Science, Applied (M.Sc.A.) Advanced Nursing (Non-Thesis): Nursing Ser

Research Stream:

NUR2 630	(3)	Research Project 1
NUR2 631	(6)	Research Project 2
NUR2 632	(3)	Research Project 3

13.11.1.8 Master of Science, Applied (M.Sc.A.) Nursing (Non-Thesis): Global Health Direct Entry (61 credits)

NUR2 608	(3)	Seminar in Nursing
NUR2 611	(3)	Policy Leadership in Nursing
NUR2 612	(3)	Research Methods in Nursing 1
NUR2 617	(3)	Clinical in Family Systems Nursing 1
NUR2 618	(3)	Clinical in Family Systems Nursing 2
NUR2 626	(3)	Professional Issues in Nursing
NUR2 642	(3)	Ethics in Advanced Practice
NUR2 648	(6)	Advanced Adult Health Assessment
NUR2 657	(13)	Adult Care Internship 1
NUR2 689	(2)	Clinical Seminar

13.11.1.10 Master of Science, Applied (M.Sc.A.) Nurse Practitioner (Non-Thesis): Mental Health (45 credits)

** New Program. This program replaces the M.Sc.A. Nursing (Non-Thesis) : Mental Health Nurse Practitioner. **

The M.Sc.(A.) in Nurse Practitioner; Non-Thesis – Mental Health, in combination with the Graduate Diploma in Mental Health Nurse Practitioner, focuses on assessment, diagnosis, care and treatment of mental illness in primary, secondary and tertiary care settings.

Required Courses (45 credits)

NUR2 515	(3)	Applied Statistics for Nursing
NUR2 608	(3)	Seminar in Nursing
NUR2 611	(3)	Policy Leadership in Nursing
NUR2 612	(3)	Research Methods in Nursing 1
NUR2 617	(3)	Clinical in Family Systems Nursing 1
NUR2 618	(3)	Clinical in Family Systems Nursing 2
NUR2 626	(3)	Professional Issues in Nursing
NUR2 642	(3)	Ethics in Advanced Practice
NUR2 647	(3)	Pharmacology for Mental Health Nurse Practitioners
NUR2 655	(8)	Mental Health Internship 1
NUR2 690	(3)	Reasoning in Mental Health 1
NUR2 694	(4)	Reasoning in Mental Health 5

13.11.1.11 Master of Science, Applied (M.Sc.A.) Nurse Practitioner (Non-Thesis): Neonatal (45 credits)

The Master of Science(Applied) in Nurse Practitioner; Non-Thesis - Neonatal, in conjunction with the Graduate Diploma Neonatal Nurse Practitioner, focuses on the multifaceted role of the neonatal nurse practitioner in a variety of acute, intermediate and critical care neonatal settings, including advanced assessment, clinical reasoning, diagnosis and other skills to enact the legislated scope of practice of the neonatal nurse practitioner. Students who complete the Neonatal Nurse practitioner program are eligible to write the Ordre des infirmières et infirmiers du Québec's Neonatal Nurse Practitioner specialty (licensing) examination.

Required Courses (45 credits)

NUR2 608	(3)	Seminar in Nursing
NUR2 611	(3)	Policy Leadership in Nursing
NUR2 612	(3)	Research Methods in Nursing 1
NUR2 617	(3)	Clinical in Family Systems Nursing 1
NUR2 618	(3)	Clinical in Family Systems Nursing 2
NUR2 626	(3)	Professional Issues in Nursing
NUR2 642	(3)	Ethics in Advanced Practice
NUR2 644	(3)	Pharmacology for Neonatal Nurse Practitioners

NUR2 660	(3)	Reasoning in Neonatal Practice 1
NUR2 661	(6)	Reasoning in Neonatal Practice 2
NUR2 662	(3)	Neonatal Health Assessment
NUR2 663	(6)	Reasoning in Neonatal Practice 3
NUR2 664	(3)	Evidence in Neonatal Practice

13.11.1.12 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

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

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

Graduate Certificate (Gr.

Required Courses (27 credits)

NUR3 680	(4)	Reasoning in Pediatric and Children's Nursing 1
NUR3 681	(6)	Reasoning in Pediatric and Children's Nursing 2
NUR3 682	(4)	Reasoning in Pediatric and Children's Nursing 3
NUR3 684	(10)	Reasoning in Pediatric and Children's Nursing 4
NUR3 689	(3)	Pharmacology for Pediatric Nurse Practitioners

13.11.1.18 Graduate Certificate (Gr. Cert.) Primary Care Nurse Practitioner (27 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

13.11.1.19 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

13.11.1.20 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

13.11.1.21 Graduate Diploma (Gr. Dip.) Neonatal Nurse Practitioner (30 credits)

The Graduate Diploma in Neonatal Nurse Practitioner, in conjunction with either the M.Sc.(A) in Nurse Practitioner; Non-Thesis - Neonatal (for those entering the program with a Bachelor’s in Nursing) or the Graduate Certificate in Neonatal Nurse Practitioner (for those entering the program with a Master’s in Nursing), focuses on the multifaceted role of the neonatal nurse practitioner in a variety of acute, intermediate and critical care neonatal settings, including advanced assessment, clinical reasoning, diagnosis and other skills to enact the full-legislated scope of practice. Students who complete the Neonatal Nurse practitioner program are eligible to write the Ordre des infirmières et infirmiers du Québec’s Neonatal Nurse Practitioner specialty (licensing) examination.

Required Courses (30 credits)

NUR3 665	(3)	Common Procedures in Neonatal Practice
NUR3 667	(2)	Clinical Seminar in Neonatal Practice
NUR3 668	(12)	Internship in Neonatal Practice 1
NUR3 669	(13)	Internship in Neonatal Practice 2

13.11.1.22 Graduate Diploma (Gr. Dip.) Pediatric Nurse Practitioner (30 credits)

The Graduate Diploma in Pediatric Nurse Practitioner, in conjunction with either the M.Sc.(A.) in Nurse Practitioner ; NonThesis - Pediatric (for those entering the program with a Bachelor’s in Nursing) or the Graduate Certificate in Pediatric Nurse Practitioner (for those entering the program with a Master in Nursing), focuses on the multifaceted role of the pediatric nurse practitioner in a variety of acute, intermediate and critical care pediatric settings including advanced assessment, clinical reasoning, diagnosis and other skills related to reflect the full legislated scope of Pediatric Nurse Practitioner practice. Students who complete the Pediatric Nurse Practitioner program are eligible to write the Ordre des infirmières et infirmiers du Québec’s Pediatric Nurse Practitioner specialty certification examination.

Required Courses (30 credits)

NUR3 654	(0)	
NUR3 655	(12)	Internship in Pediatric and Children's Nursing 2
NUR3 683	(2)	Children and Youth Health Assessment 1
NUR3 685	(2)	Children and Youth Health Assessment 2
NUR3 686	(1)	Clinical Seminar in Pediatric and Children’s Nursing 1
NUR3 687	(1)	Clinical Seminar in Pediatric and Children’s Nursing 2

13.11.1.23 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

13.11.1.24 Doctor of Philosophy (Ph.D.) Nursing

The PhD in Nursing focuses on the advanced nursing knowledge and practice. 387TcU p4.033e10.9117 86.943 TmgreTmt G0 1 3TmlSP Tms3.11.1.24

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 w

14.2 Important Dates

For all dates relating to the academic year, consult

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 de

- 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;
-

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 expected 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 fulfills 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.
-

14.10 Information on Research Policies and Guidelines, Patents, Postdocs, Associates, Trainees

Refer to [University Regulations & Resources](#) > *Gr*

Ottawa ON K2C 3V4
Telephone: 613-564-5454; 1-800-387-8679 (toll free)
Fax: 613-564-1577
Email: information@physiotherapy.ca
Website: physiotherapy.ca

Canadian Alliance of Physiotherapy Regulators
1243 Islington Avenue, Suite 501
Toronto ON M8X 1Y9
Telephone: 416-234-8800
Fax: 416-234-8820
Website: alliancept.org

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: 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: oppq.qc.ca

International Offices

Please check websites of individual countries and states for specific licensing requirements.

14.12 Student Evaluation and Promotion

14.12.1 Degree Requirements for the Master of Science (Applied) – Occupational Therapy (M.Sc.A.OT.), and the Master of Science (Applied) – Physical Therapy (M.Sc.A.PT.)

Entry to professional practice requires the completion of an M.Sc.A.OT. or M.Sc.A.PT. Therefore, students who graduate from the Bachelor of Science in Rehabilitation (OT or PT) must continue to the MSc(A) OT or MSc(A) PT to obtain entry to professional practice.

Students who graduate with the B.Sc.Rehab.Sc. degree with the required cGPA of 3.0 or better will be considered for acceptance into the same discipline of the Master of Science (Applied) program that commences in the summer following graduation. For full details, refer to the Rules and Regulations documents at [School of Physical & Occupational Therapy > Occupational Therapy Program > Master of Science \(Applied\) in Occupational Therapy](#) and [School of Physical & Occupational Therapy > Physical Therapy Program > Master of Science \(Applied\) in Physical Therapy](#).

Entry to the MSc(A) OT or MSc(A) PT requires students to have a minimum cGPA of 3.0. Even when the cGPA requirement is attained, the Occupational Therapy Promotions and Review Committee (OTPRC) or the Physical Therapy Promotion and Review Committee (PTPRC) may recommend that a student not be admitted to the Master's program if, during the Bachelor's program: (i) the student has had 3 or more d: (i) 0 1 86 Tmitted to the 0 0 1 35ing the Bachelor's progr

For complete rules and regulations regarding student promotions, along with the below resource documents, refer to the following School of Physical and Occupational Therapy program documents:

mcgill.ca/spot/ > *Physical Therapy Program* > mcgill.ca/spot/programs/pt/professional-masters or > *Occupational Therapy Program* > mcgill.ca/spot/programs/ot/master-science-applied-occupational-therapy.

- Important Information for Students
- Rules and Regulations
- Curriculum
- Code of Conduct
- Essential Skills and Attributes
- Process-McGill's Office for Student Accessibility & Achievement
- Resources for learners

Students in Occupational Therapy or Physical Therapy must successfully complete a total of 30 credits in the Qualifying Year (QY) in Occupational Therapy or Physical Therapy, or have obtained the B.Sc.Rehab.Sc. - Major Occupational Therapy or Physical Therapy followed by 63 credits in the corresponding M.Sc.A. degree. They must successfully complete all courses in the respective MSc(A) curricula, and be in Satisfactory Standing to obtain the degree of M.Sc.A. (OT or PT).

Due to the sequential nature of the programs, the Occupational Therap

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 acti

Directors

Email: sarah.marshall@mcgill.ca

Progr

section 14.13.1.8: 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 ov

Applicants to a graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized

- 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;
- Completion of the Canadian Professional Health Sciences CASPer Test (the CASPer test is administered by *Altus Assessments*);
- Completion of all application components set out in the *Physical Therapy Qualifying Year Admissions Guide*;
- 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).;
- 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

- An M.Sc. degree in a rehabilitation-related discipline or related field from a university of recognized reputation;
- Evidence of high academic achievement, equivalent to a B+ Standing, or a McGill CGPA of 3.3 (75–79%) is required;
- Applicants must meet the language requirements listed above.

Graduate Certificate in Driving Rehabilitation

- A B.Sc. degree or equivalent in Occupational Therapy or a related field from a university of recognized reputation;
- Evidence of high academic achievement, equivalent to a B Standing or a McGill CGPA of 3.0 (70–74%);
- See point 4 under M.Sc. in Rehabilitation Science (Thesis) above for more information on language requirements.

Graduate Certificate in Chronic Pain Management

- A B.Sc. degree or equivalent in a health-related discipline from a university of recognized reputation;
- Evidence of high academic achievement, equivalent to a B standing or a McGill CGPA of 3.0 (70–74%);
- See points 4 under M.Sc. in Rehabilitation Science (Thesis) above for more information on language requirements.

14.13.142 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 1.4.4: Application Procedures](#) for detailed application procedures.

14.13.142.1 Additional Requirements

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

- Curriculum vitae
- Two years of clinical experience – recommended for M.Sc. in Rehabilitation Science (Non-Thesis).

14.13.143 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.

Information on application deadlines is available at mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines.

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



Note: Applications for Winter term admission will not be considered (except for Graduate Certificate in Chronic Pain Management).

14.13.1.5 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, hearing 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

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

Complementar

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.

14.13.1.9 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 Cour Tm(A-red Cour)Tj1 0 0 1 125.04 147.909 Tm(Tm01 Tm(v)Tj1 0 0 1 41E Tj1 0 0 1 125.0c49 330.321 Tm(vitim01 Qua.52 24 67.52

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.

14.13.1.10 Graduate Certificate (Gr. Cert.) Driving Rehabilitation (15 credits)

The Graduate Certificate in Driving Rehabilitation is a course-based program of 15 credits. The program focuses on the knowledge and skills necessary to offer the full spectrum (screening, evaluation, vehicle adaptation and training) of driving rehabilitation services to diverse client populations. The theoretical content is offered online with synchronous and asynchronous course acti

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.

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

15.5 Graduate Admissions and Application Procedures

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

- Application for admission;
- Admission requirements;
- Application procedures;
- Competency in English; and
- Other information regarding admissions and application procedures for Graduate and Postdoctoral Studies.

15.6 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.

15.7 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.

15.7.1 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.).

15.7.2 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.

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-g G0 1 208.021 79su217 616.78 Tm(.)TjG0 1 208.021 SaS1.36 Tm(w)Tj.es4cTlr/i1 0 0 1 314.885 631.36 P2080 0dera1 390.7

- to inform themselves of and adhere to the University's policies and/or regulations for postdocs as outlined at mcgill.ca/gps/postdocs and mcgill.ca/students/srr, and the Graduate and Postdoctoral Studies *University Regulations and Resources*;
- to submit a complete file for registration to Enrolment Services;
- to sign and adhere to their Letter of Agreement for Postdoctoral Education;
- to communicate regularly with their supervisor; and
- to inform their supervisor of their absences.

- 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.

15.8 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

15.9 Graduate Student Services and Information

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

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

15.10 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

15.11 Browse Academic Units & Programs

The programs and courses in the following sections have been approved for the 2024–2025 session as listed.

15.11.1 Atmospheric and Oceanic Sciences

15.11.1.1 Location

Department of Atmospheric and Oceanic Sciences
Burnside Hall
805 Sherbrooke Street West, Room 305
Montreal QC H3A 0B9
Canada
Telephone: 514-398-3764
Fax: 514-398-6115
Email:

section 15.11.1.5: 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, this background is not necessary to succeed in the program. McGill offers the only program in Canada that includes both atmospheric and oceanic sciences. Students benefit from a high professor-to-student ratio and access to state-of-the-art computing, remote sensing, and atmospheric chemistry laboratory equipment. The Department also has close ties with Environment & 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 15.11.1.6: Doctor of Philosophy (Ph.D.) Atmospheric and Oceanic Sciences: Environment

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

The Ph.D. in Atmospheric and Oceanic Sciences: Environment (option) is a research program offered in collaboration with the [Bieler School of Environment](#).Tj1 0 0 1 366.0

Information on application deadlines is available at mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines.

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



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

15.11.1.4 Master of Science (M.Sc.) Atmospheric and Oceanic Sciences (Thesis) (45 credits)

The Master of Science (M.Sc.) in Atmospheric and Oceanic Sciences is a comprehensive, research-driven program, focusing on topics related to climate dynamics, atmospheric chemistry, physical oceanography, weather forecasting, climate change impacts, air-sea interactions, and polar sciences. This program offers training on effective data collection, research methods, and the effective communication of scientific ideas. The program can be completed in the standard two years.

Thesis Courses (24 credits)

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.

Doctor of Philosophy

Required Courses

(1 credit)

ATOC 700	(1)	Ph.D. Proposal Seminar
ATOC 701	(0)	Ph.D. Comprehensive (General)

Complementary Cour

0-3 credits from:

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

section 15.11.2.4: 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.

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 15.11.2.5: Master of Science (M.Sc.) Biology (Thesis): Environment (45 credits)

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

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 e

Prospective Biology graduate students will have a strong background in the biological sciences, often with specific strengths in their proposed area of study. To encourage interdisciplinary work, the program may also accept students with high 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.D.1 must have a minimum CGPA of 3.5/4.

The Test of English as a Foreign Language (*TOEFL*) is required of applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone). A score of 86 on the TOEFL Internet-based test (iBT) with each component score not less than 20, or 6.5 on *IELTS* is the minimum standard for admission.

15.11.232 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 1.4.4: Application Procedures* for detailed application procedures.

15.11.233 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.

Information on application deadlines is available at mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines.

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit. All inquiries pertaining to admission procedures should be directed to the Graduate Admissions Coordinator, *Ancil Gittens*.



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

15.11.2.4 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 10101010s,6

Master's

Thesis

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

15.11.2.8 Doctor of Philosophy (Ph.D.) Biology: Environment

This program is currently not offered.

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

Thesis

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

15.11.2.9 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.

15.11.3 Chemistry

15.11.3.1 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

15.11.3.2 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/Envir

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

15.11.3.3 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 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.

Information on application deadlines is available at mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines.

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



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

All inquiries concerning graduate work in the Department should be addressed to the Director of Graduate Studies, Department of Chemistry.

15.11.3.4 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.

15.11.3.5 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 contain original research and must be a distinct contribution to knowledge. It must contain original research and must be a distinct contribution to knowledge. It must contain original research and must be a distinct contribution to knowledge.

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.

15.11.4 Computer Science

15.11.4.1 Location

School of Computer Science
 McConnell Engineering, Room 318
 3480 University Street
 Montreal QC H3A 0E9
 Canada
 Telephone: 514-398-7071
 Fax: 514-398-3883
 Email: grad.cs@mcgill.ca
 Website: cs.mcgill.ca

15.11.4.2 About Computer Science

The School of Computer Science is one of the leading teaching and research centres for computer science in Canada and offers several graduate programs. The Master of Science (M.Sc.) Thesis and Doctor of Philosophy (Ph.D.) are research-centric programs preparing students for research careers in academia or industry. They both offer an option in bioinformatics. The Master of Science (M.Sc.) Non-Thesis program is targeted at students looking for careers in applied research and development in industry. In all programs, students will be exposed to cutting-edge computer science developments. Research in the School covers a broad range of areas, including:

- **Theory:** algorithms, combinatorial optimization, computational geometry, cryptography, graph theory, logic and computation, programming languages, quantum computing, theory of computation, and scientific computing;
- **Systems:** compilers, computer games, distributed systems, storage systems, database systems, embedded and real-time systems, systems for data science, networks, software engineering, and model engineering;
- **Applications:** bioinformatics, many areas of artificial intelligence and machine learning, bioinformatics, robotics, computer animation, graphics, vision, and Human Factors in Computing.

More information can be found on the School's website.

section 15.11.4.4: 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 15.11.4.5: 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 15.11.4.6: 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 15.11.4.7: 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 15.11.4.8: 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

section 15.11.4.8: Doctor of Philosophy (Ph.D.) Computer Science: Bioinformatics

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.

15.11.4.3 Computer Science Admission Requirements and Application Procedures

15.11.4.3.1 Admission Requirements

Master of Science (M.Sc.)

The minimum requirement for admission is a bachelor's degree (cumulative grade point average (CGPA) of 3.2 out of 4.0 or better, or equivalent) with the coursework in Computer Science and Mathematics as listed on our *School's website*. The website supplements the information in this publication, and should be consulted by all graduate students.

Ph.D.

In order to apply to the Ph.D. program, applicants should hold an M.Sc. degree in Computer Science or a closely related area from a well-recognized university. Students who hold a B.Sc. degree in Computer Science but have an exceptionally strong academic record may be admitted directly to the Ph.D. program, but they must initially apply to the M.Sc. program. Students who are in the M.Sc. program have the option to be fast-tracked into the Ph.D. program at the end of their first academic year, contingent on excellent performance as judged by the M.Sc. program committee.

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 511	(4)	Network Science
COMP 514	(4)	Applied Robotics
COMP 521	(4)	Modern Computer Games
COMP 545	(4)	Natural Language Understanding with Deep Learning
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 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 598	(3)	Topics in Computer Science 1
COMP 599	(4)	Topics in Computer Science 2
COMP 654	(4)	Graph Representation Learning
COMP 680	(4)	Mining Biological Sequences
COMP 685	(4)	Machine Learning Applied to Climate Change
COMP 766	(4)	Advanced Topics Applications 1
COMP 767	(4)	Advanced Topics: Applications 2

15.11.4.5 Master of Science (M.Sc.) Computer Science (Thesis): Bioinformatics (45 credits)

The Master of Science (M.Sc.) in Computer Science; Bioinformatics provides training in this

interdisciplinary field, which lies at the intersection of biological/medical sciences and mathematics/computer science/engineering. The program includes the development of strategies for experimental design, the construction of tools to analyze datasets, the application of modelling techniques, the creation of tools for manipulating bioinformatics data, the integration of biological databases, and the use of algorithms, artificial intelligence, and statistics. The thesis must focus on bioinformatics in relation to computer science.

Thesis Courses (24 credits)

22 credits selected from:

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

ECSE 508	(3)	Multi-Agent Systems
ECSE 516	(3)	Nonlinear and Hybrid Control Systems
ECSE 518	(3)	Telecommunication Network Analysis

The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. 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.

15.11.5 Earth and Planetary Sciences

15.11.5.1 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

15.11.5.2 About Earth and Planetary Sciences

The Department of Earth and Planetary Sciences offers both **M.Sc.** and **Ph.D**

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, graduate student stipends, 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; and 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.

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 15.11.5.4: 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 15.11.5.5: 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.

15.11.5.3 Earth and Planetary Sciences Admission Requirements and Application Procedures

15.11.5.3.1 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.

15.11.5.3.2 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 1.4.4: Application Procedures](#) for detailed application procedures.

15.11.5.3.3 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.

Information on application deadlines is available at mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines.

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

15.11.5.4 Master of Science (M.Sc.) Earth and Planetary Sciences (Thesis) (45 credits)

The Master of Science in Earth and Planetary Sciences (Thesis) provides the opportunity to conduct research, and it focuses on a broad range of geological, Earth systems, and planetary science topics. Research may encompass natural physical and chemical processes across the age of the solar system, their

interaction with life forms, and the impact of human activities on our environment. A major component of the program is an M.Sc. thesis that reports the main findings of the research. Research for the thesis typically begins in the first year of residence and is completed with mentorship from our faculty, in the second year of residence.

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.

15.11.5.5 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 5.5v

Geography houses McGill's *Geographic Information Centre (GIC)*, maintains arctic and subarctic field stations, and has strong ties with McGill's *Bieler School of Environment*. Faculty and students conduct research in fields as diverse as climate change impacts, periglacial geomorphology, and forest resource history in regions ranging from the Arctic to Africa, Southeast Asia, and Latin America.

Being both a natural and a social science, geography provides a unique opportunity to obtain a broad interdisciplinary exposure to modes of analyzing the many environmental and situational problems of contemporary society. Because of this, a geography degree is a fantastic opportunity to obtain a career in one of a diverse range of fields. Our students have gone on to become United Nations field researchers in Laos, environmental consultants in Toronto, science teachers in the U.S., geography professors in many parts of the world, UNHCR volunteers in Malaysia, policy analysts, and physical scientists in government agencies and research councils, as well as health and social policy researchers in Montreal...the list goes on! If you're on Facebook, look for *McGill Geography Alumni* or [visit our website](#) to learn more about the advantages of having a geography degree from McGill!

Master's degrees in both the physical (M.Sc.) and social (M.A.) sciences are offered by Geography. The core of both programs for all students is field-based research supervised by a faculty member, culminating in a thesis. The core program consists of the thesis component, required, and complementary graduate (500- or 600-level) courses.

Geography also of

section 3.11.9.8: Master of Arts (M.A.) Geography (Thesis): Neotropical Environment (45 credits)

educational approach seeks to facilitate a broader understanding of tropical environmental issues and the de

section 3.11.9.12: Doctor of Philosophy (Ph.D.) Geography: Neotropical Environment

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.

15.11.6.3 Geography Admission Requirements and Application Procedures

15.11.6.3.1 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, applicants who have deficiencies in their preparation but are otherwise judged to be acceptable, will be required to register for a Qualifying program or to undertake additional courses.

Ph.D. Degree

Students who have completed a master's degree in Geography or a related discipline (with high standing) may be admitted at the Ph.D. 2 level.

On rare occasions, a student may be admitted to the Ph.D. degree without having first taken the master's degree. These students, who have deficiencies in their preparation but are otherwise acceptable, will be required to register for a year of coursework and/or be required to take extra courses. The normal duration of a program, including field work where required, is three years.

Normally, the Department will restrict admission to the Ph.D. program to students prepared to work in one of the fields of human or physical geography in which specialized supervision is offered. These fields, which cover a wide range of systematic areas, are listed in documents available from the Department.

English Language Proficiency

For graduate applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized Canadian or American (English or French) institution or from a recognized foreign institution where English is the language of instruction, documented proof of English proficiency is required prior to admission. For a list of acceptable test scores and minimum requirements, visit mcgill.ca/gradapplicants/international/proficiency

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.

15.11.7.3.2 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 1.4.4: Application Procedures](#) for detailed application procedures.

15.11.7.3.2.1 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 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/postgr

15.11.7.6 Doctor of Philosophy (Ph.D.) Mathematics and Statistics

The Ph.D. in Mathematics and Statistics focuses on research in the mathematical or statistical sciences, including the completion of original research publishable in mainstream refereed journals.

Thesis

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

- 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

- 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

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.

15.11.8.3.2 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 1.4.4: 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.

15.11.8.3.2.1 Additional Requirements

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

- two letters of reference;
- Physics CV;
- personal statement;
- thesis abstract or summary – optional;
- *GRE* – recommended but not required

A list of supporting documentation required by the University can be found at mcgill.ca/gradapplicants/apply/prepare/checklist/documents. International students must also demonstrate proficiency in English. Details are available at mcgill.ca/gradapplicants/international/apply/proficiency.

15.11.8.3.3 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of 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.

Information on application deadlines is available at mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines.

Please note, the Ph.D. program with a research emphasis on medical physics only accepts students in Fall.

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

15.11.8.4 Master of Science (M.Sc.) Physics (Thesis) (45 credits)

The M.Sc. in Physics focuses on conducting innovative research in a broad range of fields at the cutting edge of physics, which include but are not limited to astronomy, high energy physics, condensed matter physics, materials science and biophysics. The thesis must focus on research in an area related to one of the Department's research groups.

Required Courses (30 credits)

(1.5) Introduction to Graduate Studies in Physics 1

Thesis

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

PHYS 700 (0) Preliminary Ph.D. Examination

Complementary Courses (6-9 credits)

0-3 credits from:

PHYS 601* (1.5) Introduction to Graduate Studies in Physics 1

PHYS 602* (1.5) Introduction to Graduate Studies in Physics 2

* Students who completed PHYS 601 and PHYS 602 as part of the McGill M.Sc. in Physics program are exempt from these courses.

6 credits at the 600 level or higher, with at least 3 credits in the candidate's area of specialization. Students who completed two or more courses at the 600-level as part of the McGill M.Sc. in Physics program may contact the department to request a 3-credits exemption.

15.11.9 Psychology

15.11.9.1 Location

Department of Psychology
2001 McGill College Avenue, 7th Floor
Montreal QC H3A 1G1
Canada
Telephone: 514-398-6127/514-398-6137
Email: psychology.grad@mcgill.ca
Website: mcgill.ca/psychology

15.11.9.2 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.



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.

section 3.11.20.4: 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 15.11.9.4: 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 3.11.20.5: Doctor of Philosophy (Ph.D.) Psychology

Please contact the Department for more information about this program.

section 15.11.9.6: 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 15.11.9.7: 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.

15.11.9.3 Psychology Admission Requirements and Application Procedures

15.11.9.3.1 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 Major degree (B.A. or B.Sc.) in Psychology. This usually includes an introductory course plus twelve courses in psychology (each equivalent 0 1 1 00 1 176.75 1 7rld Application Pr

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.

15.11.9.3.2 Application Procedures

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

See [section 1.4.4: Application Procedures](#) for detailed application procedures.

15.11.9.3.2.1 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](#).

15.11.9.3.3 Application Dates and Deadlines

Required Course

PSYC 701 (0) Doctoral Comprehensive Examination

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.

15.11.9.6 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

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 Personality and Social Psychology

PSYC 735	(3)	Developmental Psychology and Language
SCSD 619	(3)	Phonological Development
SCSD 632	(3)	Phonological Disorders: Children
SCSD 637	(3)	Developmental Language Disorders 1
SCSD 643	(3)	Developmental Language Disorders 2
SCSD 652	(3)	Advanced Research Seminar 1
SCSD 653	(3)	Advanced Research Seminar 2
SCSD 654	(3)	Advanced Research Seminar 3

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 equiv

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.

15.11.10.3 Redpath Museum Admission Requirements and Application Procedures

15.11.10.3.1 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.

15.11.10.3.2 Application Procedures

Students in the Redpath Museum may enrol in McGill's Department of [section 15.11.2: Biology](#) or other units, including the Department of [section 15.11.5: Earth and Planetary Sciences](#), the Department of [section 3.11.1: Anthropology](#), the Department of [section 2.11.7: Natural Resource Sciences](#), or the [Faculty of Education](#). Anyone interested should contact the unit concerned.

