

2025-26 School of Graduate Studies Calendar:

Collaborative Specializations

The School of Graduate Studies offers approximately 40 graduate collaborative specializations (CSs). This specialization category emerges from cooperation between two or more graduate units and their graduate programs. The student has a broader base from which to explore a novel interdisciplinary area or some special development in a particular discipline.

The student must be admitted to, and enrol in, one of the collaborating graduate units (known as a “home” unit) and must fulfil all the requirements of the degree program in the home unit and any additional requirements of the CS. Each CS is designed to allow a focus in the area of specialty. On successful completion of the specialization, the student receives a transcript notation indicating completion of the collaborative specialization, in addition to the degree.

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Addiction Studies

Telephone: 416-535-8501 ext. 34428
Michael.Chaiton@utoronto.ca

Addiction Studies: Introduction

Lead Faculty of the Collaborative Specialization

Public Health

Participating Degree Programs

Counselling and Clinical Psychology — MA, PhD
Criminology and Sociolegal Studies — MA, PhD
Medical Science — MSc, PhD
Nursing Science — PhD
Pharmaceutical Sciences — MSc, PhD
Pharmacology — MSc, PhD
Psychology — MA, PhD
Public Health Sciences — MPH, MSc, PhD
Social Work — MSW, PhD
Sociology — MA, PhD

Overview

The graduate programs listed above, in collaboration with the Centre for Addiction and Mental Health and the Ontario Tobacco Research Unit, participate in the Collaborative Specialization in Addiction Studies at the University of Toronto. The purpose of the Addiction Studies specialization is to develop and integrate graduate training in the multidisciplinary field of addictions, an area that includes the use and abuse of alcohol, tobacco, and psychoactive substances, as well as gambling and other addictive behaviours. Master's programs requiring a thesis, practicum, or research paper, and doctoral programs are included. Upon successful completion of the degree requirements of the participating home graduate unit and the collaborative specialization, students will receive the notation "Completed Collaborative Specialization in Addiction Studies" on their transcript.

Contact and Address

Web: www.dlsph.utoronto.ca/program/collaborative-specialization-in-addiction-studies

Hayley Hamilton, PhD
Scientist, Centre for Addiction and Mental Health
Associate Professor, Dalla Lana School of Public Health,
University of Toronto
33 Ursula Franklin Street, Toronto, Ontario M5S 2S1
Telephone: 416-535-8501 ext. 36353
Hayley.Hamilton@camh.ca

Michael Chaiton, PhD
Scientist, Centre for Addiction and Mental Health
Associate Professor, Dalla Lana School of Public Health,
University of Toronto
33 Ursula Franklin Street, Toronto, Ontario M5S 2S1

Addiction Studies: Master's Level

Minimum Admission Requirements

- Applicants must apply to and be admitted to both the collaborative specialization and a graduate degree program in one of the collaborating graduate units. They must contact the collaborating professor within their graduate unit directly.

Completion Requirements

- Students must meet all requirements of their home graduate unit in terms of coursework and thesis work, or equivalent.
- Master's students in the collaborative specialization are required to complete:
 - PAS3700H *Multidisciplinary Aspects of Addictions*
 - 0.5 full-course equivalent (FCE) selected from the following list of approved elective courses or an approved directed reading course:
 - APD1291H *Addictive Behaviours: Approaches to Assessment and Intervention*
 - CHL5120H *Population Health Perspectives on Mental Health and Addictions*
 - CHL5417H *Tobacco and Health: From Cells to Society*
 - MSC1085H *Molecular Approaches to Mental Health and Addictions*
 - PAS3701H *Advanced Research Issues in Addictions*
 - PCL3100H *Behavioural Pharmacology I*
 - PCL3101H *Behavioural Pharmacology II*
 - SWK4616H *Drug Dependencies: Interventive Approaches*
- The student's thesis must deal with a subject in the field of addictions. The thesis is supervised and evaluated in the same manner as others in the home graduate unit, but normally involves, as appropriate, supervisory and examining professors from other disciplines represented in the collaborative specialization. In collaborating graduate units that do not require a thesis, a practicum or major research paper will be accepted instead of a thesis, as long as the topic or focus is directly related to addictions. In collaborating graduate units that do not have a thesis or equivalent requirement, students must take a third 0.5 FCE from the list of approved electives.

Addiction Studies: Doctoral Level

Minimum Admission Requirements

- Applicants who wish to enrol in the collaborative specialization must apply to and be admitted to both the collaborative specialization and a graduate degree program in one of the collaborating graduate units. They must contact the collaborating professor within their graduate unit directly.

Completion Requirements

- Students must meet all requirements of their home graduate unit in terms of coursework and thesis work, or equivalent.
- Doctoral students in the collaborative specialization are required to complete:
 - PAS3700H *Multidisciplinary Aspects of Addictions*, if they have not already done so
 - an additional 0.5 full-course equivalent (FCE) (not taken previously) from the following list of approved elective courses or an approved directed reading course:
 - APD1291H *Addictive Behaviours: Approaches to Assessment and Intervention*
 - CHL5120H *Population Health Perspectives on Mental Health and Addictions*
 - CHL5417H *Tobacco and Health: From Cells to Society*
 - MSC1085H *Molecular Approaches to Mental Health and Addictions*
 - PAS3701H *Advanced Research Issues in Addictions*
 - PCL3100H *Behavioural Pharmacology I*
 - PCL3101H *Behavioural Pharmacology II*
 - SWK4616H *Drug Dependencies: Interventive Approaches*.
- The student's thesis must deal with a subject in the field of addictions. The thesis is supervised and evaluated in the same manner as others in the home graduate unit, but normally involves, as appropriate, supervisory and examining professors from other disciplines represented in the collaborative specialization. In collaborating graduate units that do not require a thesis, a practicum or major research paper will be accepted instead of a thesis, as long as the topic or focus is directly related to addictions. In collaborating graduate units that do not have a thesis or equivalent requirement, students must take a third 0.5 FCE from the list of approved electives.

Addiction Studies: Courses

Core Course

PAS3700H

Elective Courses

APD1291H, CHL5120H, CHL5417H, MSC1085H, PAS3701H, PCL3100H, PCL3101H, SWK4616H

Aging, Palliative and Supportive Care Across the Life Course

Aging, Palliative and Supportive Care Across the Life Course: Introduction

Lead Faculty of the Collaborative Specialization

Social Work

Participating Degree Programs

Adult Education and Community Development — MA, MEd, PhD
Anthropology — MA, MSc, PhD
Counselling and Clinical Psychology — MA, PhD
Counselling Psychology — MEd, EdD
Dentistry — MSc, PhD
Health Administration — MHSc
Health Policy, Management and Evaluation — MSc, PhD
Information — MI, PhD
Medical Science — MSc, PhD
Music — MA, PhD
Nursing Science — MN, PhD
Pharmaceutical Sciences — MSc, PhD
Psychology — MA, PhD
Public Health Sciences — MPH, MSc, PhD
Rehabilitation Science — MSc, PhD
Social Work — MSW, PhD
Sociology — MA, PhD
Women and Gender Studies — MA

Overview

The Collaborative Specialization in Aging, Palliative and Supportive Care Across the Life Course prepares students for specialization in the field of aging and/or the field of palliative and supportive care, with an emphasis on viewing aging and palliative issues within the perspective of the life course. The collaborative specialization offers students two options of study:

- aging and the life course;
- palliative and supportive care.

Students must apply to and register in a home participating unit (i.e., one of the graduate programs listed above), and follow a course of study acceptable to both the graduate unit and the Collaborative Specialization in Aging, Palliative and Supportive Care Across the Life Course.

Upon successful completion of the degree requirements of the participating home graduate unit and the collaborative specialization, students will receive the notation "Completed Collaborative Specialization in Aging, Palliative and Supportive Care Across the Life Course" on their transcript.

Contact and Address

Web: www.aging.utoronto.ca
Telephone: (416) 978-0377
Email: aging@utoronto.ca

Collaborative Specialization in Aging, Palliative and Supportive Care Across the Life Course
University of Toronto
Room 214, 246 Bloor Street West
Toronto, Ontario M5S 1V4 Canada

Aging, Palliative and Supportive Care Across the Life Course: Master's Level

Minimum Admission Requirements

- Applicants must apply to a participating graduate unit and comply with the admission procedures of that unit. Applicants may apply concurrently to their participating graduate unit and to the Collaborative Specialization in Aging, Palliative and Supportive Care Across the Life Course.
- Applicants must forward the following to the committee of the Collaborative Specialization in Aging, Palliative and Supportive Care Across the Life Course:
 - a. A copy of the School of Graduate Studies application form submitted to the participating graduate unit.
 - b. Copies of official undergraduate and graduate transcripts from all institutions previously or currently attended.
 - c. A resumé or curriculum vitae (CV).
 - d. A letter explaining how their course of study and specific research interests relate to either option 1 in aging and the life course, or option 2 in palliative and supportive care at the graduate level.
- Students may use copies of official documents (a. and b. above) for their application to the Collaborative Specialization in Aging, Palliative and Supportive Care Across the Life Course. These may be obtained from their home participating graduate unit.

Completion Requirements

MA in Adult Education and Community Development;
MA and MSc in Anthropology;
MA in Counselling and Clinical Psychology;
MEd in Counselling Psychology;
MSc in Dentistry;
MHSc in Health Administration;
MSc in Health Policy, Management and Evaluation;
Master of Information (Thesis and Co-op Options);
MSc in Kinesiology;
MSc in Medical Science;
MA in Music;
Master of Nursing Science;
MSc in Pharmaceutical Sciences;
MA in Psychology;

Master of Public Health;
 MSc in Rehabilitation Science;
 Master of Social Work;
 MA in Sociology;
 MSc in Speech-Language Pathology;
 MA in Women and Gender Studies

In addition to meeting the program requirements of their home graduate unit, students must complete:

- The core course for the chosen option (i.e., aging and the life course or palliative and supportive care): AGE1000H *Multidisciplinary Research Concepts in Palliative and Supportive Care* or AGE2000H *Principles of Aging*.
- One elective course (0.5 FCE) from a) the chosen option's pre-approved elective list **or** b) the student's home graduate unit list of courses and/or other graduate-level elective courses, provided the focus of the student's assignments is in the area of this specialization (aging or palliative) and the course is approved by the specialization committee as a suitable elective.
- The major research paper, thesis, or practicum in the participating degree program will be on a topic in the chosen option of this specialization.

Master of Information (Coursework-Only Option)

In addition to meeting the program requirements of their home graduate unit, students must complete:

- The core course for the chosen option (i.e., aging and the life course or palliative and supportive care): AGE1000H *Multidisciplinary Research Concepts in Palliative and Supportive Care* or AGE2000H *Principles of Aging*.
- Four elective courses (2.0 FCEs), one of which can be a practicum course, from a) the chosen option's pre-approved elective list **or** b) the student's home graduate unit list of courses and/or graduate-level elective courses, where the topic of the major paper or practicum field is in the area of the chosen specialization (aging or palliative). Courses not on the pre-approved list must be approved by the collaborative specialization director and/or committee, after consultation with the Information faculty member associated with the collaborative specialization and, as needed, the course instructor, to count towards the collaborative specialization requirements.

MEd in Adult Education and Community Development

In addition to meeting the program requirements of their home graduate unit, students must complete:

- The core course for the chosen option (i.e., aging and the life course or palliative and supportive care): AGE1000H *Multidisciplinary Research Concepts in Palliative and Supportive Care* or AGE2000H *Principles of Aging*.
- Two elective courses (1.0 FCE) from a) the chosen option's pre-approved elective list **or** b) the student's home graduate unit list of courses and/or other graduate-level courses, provided the focus of the student's assignments is in the area of this specialization (aging or palliative) and the course is approved by the specialization committee as a suitable elective.

Aging, Palliative and Supportive Care Across the Life Course: Doctoral Level

Minimum Admission Requirements

- Applicants must apply to a participating graduate unit and comply with the admission procedures of that unit.
- Applicants may apply concurrently to their participating graduate unit and to the Collaborative Specialization in Aging, Palliative and Supportive Care Across the Life Course.
- Applicants must forward the following to the collaborative specialization committee:
 - A copy of the School of Graduate Studies application form submitted to the participating graduate unit.
 - Copies of official undergraduate and graduate transcripts from all institutions previously or currently attended.
 - A resumé or curriculum vitae (CV).
 - A letter explaining how their course of study and specific research interests relate to either option 1 in aging and the life course, or option 2 in palliative and supportive care at the graduate level.
 - Two letters of reference.
- Students may use copies of official documents (i.e., application form and transcripts) for their application to the Collaborative Specialization in Aging, Palliative and Supportive Care Across the Life Course. These may be obtained from the participating home graduate unit.

Completion Requirements

- In addition to meeting the program requirements of their home graduate unit, students will be required to complete both the
 - master's-level core course: AGE1000H *Multidisciplinary Research Concepts in Palliative and Supportive Care* or AGE2000H *Principles of Aging* and
 - doctoral-level core course: AGE1500H *Advanced Research Methodologies in Palliative and Supportive Care* or AGE3000H *Advanced Research Seminar in Aging and the Life Course*, and
 - one elective course (0.5 FCE) for either of the two options.
- The master's-level course must be completed before enrolling in the doctoral-level course.
- It is expected that the student's thesis or practicum (whichever is included in his or her program of study) would be in his or her chosen study areas (i.e., in either aging and the life course or palliative and supportive care).

Aging, Palliative and Supportive Care Across the Life Course: Courses

Core Courses for Option 1: Aging and the Life Course

Master's Level

AGE2000H

Doctoral Level

AGE3000H

Core Courses for Option 2: Palliative and Supportive Care

Master's Level

AGE1000H

Doctoral Level

AGE1500H

Elective Courses for Option 1 or 2

Special topics courses can be taken as part of the program requirements of this collaborative specialization. Students must check their home graduate unit's website for course availability in any given session.

DEN1003H, NUR1057H, SLP1533Y, SLP1534H, SOC6707H, SWK4614H, SWK4618H, SWK4634H, SWK4641H, SWK4803H

Requests to approve other courses as equivalent to fulfil collaborative specialization requirements may be made to the collaborative specialization committee. Students taking either option may choose the master's core course in the other option as an elective.

Additional Electives for Option 2 Only

HAD5301H, HAD5730H, HAD5771H, MSC1090H, NUR1021H, NUR1024H, NUR1025H, NUR1045H, NUR1046H, NUR1050H, PHL2145H, PHL2146Y

Ancient and Medieval Philosophy

Ancient and Medieval Philosophy: Introduction

Lead Faculty of the Collaborative Specialization

Arts and Science

Participating Degree Programs

Classics — PhD
Medieval Studies — PhD
Philosophy — PhD

Overview

The graduate units listed above participate in the Collaborative Specialization in Ancient and Medieval Philosophy. The three units contribute courses and provide facilities and supervision of doctoral research. Ancient and Medieval Philosophy operates only at the doctoral level. The specialization is administered by a committee, which is drawn from all three units and is chaired by the director, who is a member of the committee.

Students who wish to enrol in the collaborative specialization must apply to and be admitted to both the doctoral program in one of the collaborating graduate units and the collaborative specialization. Upon successful completion of the doctoral degree requirements of the participating home graduate unit and the collaborative specialization, students will receive the notation "Completed Collaborative Specialization in Ancient and Medieval Philosophy" on their transcript.

Interested students should contact the director and the graduate coordinator of the unit in which they intend to register.

Contact and Address

Web: csamp.utoronto.ca
Email: csamp@utoronto.ca
Telephone: (416) 978-3178
Fax: (416) 978-8703

Ancient and Medieval Philosophy: Doctoral Level

Minimum Admission Requirements

- All applicants must meet the admission criteria of the unit through which they wish to enrol.

Completion Requirements

- Students must fulfil the normal requirements of the PhD in their home unit.
- Students will normally concentrate in either ancient or medieval philosophy, though it is not necessary to indicate such specialization formally. Their plan of study must also be approved by the collaborative specialization committee and must include the following elements:
 - 1.0 full-course equivalent (FCE) in some area of philosophy other than the history of philosophy.
 - Successful completion of the proseminar (AMP2000Y).
 - A language competence examination at the appropriate level (in at least one of Greek, Classical or Medieval Latin, or Arabic, as relevant) consisting of unseen translation must be successfully completed before the major field or area examinations are first attempted.
 - Area, qualifying, or major field examinations must contain a paper involving translation from at least one of Greek, Classical or Medieval Latin, or Arabic (as appropriate to the area or field). This examination will be based on a substantial list of texts relevant to the field or area.
 - A reading knowledge of two modern languages other than English.
- In most cases, some of these elements will be fulfilled by program requirements in the doctoral program of the home unit.

Ancient and Medieval Philosophy: Courses

Required Course

AMP2000Y

Bioethics

Bioethics: Introduction

Admissions to this collaborative specialization have been administratively suspended.

Lead Faculty of the Collaborative Specialization

Public Health

Participating Degree Programs

Health Administration — MHS
Health Policy, Management and Evaluation — MSc, PhD
Law — LLM, SJD
Medical Science — MSc, PhD
Nursing Science — MN, PhD
Pharmaceutical Sciences — MSc, PhD
Philosophy — MA, PhD
Public Health Sciences — MPH, MSc, PhD
Rehabilitation Science — MSc, PhD
Religion — MA, PhD
Social Work — PhD
Women and Gender Studies — MA

Overview

The graduate units listed above participate in the Collaborative Specialization in Bioethics at the master's and doctoral levels.

Applicants with an interest in bioethics register in one of the graduate units associated with the Collaborative Specialization in Bioethics. Upon successful completion of the degree requirements of the participating home graduate unit and the collaborative specialization, students will receive the notation "Completed Collaborative Specialization in Bioethics" on their transcript.

Contact and Address

Web: jcb.utoronto.ca
Email: jcb.ea@utoronto.ca
Telephone: (416) 978-1906
Fax: (416) 978-1911

Collaborative Specialization in Bioethics
Joint Centre for Bioethics (JCB)
University of Toronto
Suite 754, 155 College Street
Toronto, Ontario M5T 1P8
Canada

Bioethics: Master's Level

Minimum Admission Requirements

- Applicants to the collaborative specialization must apply to and be admitted to both the collaborative specialization and a graduate degree program in one of the collaborating graduate units.
- Students interested in the master's programs apply to both the collaborating graduate unit and the Collaborative Specialization in Bioethics. Applications for admission to the collaborative specialization are considered only after admission to the collaborating graduate unit. If a student applies to more than one unit, a copy of each file must be submitted to the collaborative specialization at the contact above.
- Visit the Collaborative Specialization in Bioethics website for the application form and details about supporting documentation. The application must be accompanied by:
 - application form
 - an up-to-date curriculum vitae (CV)
 - up-to-date copies of all transcripts
 - a one-page letter of intent
 - two letters of reference.
- Where a thesis is required, an email or note from the proposed supervisor indicating willingness to supervise the student should be submitted to the Collaborative Specialization in Bioethics at the contact above. The JCB website lists faculty and bioethicists who are available for advice relating to research proposals.

Completion Requirements

- Students will be expected to meet the requirements of the home graduate unit as well as those of the Collaborative Specialization in Bioethics. Students should check with their home graduate program whether the collaborative specialization course requirements may be counted towards the degree.
- Students must complete:
 - SRM3333Y, a credit/no credit graduate seminar series in bioethics.
 - PHL2145H, a review of the philosophical foundations of bioethics. Students who have completed an equivalent graduate course in philosophical bioethics may apply to the Program Director to have this requirement waived.
 - Bioethics-related 0.5 full-course equivalent (FCE), normally from the suggested list below.
- Master's programs require either a thesis or equivalent research project as determined by the home unit. The thesis will be supervised by a thesis committee comprising a supervisor and two other members, at least one of whom is identified as an affiliated Collaborative Specialization in Bioethics faculty member. The thesis is evaluated according to the procedures and standards of the home graduate unit and must fall within the broad area of bioethics. Non-thesis projects require supervision; requirements for such projects will be determined by the home unit. Students in coursework-only degree programs must complete additional coursework in approved bioethics electives. For the Master of Laws (LLM) coursework-only option, 1.0 FCE in additional courses in bioethics are required.

Bioethics: Doctoral Level

Minimum Admission Requirements

- Applicants to the collaborative specialization must apply to and be admitted to both the collaborative specialization and a graduate degree program in one of the collaborating graduate units.
- Students interested in the doctoral programs apply to both the collaborating graduate unit and the Collaborative Specialization in Bioethics. Applications for admission to the collaborative specialization are considered only after admission to the collaborating graduate unit. If a student applies to more than one unit, a copy of each file must be submitted to the collaborative specialization at the contact above.
- Visit the Collaborative Specialization in Bioethics website for the application form and details about supporting documentation. The application must be accompanied by:
 - application form
 - an up-to-date curriculum vitae (CV)
 - up-to-date copies of all transcripts
 - a one-page letter of intent
 - two letters of reference
- For the doctoral thesis, an email or note from the proposed supervisor indicating willingness to supervise the student should be submitted to the Collaborative Specialization in Bioethics at the contact above. The JCB website lists faculty and bioethicists who are available for advice relating to research proposals.

Completion Requirements

- Students will be expected to meet the requirements of the home graduate unit as well as those of the Collaborative Specialization in Bioethics. Students should check with their home graduate program whether the collaborative specialization course requirements may be counted towards the degree.
 - Students must complete:
 - SRD4444Y, a credit/no credit graduate seminar series in bioethics.
 - PHL2145H, a review of the philosophical foundations of bioethics. Students who have completed an equivalent graduate course in philosophical bioethics may apply to the collaborative specialization director to have this requirement waived.
 - Bioethics-related 0.5 full-course equivalent (FCE), normally from the suggested list below.
- All doctoral candidates must complete a thesis. The thesis will be supervised by a thesis committee comprising a supervisor and normally two other members, at least one of whom is identified as an affiliated Collaborative Specialization in Bioethics faculty member. The thesis is evaluated according to the procedures and standards of the home graduate unit and must fall within the broad area of bioethics.

Bioethics: Courses

Please note that these courses are not offered every year. Consult each unit's website for details.

Health Policy, Management and Evaluation

HAD5011H, HAD5306H, HAD5741H, HAD5771H

Law

Participation in LAW courses is at the discretion of the Faculty of Law upon presentation, to the Faculty of Law Records Office, of a signed permission form from the student's home graduate unit. Note that preference is given to JD students and that many LAW courses are full by the end of the Faculty of Law add/drop period.

LAW6003Y, LAW6006H

Nursing Science

NUR1021H

Philosophy

PHL2131H, PHL2132H, PHL2133H

Public Health Sciences

CHL3002Y, CHL3003Y, CHL3004Y, CHL3051H, CHL5121H, CHL5401H, JRH5124H

Social Work

SWK6308H

+

Biomedical Engineering (Collaborative Specialization)

Biomedical Engineering: Introduction

Effective September 1, 2024, admissions are administratively suspended. This collaborative specialization will close on August 31, 2026

Lead Faculty of the Collaborative Specialization

Applied Science and Engineering

Participating Degree Programs

Biochemistry — MSc, PhD
Biomedical Engineering — MASc, PhD
Chemical Engineering and Applied Chemistry — MASc, PhD
Chemistry — MSc, PhD
Dentistry — MSc, PhD
Electrical and Computer Engineering — MASc, PhD
Laboratory Medicine and Pathobiology — MSc, PhD
Materials Science and Engineering — MASc, PhD
Mechanical and Industrial Engineering — MASc, PhD
Medical Biophysics — MSc, PhD
Medical Science — MSc, PhD
Pharmaceutical Sciences — MSc, PhD
Physics — MSc, PhD
Physiology — MSc, PhD
Rehabilitation Science—MSc, PhD

Overview

The graduate programs listed above participate in the Collaborative Specialization in Biomedical Engineering at the University of Toronto. This specialization offers the opportunity for research in biomedical engineering leading to master's and doctoral degrees. The collaborative specialization is housed in the Institute of Biomedical Engineering (IBME).

Biomedical engineering is a multidisciplinary field that integrates engineering with biology and medicine. It uses methods, principles, and tools of engineering, physical sciences, and mathematics to solve problems in the medical and life sciences. Biomedical engineering consists of the application of the concepts and methods of engineering and physics to the study of living systems, to the enhancement and replacement of those systems, to the design and construction of systems to measure basic physiological parameters, to the development of instruments, materials, and techniques for biological and medical practice, and to the development of artificial organs. By its nature the field is interdisciplinary and involves close collaboration between many departments of the university and associated hospitals.

Upon successful completion of the degree requirements of the participating home graduate unit and the collaborative specialization, students will receive the notation "Completed Collaborative Specialization in Biomedical Engineering" on their transcript.

Contact and Address

Web: bme.utoronto.ca
Email: contact.bme@utoronto.ca
Telephone: (416) 978-4841
Fax: (416) 978-4317

Collaborative Specialization in Biomedical Engineering
Institute of Biomedical Engineering
University of Toronto
Rosebrugh Building, Room 407, 164 College Street
Toronto, Ontario M5S 3G9 Canada

Biomedical Engineering: Master's Level

Admissions to this collaborative specialization have been administratively suspended.

Minimum Admission Requirements

- Applicants who wish to enrol in the collaborative specialization must apply to and be admitted to both the collaborative specialization and a graduate degree program in one of the collaborating graduate units.
- Applicants must be graduates in dentistry, engineering, engineering science, medicine, or one of the physical or biological sciences and must be accepted to the Collaborative Specialization in Biomedical Engineering through one of the collaborating graduate units (home graduate units) listed above.

Completion Requirements

Students register in the School of Graduate Studies through their home graduate unit; they will meet all respective degree requirements as described by SGS and the collaborative specialization committee. As part of these requirements:

- The program of study for each MASc or MSc degree student registered in the collaborative specialization must meet the requirements of the collaborating unit and will normally comprise **at least 2.0 full-course equivalents (FCEs) and a thesis** in the biomedical field.
 - Engineering and physical science students will be required to take a biological sciences course such as JPB1022H *Human Physiology as Related to Biomedical Engineering* (or an equivalent).
 - Biological science students will be expected to take a physical sciences course such as JPB1055H *Bioengineering for Life Scientists* (or an equivalent).
 - Students will be expected to take BME1477H *Biomedical Engineering Project Design and Execution* and pursue a thesis topic relevant to biomedical engineering.

- In addition to the 2.0 FCEs, students registered in a graduate degree program involving research are required to participate in **two seminar courses**: one of BME1010H or BME1011H *Graduate Seminar Series* and JDE1000H *Ethics in Research*.
- Students are required to have a supervisory committee approved by the collaborative specialization committee and consisting of a supervisor from IBME, with a cross-appointment in the home unit, and other members from other collaborating units as required.
- The examination committee will be constituted according to procedures in the home graduate unit and will include a member from that collaborating unit.

- Each PhD student is normally required to have a supervisory committee consisting of at least three persons, including a supervisor who has an appropriate graduate appointment and who is also a member of the graduate faculty in the home unit. When appropriate, an additional member of the supervisory committee may be from outside the University of Toronto, with approval from the School of Graduate Studies.
- For doctoral degrees, the examination committee will be constituted according to procedures in the home graduate unit and will include a member from that collaborating unit.

Biomedical Engineering: Doctoral Level

Admissions to this collaborative specialization have been administratively suspended.

Minimum Admission Requirements

- Applicants who wish to enrol in the collaborative specialization must apply to and be admitted to both the collaborative specialization and a graduate degree program in one of the collaborating graduate units.
- Applicants must be graduates in dentistry, engineering, engineering science, medicine, or one of the physical or biological sciences and must be accepted to the Collaborative Specialization in Biomedical Engineering through one of the collaborating graduate units (home graduate units) listed above.
- Before PhD students are accepted, the collaborative specialization committee must be satisfied with the applicant's ability to undertake advanced graduate studies.

Biomedical Engineering: Courses

Not all courses are offered every year. Students should contact the BME office for details.

BME1010H, BME1011H, BME1405H, BME1436H, BME1439H, BME1453H, BME1454H, BME1459H, BME1460H, BME1477H, BME1478H, BME1480H, BME4444Y, CHE1107H, CHE1141H, CHE1143H, CHE1310H, DEN1070H, DEN1081H, ECE1228H, ECE1352H, ECE1475H, ECE1502H, ECE1511H, ECE1521H, ECE1647H, JCB1349H, JEB1433H, JEB1444H, JEB1447H, JMB1050H, JNP1017H, JNP1018H, JNR1444Y, JNS1000Y, JPB1022H, JPB1055H, JTC1135H, JTC1331H, MIE1001H, MIE1052H, MIE1101H, MIE1201H, MSE1026H, PHM1109H, PSL1432H, PSL1452H, REH1100H

Completion Requirements

- A **qualifying examination** may be required by the collaborating unit.
- Students admitted to the collaborative specialization who are admitted to a PhD program in their home unit will be subject to the requirements of the collaborating unit. The plan of study for each PhD student registered in the Collaborative Specialization in Biomedical Engineering must be approved by the collaborating unit and the collaborative specialization committee; the plan of study will normally comprise **at least 1.0 full-course equivalent (FCE) and a thesis**.
 - Engineering and physical science students will be required to take a biological sciences course such as JPB1022H *Human Physiology as Related to Biomedical Engineering* (or an equivalent).
 - Biological science students will be expected to take a physical sciences course such as JPB1055H *Bioengineering for Life Scientists* (or an equivalent).
 - Students will be expected to take BME1477H *Biomedical Engineering Project Design and Execution* and pursue a thesis topic relevant to biomedical engineering.
- In addition to the 1.0 FCE, students are required to participate in **two seminar courses**: one of BME1010H or BME1011H *Graduate Seminar series*, and JDE1000H *Ethics in Research*.

Book History and Print Culture

Book History and Print Culture: Introduction

Lead Faculty of the Collaborative Specialization

Arts and Science

Participating Degree Programs

Art History — MA, PhD
Classics — MA, PhD
Comparative Literature — MA, PhD
East Asian Studies — MA, PhD
English — MA, PhD
French Language and Literature — MA, PhD
Germanic Languages and Literatures — MA
Germanic Literature, Culture and Theory — PhD
History — MA, PhD
History and Philosophy of Science and Technology — MA, PhD
Information — MI, PhD
Italian Studies — MA, PhD
Medieval Studies — MA, PhD
Museum Studies — MMSt
Music — MA, PhD
Near and Middle Eastern Civilizations — MA, PhD
Religion — MA, PhD
Slavic Languages and Literatures — MA, PhD
Spanish — MA, PhD

Overview

Histoire du livre, History of the Book, Textual Studies, Print Culture, Sociology of the Text: all these names have been used to describe a growing international academic movement. The graduate programs listed above, in conjunction with Massey College, sponsor an interdisciplinary study in Book History and Print Culture (BHPC) in which the rich physical and human resources of the University of Toronto are brought to bear on multiple aspects of the creation, transmission, and reception of the written word. BHPC brings together graduate students from a variety of disciplines based on their common research interest in the physical, cultural, and theoretical aspects of the book. As a collaborative specialization, it is designed to augment the learning and research potential of existing master's and doctoral programs by pooling the expertise of University of Toronto faculty members in this field from several disciplines.

Students register first for a master's or doctoral degree in their home graduate unit and then apply to the collaborative specialization. Upon successful completion of the degree requirements of the participating home graduate unit and the collaborative specialization, students will receive the notation "Completed Collaborative Specialization in Book History and Print Culture" on their transcript.

Contact and Address

Web: bhpctoronto.com
Email: bookhistory@masseycollege.ca
Telephone: (416) 978-2893

Yulia Ryzhik, Director
Collaborative Specialization in Book History and Print Culture
University of Toronto
Massey College, 4 Devonshire Place
Toronto, Ontario M5S 2E1 Canada

Book History and Print Culture: Master's Level

Minimum Admission Requirements

- Applicants who wish to enrol in the collaborative specialization must apply to and be admitted to both the collaborative specialization and one of the participating degree programs (home unit). Applicants to the collaborative specialization write to the director giving information about their background and relevant interests, identifying the degree and home unit for which they are applying, and outlining a proposed plan of study by April 10 for September admission. Applicants need not wait for a final decision from the home unit before applying to the collaborative specialization. Academic transcript(s) should be included in the application; unofficial transcripts are acceptable and may be sent either as scans attached to your email or as printouts from a student web service mailed to the BHPC office. Advice is available from the director and the collaborative specialization committee.
- Applications from the participating units have priority in admissions. If there is space in the collaborative specialization, students from other units may apply; they should consult the graduate coordinator in their home unit and the director of the BHPC specialization. Since course requirements vary from unit to unit, it is essential that there be close consultation between the collaborative specialization and the home unit at the time of the application.

Completion Requirements

Master of Arts in Art History;
Master of Arts in Classics;
Master of Arts in East Asian Studies (Thesis Option);
Master of Arts in English (Creative Writing Field);
Master of Arts in French Language and Literature;
Master of Arts in Germanic Languages and Literatures;
Master of Arts in History;
Master of Arts in History and Philosophy of Science and Technology;
Master of Arts in Medieval Studies (Thesis Option);
Master of Arts in Near and Middle Eastern Civilizations (One-Year and Two-Year Thesis Options);
Master of Arts in Religion;

Master of Information (Thesis Option); Master of Museum Studies

- Students must fulfil the degree requirements of the unit in which they are enrolled.
- BKS1001H *Introduction to Book History* and BKS1002H *Book History in Practice*, both of which should be taken in Year 1.
- The thesis or capstone project (MSL4000Y, for example) in the participating degree program will be on a topic related to book history and print culture, approved by the collaborative specialization committee.
- Collaborative specialization courses may be taken as electives for the purpose of satisfying home program requirements.

Master of Arts in Comparative Literature; Master of Arts in East Asian Studies (Coursework-Only Option); Master of Arts in English; Master of Arts in Italian Studies; Master of Arts in Medieval Studies (Coursework-Only Option); Master of Arts in Near and Middle Eastern Civilizations (One-Year Coursework-Only Option); Master of Arts in Slavic Languages and Literatures (One-Year Coursework-Only Option); Master of Arts in Spanish

- Students must fulfil the degree requirements of the unit in which they are enrolled.
- BKS1001H *Introduction to Book History* and BKS1002H *Book History in Practice*, both of which should be taken in Year 1.
- At least 0.5 FCE in additional elective courses related to book history and print culture.
- Collaborative specialization courses may be taken as electives for the purpose of satisfying home program requirements.

Master of Information (Coursework-Only Option)

- Students must fulfil the degree requirements of the unit in which they are enrolled.
- BKS1001H *Introduction to Book History* and BKS1002H *Book History in Practice*, both of which should be taken in Year 1.
- At least 1.5 FCEs in additional elective courses related to book history and print culture.
- Collaborative specialization courses may be taken as electives for the purpose of satisfying home program requirements.

Master of Arts in Music; Master of Arts in Near and Middle Eastern Civilizations (Two-Year Coursework Option)

- Students must fulfil the degree requirements of the unit in which they are enrolled.
- BKS1001H *Introduction to Book History* and BKS1002H *Book History in Practice*, both of which should be taken in Year 1.
- At least 1.0 FCE in additional elective courses related to book history and print culture.
- Collaborative specialization courses may be taken as electives for the purpose of satisfying home program requirements.

Elective courses will come from the BHPC roster of cross-listed courses, though students may substitute other courses with the director's approval. Students are encouraged to take courses outside their home graduate unit, if possible.

Book History and Print Culture: Doctoral Level

Minimum Admission Requirements

- Applicants who wish to enrol in the collaborative specialization must apply to and be admitted to both the collaborative specialization and one of the participating degree programs (home unit). Applicants to the collaborative specialization write to the director giving information about their background and relevant interests, identifying the degree and home unit for which they are applying, and outlining a proposed plan of study by April 10 for September admission. Applicants need not wait for a final decision from the home unit before applying to the collaborative specialization. Academic transcript(s) should be included in the application; unofficial transcripts are acceptable and may be sent either as scans attached to your email or as printouts from a student web service mailed to the BHPC office. Advice is available from the director and the collaborative specialization committee.
- Applications from the participating units have priority in admissions. If there is space in the collaborative specialization, students from other units may apply; they should consult the graduate coordinator in their home unit and the director of the BHPC specialization. Since course requirements vary from unit to unit, it is essential that there be close consultation between the collaborative specialization and the home unit at the time of the application.

Completion Requirements

- Students must fulfil the degree requirements of the unit in which they are enrolled.

- The plan of study must also be approved by the BHPC specialization committee. The plan of study includes BKS1001H *Introduction to Book History* (if that course has not been taken previously at the master's level), BKS2000H *Advanced Seminar in Book History and Print Culture*, and BKS2001H *Individual Practicum in Book History and Print Culture*. BKS1001H must be taken as a prerequisite or corequisite to BKS2000H and BKS2001H.
- The dissertation topic will be in the area of book history and print culture. The advisory committee will include at least one faculty member affiliated with BHPC, and students are encouraged, but not required, to seek representation on the committee from outside the home unit.
- The collaborative specialization may be completed on a flexible-time basis only by Faculty of Information students registered for the Information flexible-time PhD.

Book History and Print Culture: Courses

BKS1001H, BKS1002H, BKS2000H, BKS2001H

Get further details and listings of appropriate courses in various graduate units.

Cardiovascular Sciences

Cardiovascular Sciences: Introduction

Lead Faculty of the Collaborative Specialization

Medicine

Participating Degree Programs

Biomedical Engineering — MSc, PhD
Chemical Engineering and Applied Chemistry — MSc, PhD
Kinesiology — MSc, PhD
Laboratory Medicine and Pathobiology — MSc, PhD
Medical Biophysics — MSc, PhD
Medical Science — MSc, PhD
Pharmaceutical Sciences — MSc, PhD
Pharmacology — MSc, PhD
Physiology — MSc, PhD
Rehabilitation Science — MSc, PhD

Overview

The graduate programs listed above, together with the clinical departments of Anesthesia, Medicine, and Surgery, participate in the graduate Cardiovascular Sciences Collaborative Specialization at the University of Toronto. Units participating in the collaborative specialization contribute graduate courses and provide facilities and supervision for graduate research. Applicants must first be accepted by one of the participating graduate units and then complete a separate application to register in the collaborative specialization.

Students follow a plan of study acceptable to both the participating unit and the Cardiovascular Sciences specialization. Upon successful completion of the degree requirements of the participating home graduate unit and the collaborative specialization, students will receive the notation "Completed Collaborative Specialization in Cardiovascular Sciences" on their transcript.

Contact and Address

Web: www.cscp.utoronto.ca
Email: cv.program@utoronto.ca
Telephone: (416) 978-0746

Cardiovascular Sciences Collaborative Specialization
University of Toronto
Room 413, 4th Floor, 263 McCaul Street
Toronto, Ontario M5T 1W7
Canada

Cardiovascular Sciences: Master's Level

Minimum Admission Requirements

- Normally, an A– average in previous coursework (publications and research work may be considered for mature students).
- The student has already been accepted into a home graduate unit that participates in the Cardiovascular Sciences Collaborative Specialization.
- Acceptance by a supervisor who is a faculty member of the Cardiovascular Sciences Collaborative Specialization.
- Research area falls within the mandate of the Cardiovascular Sciences Collaborative Specialization.

Completion Requirements

- Students must meet the requirements of their home graduate unit in terms of coursework and thesis work.
- Write a thesis under the supervision of a faculty member of the collaborative specialization. The thesis topic will be in the area of cardiovascular sciences. An electronic copy of the accepted thesis in final form must be submitted to the Cardiovascular Sciences Collaborative Specialization.
- Complete 0.5 full-course equivalent (FCE) in an approved cardiovascular course listed under the approved Course List.
- Students must attend the annual Student Research Day each year they are in this collaborative specialization, and make one presentation during training. The presentation must demonstrate excellence in cardiovascular research.

Cardiovascular Sciences: Doctoral Level

Minimum Admission Requirements

- Normally, an A– average in previous coursework (publications and research work may be considered for mature students).
- The student has already been accepted into a home graduate unit that participates in the Cardiovascular Sciences Collaborative Specialization.
- Acceptance by a supervisor who is a faculty member of the Cardiovascular Sciences Collaborative Specialization.
- Research area falls within the mandate of the Cardiovascular Sciences Collaborative Specialization.

Completion Requirements

- Students must meet the requirements of their home graduate unit in terms of coursework and thesis work.
- Write a thesis under the supervision of a faculty member of the collaborative specialization. The thesis topic will be in the area of cardiovascular sciences. An electronic copy of the accepted thesis in final form must be submitted to the Cardiovascular Sciences Collaborative Specialization.
- Complete two half courses or 1.0 full-course equivalent (FCE) chosen from among the following seven courses: JCV1060H, JCV3060H, JCV3061H, JCV3062H, JCV3063H, JCV3064H, and JCV3065H.

- Students must attend the annual Student Research Day each year they are in this collaborative specialization, and make one presentation during training. The presentation must demonstrate excellence in cardiovascular research.

Cardiovascular Sciences: Courses

Cardiovascular sciences courses offered by the participating units are listed below. Not all courses are offered each year. For course details, consult the Cardiovascular Sciences website.

JCV1060H, JCV3060H, JCV3061H, JCV3062H, JCV3063H, JCV3063H, JCV3064H, JCV3065H, JTC1331H, KIN5508H, LMP1105H, PSL1462H

Community Development

Community Development: Introduction

Admissions have been administratively suspended. This collaborative specialization will close on August 31, 2027.

Lead Faculty of the Collaborative Specialization

Public Health

Participating Degree Programs

Adult Education and Community Development — MA, MEd
Counselling and Clinical Psychology (Clinical and Counselling Psychology field) — MA
Counselling Psychology — MEd
Geography — MA
Planning — MScPl
Public Health Sciences — MPH
Social Work — MSW

Overview

The Collaborative Specialization in Community Development provides students with a multidisciplinary graduate education in community development. Community development involves working with community members and groups to effect positive change in the social, economic, organizational, or physical structures of a community that improve both the welfare of community members and the community's ability to direct its future.

Students must first apply to and register in one of the participating master's degree programs listed above, and then apply to the collaborative specialization. Students must follow a course of study acceptable to both the home unit and the collaborative specialization. Upon successful completion of the degree requirements of the participating home graduate unit and the collaborative specialization, students will receive the notation "Completed Collaborative Specialization in Community Development" on their transcript.

Contact and Address

Web: www.dlsph.utoronto.ca/program/collaborative-specialization-in-community-development-cdcp
Email: blake.poland@utoronto.ca
Telephone: (416) 978-7542

Collaborative Specialization in Community Development
Dalla Lana School of Public Health
University of Toronto
155 College Street, 6th Floor
Toronto, Ontario M5T 3M7
Canada

Community Development: Master's Level

Admissions to this collaborative specialization have been administratively suspended.

Minimum Admission Requirements

- Collaborative specializations are administered under the auspices of the School of Graduate Studies.
- Applicants must be accepted for admission to a participating graduate unit and comply with the admission procedures of that unit before applying to the Collaborative Specialization in Community Development.
- Applicants must submit the following to the collaborative specialization committee:
 - A copy of the letter accepting you into one of the participating graduate units.
 - A resumé or curriculum vitae (CV).
 - A letter explaining how your plan of study, your specific interests, and your career goals relate to community development (i.e., why you want to enrol in the Collaborative Specialization in Community Development); maximum length: 500 words. Include reference to any relevant experience (volunteer, work, education, etc.).

Completion Requirements

- Students must register in the master's degree program through one of the participating home graduate units. They must meet all respective degree requirements of the School of Graduate Studies and their participating home graduate unit.
- To fulfil the requirements of the Collaborative Specialization in Community Development, students must complete the following:
 - The core course UCS1000H *Community Development*.
 - An additional 1.0 full-course equivalent (FCE) in the subject area of the collaborative specialization, to be approved by the collaborative specialization director, of which at least 0.5 FCE must be external to the student's home graduate unit.
 - Participation in a non-credit coordinating seminar on community development.
 - Where required by the home degree program, a thesis or a major research paper (as designated by the home degree program) on a topic related to community development; a member of the thesis committee or the reader of the major research paper must be a faculty member associated with the collaborative specialization. Or where required by the home degree program, a practicum placement with community development content as approved by the collaborative specialization director or core faculty member from that home degree program.
- Normally, the required courses listed below are taken as options within regular departmental or faculty degree requirements, not as additional courses.

Community Development: Courses

Core Course

UCS1000H

In addition to the core course UCS1000H, students must take an additional 1.0 FCE in the subject area of the collaborative specialization, to be approved by the collaborative specialization director. The following is a list of the currently approved courses; the list is reviewed annually and posted on the Community Development website.

Adult Education

LHA1102H, LHA1182H, LHA1190H, LHA1194H, LHA1196H, LHA5100H, LHA6100H

Counselling Psychology

APD1290H

Nursing

NUR1047Y

Planning

JPG1507H, JPG1512H, JPG1518H, JPG1615H, JPG1812Y

Public Health Sciences

CHL5126H, CHL7001H

Social Work

SWK4210H, SWK4304H, SWK4306H, SWK4422H, SWK4512H

Comparative, International and Development Education

Comparative, International and Development Education: Introduction

Lead Faculty of the Collaborative Specialization

Ontario Institute for Studies in Education (OISE)

Participating Degree Programs

Adult Education and Community Development — MA, MEd, PhD
Curriculum and Pedagogy — MA, MEd, PhD
Educational Leadership and Policy — MA, MEd, EdD, PhD
Higher Education — MA, MEd, EdD, PhD
Language and Literacies Education — MA, MEd, PhD (note: students in the Language Teaching field within the MEd program are not eligible to participate in this collaborative specialization)
Social Justice Education — MA, MEd, EdD, PhD

Overview

Comparative, International and Development Education (CIDE) is one of the world's largest, most diverse and dynamic graduate specializations in the field of comparative education. Research interests span an exciting range of theoretical and practical issues, from the study of ethnicity and identity to the issues of globalization and global governance, from non-formal learning and citizenship education to concrete problems of educational reform, social equality, language education, conflict resolution, and community development. These issues are approached from a range of theoretical and disciplinary frames including: economic, political, sociological, historical, and philosophical approaches taught alongside vibrant interpretations of feminist, critical, post-structuralist, and cultural theories.

The broad and diverse scope of the CIDE graduate specialization will appeal to both Canadian and international students interested in applying a comparative and international lens in their professional and scholarly work at home or abroad.

CIDE students can take courses in multiple fields within education, political science, feminist studies, sociology, and geography. The CIDE collaborative specialization is linked with events and programming at the Munk School of Global Affairs and Public Policy at the University of Toronto.

Upon successful completion of the degree requirements of the participating home graduate unit and the collaborative specialization, students receive the notation "Completed Collaborative Specialization in Comparative, International and Development Education" on their transcript and a completion certificate after graduation.

Contact and Address

Web: www.oise.utoronto.ca/cidec
Email: cidec.oise@utoronto.ca
Telephone: (416) 978-0892
Fax: (416) 926-4749

Collaborative Specialization in Comparative, International and Development Education
Comparative, International and Development Education Centre (CIDEC)
Ontario Institute for Studies in Education, University of Toronto
252 Bloor Street West, 7th Floor
Toronto, Ontario M5S 1V6
Canada

Comparative, International and Development Education: Master's Level

Minimum Admission Requirements

- Applicants who wish to enrol in the collaborative specialization must apply to and be admitted to both the collaborative specialization and a graduate degree program in one of the collaborating graduate units. Applicants should apply to the appropriate degree program in one (or more) of the collaborating graduate units that corresponds most closely to their general background and interests.
- Applicants to the CIDE collaborative specialization are normally expected to have had at least one year of international or cross-cultural experience (includes Indigenous nation settings).
- Applicants who have questions concerning their eligibility should contact the CIDE administrator.
- Prospective applicants should review the detailed information about the CIDE collaborative specialization.

Completion Requirements

- Individual student programs of study must meet the requirements of both the home graduate unit and the collaborative specialization. Normally, a careful selection of cross-listed courses will satisfy this requirement without any additional course load.
- Course requirements are as follows:
 - CIE1001H *Introduction to Comparative, International and Development Education*. CIE1001H must be taken in Year 1 of the full-time student's academic course load, or within the first four courses of the part-time and flexible-time student's academic work.
 - 0.5 core FCE CIDE graduate course.
 - 1.0 FCE (equivalent to two half courses) other core CIDE or elective graduate courses. CIDE elective courses must be taught by CIDE affiliated graduate faculty members.
- Regular participation in and attendance at the CIDE Seminar Series. Participation at a minimum of five seminars is required. Seminars may be attended in person or online.
- Students who write a thesis or major research paper as part of their program are also required to make at least one presentation to the CIDE community related to their research/development work.

- In master's programs requiring a major research paper or a thesis, the topic must relate to and demonstrate master's-level understanding of the research/theory base of CIDE. Participating CIDE faculty and the home graduate unit must be represented on the thesis committee.

Comparative, International and Development Education: Doctoral Level

Minimum Admission Requirements

- Applicants who wish to enrol in the collaborative specialization must apply to and be admitted to both the collaborative specialization and a graduate degree program in one of the collaborating graduate units. Applicants should apply to the appropriate degree program in one (or more) of the collaborating graduate units that corresponds most closely to their general background and interests.
- Applicants to the CIDE collaborative specialization are normally expected to have had at least one year of international or cross-cultural experience (includes Indigenous nation settings).
- Applicants who have questions concerning their eligibility should contact the CIDE administrator.
- Prospective applicants should review the detailed information about the CIDE collaborative specialization. They are strongly advised to contact one of the participating CIDE faculty members in their home graduate unit to discuss their research interests and goals.

Completion Requirements

- Individual student programs of study must meet the requirements of both the home graduate unit and the collaborative specialization. Normally, a careful selection of cross-listed courses will satisfy this requirement without any additional course load.
- Course requirements are as follows:
- 0.5 full-course equivalent (FCE) required introduction: CIE1001H *Introduction to Comparative, International and Development Education*, if not already taken, or equivalent if transferring from another university. CIE1001H must be taken in Year 1 of the full-time student's academic course load, or within the first four courses of the part-time and flexible-time student's academic work. Students who have completed CIE1001H at the master's level must select (in lieu, in addition to the requirements below) a 0.5 FCE course from the list of core courses, with approval from the CIDE Specialization Director at the time of course selection.
- 0.5 FCE core CIDE graduate (preferably doctoral-level) course.
- 1.0 FCE (equivalent to two half courses) additional core CIDE or elective graduate (preferably doctoral-level) courses. CIDE elective courses must be taught by CIDE affiliated graduate faculty members.
- Regular participation in and contribution to the CIDE Seminar Series (at least one major presentation to the seminar group related to the student's thesis research/development work in addition to regular participation). Participation at a minimum of five seminars is required. Seminars may be attended in person or online.

- Completion of a thesis that contributes to the research/theory base of CIDE. Participating CIDE faculty and the home graduate unit must be represented on the thesis committee.

Comparative, International and Development Education: Courses

Not all courses are offered each year. Visit the Comparative, International, and Development Education (CIDE) website for current course offerings, including special topics courses that do not appear in the list below.

In addition to the courses listed here, a defined list of special topics courses, taught by CIDE participating faculty members in any of the participating graduate departments, can be taken to meet core or elective graduate course requirements for CIDE.

Core Courses

Comparative Education

CIE1001H, CIE1002H, CIE1006H, CIE6000H

Curriculum, Teaching and Learning

Curriculum and Pedagogy Program

CTL1037H, CTL1060H, CTL1123H, CTL1312H, CTL1319H, CTL1330H

Language and Literacies Education Program

CTL3040H, CTL3811H

Leadership, Higher and Adult Education

Adult Education and Community Development Program

LHA1146H, LHA3064H, LHA3104H, LHA3182H

Educational Leadership and Policy Program

LHA1065H, LHA1066H, LHA1067H

Higher Education Program

LHA1806H, LHA1825H, LHA1826H, LHA1846H, LHA3810H

Social Justice Education

SJE1924H, SJE1927H, SJE1976H, SJE3911H

SJE1438H, SJE1447H, SJE1912H, SJE1921Y, SJE1922H,
SJE1925H, SJE1926H, SJE1951H, SJE2941H, SJE3905H,
SJE3910H, SJE3914H, SJE3915H, SJE3933H

Elective Courses

Curriculum, Teaching and Learning

Curriculum and Pedagogy Program

CTL1011H, CTL1031H, CTL1063H, CTL1218H, CTL1221H,
CTL1307H, CTL1318H, CTL1320H, CTL1321H, CTL1332H,
CTL1406H, CTL1430H

Language and Literacies Education Program

CTL3000H, CTL3008H, CTL3011H, CTL3015H, CTL3018H,
CTL3024H, CTL3025H, CTL3026H, CTL3031H, CTL3100H,
CTL3805H

Leadership, Higher and Adult Education

Adult Education and Community Development Program

LHA1102H, LHA1113H, LHA1115H, LHA1142H, LHA1145H,
LHA1147H, LHA1148H, LHA1180H, LHA1181H, LHA1184H,
LHA1190H, LHA1196H, LHA3103H

Educational Leadership and Policy Program

LHA1029H, LHA1041H, LHA1043H, LHA3040H, LHA3041H,
EDP3145H

Higher Education Program

LHA1814H

Social Justice Education

Contemporary East and Southeast Asian Studies

Contemporary East and Southeast Asian Studies: Introduction

Lead Faculty of the Collaborative Specialization

Arts and Science

Participating Degree Programs

Anthropology — MA
East Asian Studies — MA
Geography — MA
Global Affairs — MGA
History — MA
Management — MBA
Planning — MScPI
Political Science — MA
Public Policy — MPP
Social Work — MSW
Sociology — MA
Women and Gender Studies — MA

Overview

The Collaborative Master's Specialization in Contemporary East and Southeast Asian Studies (CESEAS) is designed to provide graduates with advanced training in a particular discipline and in the historical and social science studies of modern East and Southeast Asia. The major topics of emphasis are political economy, modern and contemporary social history, international relations, gender, political and social change, economic development, and cultural studies. The collaborative specialization contributes to the development of an integrated and interdisciplinary research community in Contemporary East and Southeast Asian Studies at the University.

The graduate programs listed above participate in the Collaborative Specialization in CESEAS at the University of Toronto. The collaborating units contribute courses and provide facilities and supervision for master's-level research. This specialization is administered by a committee chaired by a director.

Applicants are expected to meet the admission and degree requirements of both their home unit and the collaborative specialization in Contemporary East and Southeast Asian Studies. The specialization requirements can be met concurrently with, or in addition to, home unit requirements. Upon successful completion of the master's degree requirements of the participating home graduate unit and the collaborative specialization, students will receive the notation "Completed Collaborative Specialization in Contemporary East and Southeast Asian Studies" on their transcript.

Contact and Address

Web: munkschool.utoronto.ca/ai/collaborative-masters-specialization-contemporary-east-and-southeast-asian-studies
Email: ai.asianstudies@utoronto.ca
Telephone: (416) 946-8832
Fax: (416) 946-8838

Collaborative Master's Specialization in Contemporary East and Southeast Asian Studies
Asian Institute, Munk School of Global Affairs and Public Policy
University of Toronto
1 Devonshire Place, Room 228N
Toronto, Ontario M5S 3K7
Canada

Contemporary East and Southeast Asian Studies: Master's Level

Minimum Admission Requirements

- Applicants who wish to enrol in the collaborative specialization must apply to and be admitted to both the collaborative specialization and a graduate degree program in one of the collaborating graduate units.
- To be considered for admission to the collaborative specialization in Contemporary East and Southeast Asian Studies, applicants are expected to have completed coursework on Asia or have had relevant working or living experience in East or Southeast Asia.

Completion Requirements

- Students must satisfy the degree requirements of both the home graduate unit and the collaborative specialization. This can be done concurrently with, or in addition to, home unit requirements.
- Attend the year-long, interdisciplinary core seminar *ASI1000Y Issues in Contemporary East and Southeast Studies*. Topics vary from year to year.
- Complete 0.5 elective FCE on East or Southeast Asia, or in Asia-related courses within the home graduate unit or any other units (subject to approval from the collaborative specialization director).
- Complete a Major Research Paper (MRP), usually written in the context of a 0.5 FCE independent study course (for example, *ASI1001H Independent Research in Asia-Pacific Studies*). If an MRP is required in the home graduate unit (or discipline), it must address a topic on contemporary East and Southeast Asian Studies, and be based on original and in-depth research that goes beyond a normal seminar paper at the graduate level. The length is approximately 50 to 60 pages, although certain types of research might well be communicated in formats of shorter length. The MRP requirement can be met in the home graduate unit for an MRP, as long as the topic is related to Asia and is approved by the collaborative specialization director. If there is no such requirement in the home department, students should complete the MRP within the context of a 0.5 FCE reading course. In rare cases when a student undertakes a master's thesis in a home unit, the additional MRP will be waived.

Students must seek approval for topics and format from the collaborative specialization director.

- By the time of graduation from the master's degree program, every student is strongly encouraged to have a working knowledge of an East or Southeast Asian language as needed for his or her course of study.

Contemporary East and Southeast Asian Studies: Courses

Course List

ASI1001H, ASI1000Y, ASI4140H, ASI4200H, ASI4300H, ASI4600H, ASI4900H

Please consult the website for courses offered by participating graduate units.

Development Policy and Power

Development Policy and Power: Introduction

Lead Faculty of the Collaborative Specialization

University of Toronto Scarborough

Participating Degree Programs

Anthropology — MA, MSc
Environmental Science — MEnvSc
Geography — MA
Political Science — MA
Public Health Sciences — MPH (field in Social and Behavioural Health Sciences)
Social Justice Education — MA, MEd
Sociology — MA
Women and Gender Studies — MA

Supporting Unit

Department of Global Development Studies

Overview

The Collaborative Specialization in Development Policy and Power is designed to provide master's students with a critical and historicized understanding of the nature of some of the main policy debates within the field of international development. These include: power dynamics and their shifts over time within particular development policy domains at the global, national, and local levels of analysis; the role of the power struggles around development policy making in the processes of program design and implementation; and the ways in which these power struggles shape the institutionalization of policies that are (or are not) equitable and social justice oriented.

In addition to examining contestations around the development field's major historical and theoretical threads, students will be immersed in thematic discussions around development policy fields such as: trade, financialization, and (illicit) financial flows; food, agriculture, and land struggles; political ecology and extractivism; the politics of sustainability and environmental survival; inclusive social policies; health governance and health inequities; displacement, immigration, and citizenship; foreign aid and South-South cooperation; Indigenous resistance and popular mobilization against racism, patriarchy, and class oppression; political economy of knowledge production; commodity booms, poverty reduction, and the exercise of state power; neoliberal globalization and corporate power; and associated resistance and popular mobilization, writ large.

The graduate programs listed above participate in the Collaborative Specialization in Development Policy and Power at the University of Toronto. The collaborating graduate units contribute courses and provide facilities, support, and supervision for master's-level research and practicum placements.

Upon successful completion of the master's degree requirements of the participating home graduate unit and the collaborative specialization, students will receive the notation "Completed Collaborative Specialization in Development Policy and Power" on their transcript.

Contact and Address

Department of Global Development Studies:
www.utscc.utoronto.ca/dgds/
Development Policy and Power:
ccdsccsutoronto.wixsite.com/ccds
Email: gds-cs-ma@utscc.utoronto.ca
Telephone: (416) 287-7113

Collaborative Specialization in Development Policy and Power
Department of Global Development Studies
University of Toronto Scarborough
1265 Military Trail
Toronto, Ontario M1C 1A4
Canada

Development Policy and Power: Master's Level

Minimum Admission Requirements

Applicants must:

- Meet the admission requirements of both the home graduate unit and the collaborative specialization.
- Be enrolled in, or applying to, a participating master's degree program.
- Submit a copy of their CV/resumé.
- Submit a one-page essay describing why and how their interests coincide with the Collaborative Specialization in Development Policy and Power.

Optional Preparation

- The Department of Global Development Studies will provide students interested in the collaborative specialization with a Summer Reading list of key background readings. Students with no critical development studies exposure through their undergraduate studies, a placement or internship, or relevant work experience are strongly encouraged to review the material identified in the list. Students with a critical development background are encouraged to review texts to which they have not been exposed.

Completion Requirements

MA and MSc in Anthropology;

MA in Geography;

MA in Political Science (Fields: Political Economy of International Development; Political Science);

Master of Public Health (Field: Social and Behavioural Health Sciences);

Social Justice Education (MA; MEd Coursework Plus Major Research Paper Option; MEd Coursework Plus Thesis Option);

MA in Sociology (Research Paper Option);

MA in Women and Gender Studies

- Students must meet all the respective degree requirements of the School of Graduate Studies and the participating graduate unit.
- Students must meet the requirements of the collaborative specialization as follows:
 - IDS1000H *Development Policy and Power*: a core course meeting every other week throughout the academic year involving a mix of classes covering a substantive theme.
 - Participate regularly and actively in SRM3333H *Master's Seminar Series*.
 - The major research paper, thesis, or practicum placement in the participating degree program will be on a topic in critical development studies, approved by the collaborative specialization committee.
- Collaborative specialization courses may be taken as electives for the purpose of satisfying home program requirements.

MEd in Social Justice Education (Coursework Only Option)

- Students must meet all the respective degree requirements of the School of Graduate Studies and the participating graduate unit.
- Students must meet the requirements of the collaborative specialization as follows:
 - IDS1000H *Development Policy and Power*: a core course meeting every other week throughout the academic year involving a mix of classes covering a substantive theme.
 - Participate regularly and actively in the SRM3333H *Master's Seminar Series*.
 - 1.0 elective FCE related to development policy and power.
- Collaborative specialization courses may be taken as electives for the purpose of satisfying home program requirements.

MA in Sociology (Coursework Only Option)

- Students must meet all the respective degree requirements of the School of Graduate Studies and the participating graduate unit.
- Students must meet the requirements of the collaborative specialization as follows:
 - IDS1000H *Development Policy and Power*: a core course meeting every other week throughout the academic year involving a mix of classes covering a substantive theme.

- Participate regularly and actively in SRM3333H *Master's Seminar Series*.
- 0.5 elective FCE related to development policy and power.
- Collaborative specialization courses may be taken as electives for the purpose of satisfying home program requirements.

Master of Environmental Science (Research Paper Option)

- Students must meet all the respective degree requirements of the School of Graduate Studies and the participating graduate unit.
- Students must meet the requirements of the collaborative specialization as follows:
 - IDS1000H *Development Policy and Power*: a core course meeting every other week throughout the academic year involving a mix of classes covering a substantive theme. This course must be taken in addition to the 5.5 FCEs required for the MEnvSc program.
 - Participate regularly and actively in the SRM3333H *Master's Seminar Series*.
 - The major research paper in the participating degree program will be on a topic in critical development studies, approved by the collaborative specialization committee.
- Collaborative specialization courses may be taken as electives for the purpose of satisfying home program requirements.

Master of Environmental Science (Internship Option)

- Students must meet all the respective degree requirements of the School of Graduate Studies and the participating graduate unit.
- Students must meet the requirements of the collaborative specialization as follows:
 - IDS1000H *Development Policy and Power*: a core course meeting every other week throughout the academic year involving a mix of classes covering a substantive theme. This course must be taken in addition to the 5.5 FCEs required for the MEnvSc program.
 - Participate regularly and actively in the SRM3333H *Master's Seminar Series*.
 - 1.5 elective FCEs from the following: EES1122H *Global Environmental Security and Sustainable Development*, EES1134H *Climate Change Policy*, EES1135H *Environmental Change and Human Health*, EES3002H *Conservation Policy*.
- Collaborative specialization courses may be taken as electives for the purpose of satisfying home program requirements.

Development Policy and Power: Courses

Core Courses

IDS1000H, SRM3333H

Elective Courses by Graduate Unit

These courses may have prerequisites and enrolment limits and may not be offered every year. Students may take courses not listed here with approval of the collaboration specialization director.

Anthropology

ANT6019H, ANT7002H

Comparative, International and Development Education

CIE1001H, CIE1006H

Curriculum, Teaching and Learning

CTL1060H

Geography and Planning

GGR1807H, JPG1426H, JPG1429H, JPG1502H, JPG1520H, JPG1706H

Physical and Environmental Sciences

EES1122H, EES1134H, EES1135H, EES3002H

Political Science

POL2205H, POL2212H, POL2226H, POL2322H, POL2345H, POL2391H, POL2392H, POL2405H, POL2408H, POL2418H

Public Health Sciences

CHL5113H, CHL5702H, CHL8001H

Social Justice Education

SJE1909H, SJE1954H

Sociology

SOC6008H, SOC6009H, SOC6101H, SOC6119H, SOC6210H

Women and Gender Studies

WSG1010H, WSG1013H, WSG1014H, WSG1016H, WSG1017H, WSG1019H, WSG1020H

Developmental Biology

686 Bay Street, Room 16-9707
Toronto, Ontario M5G 0A4 Canada

Developmental Biology: Introduction

Lead Faculty of the Collaborative Specialization

Medicine

Participating Degree Programs

Biochemistry — MSc, PhD
Biomedical Engineering — MASc, PhD
Cell and Systems Biology — MSc, PhD
Immunology — MSc, PhD
Laboratory Medicine and Pathobiology — MSc, PhD
Medical Science — MSc, PhD
Molecular Genetics — MSc, PhD
Physiology — MSc, PhD

Overview

The graduate programs listed above participate in the Collaborative Specialization in Developmental Biology. The objectives of the specialization are to:

- promote and foster excellence in developmental biology research in Toronto;
- provide a means for master's and PhD graduate students working on developmental biology projects to be exposed to a broad range of issues and approaches in modern developmental biology;
- provide a single, comprehensive, advanced PhD-level graduate course to complement a number of introductory courses provided by different graduate units;
- provide a forum for interaction between investigators in developmental biology in different graduate units via participation in student seminars, supervisory committees, journal clubs, retreats, and seminars/symposia.

Upon successful completion of the degree requirements of the participating home graduate unit and the collaborative specialization, students will receive the notation "Completed Collaborative Specialization in Developmental Biology" on their transcript.

Contact and Address

Web: devbio.utoronto.ca
Email: ian.scott@sickkids.ca
Telephone: (416) 813-7654 ext. 301572

Dr. Ian Scott, Program Director
Collaborative Specialization in Developmental Biology
Department of Molecular Genetics, University of Toronto
Peter Gilgan Centre for Research and Learning

Developmental Biology: Master's Level

Minimum Admission Requirements

- Students who wish to enrol in the collaborative specialization must apply to and be admitted to both the collaborative specialization and a graduate degree program in one of the collaborating graduate units.

Completion Requirements

Students must:

- Be registered in the master's program of one of the participating graduate units and must be undertaking research in developmental biology under the supervision of a member of the collaborative specialization.
- Complete all degree program requirements of the participating graduate unit. In addition, they must complete the interdepartmental course JDB1024Y.
- Complete an MSc thesis in the topic area of developmental biology.

Developmental Biology: Doctoral Level

Minimum Admission Requirements

- Students who wish to enrol in the collaborative specialization must apply to and be admitted to both the collaborative specialization and a graduate degree program in one of the collaborating graduate units.
- Prospective students should contact the collaborative specialization director for additional details on admission procedures and course requirements.

Completion Requirements

Students must:

- Meet all respective degree requirements of the School of Graduate Studies, the home graduate unit, and the collaborative specialization.
- Be registered in the doctoral program of one of the host graduate units and must be undertaking research in developmental biology under the supervision of a member of the collaborative specialization.
- Complete all degree requirements of the participating graduate unit. In addition, they must complete the interdepartmental course JDB1025H and the seminar course JDB1026Y. These courses may be taken in place of some host graduate unit courses.
- Complete a PhD thesis in the topic area of developmental biology.

Developmental Biology: Courses

The following courses are offered every year: JDB1024Y, JDB1025H, JDB1026Y.

Diaspora and Transnational Studies

Diaspora and Transnational Studies: Introduction

Lead Faculty of the Collaborative Specialization

Arts and Science

Participating Degree Programs

Anthropology — MA, MSc, PhD
Art History — MA, PhD
Cinema Studies — MA
Comparative Literature — MA, PhD
Criminology and Sociolegal Studies — MA, PhD
Drama, Theatre and Performance Studies — MA, PhD
English — MA, PhD
Geography — MA, MSc, PhD
Germanic Languages and Literatures — MA
Germanic Literature, Culture and Theory — PhD
History — MA, PhD
Near and Middle Eastern Civilizations — MA, PhD
Political Science — MA, PhD
Religion — MA, PhD
Slavic Languages and Literatures — MA, PhD
Social Justice Education — MA, MEd, EdD, PhD
Sociology — MA, PhD
Spanish — MA, PhD
Women and Gender Studies — MA, PhD

Supporting Units

Anne Tanenbaum Centre for Jewish Studies;
Centre for Diaspora and Transnational Studies

Overview

Diaspora in contemporary thought involves the shifting relations between homelands and host nations from the perspective of those who have moved, whether voluntarily or not. Diaspora emphasizes the inescapable lived translocal experiences of many migrant communities that exceed the boundaries of the nation-state. Questions of nostalgia, of the dynamics of co-ethnic identification, of the politics of homeland and host nation, and of the inter-generational shifts in responses to all these are central to studies of diaspora.

Transnationalism, on the other hand, focuses on flows and counterflows and the multistrated connections to which they give rise. It encompasses in its ambit not just the movement of people but also concepts of citizenship and multinational governance,

the resources of information technology, and the realities of the global marketplace, among others.

Taken together, the two concepts of diaspora and transnationalism enable our understanding of the complex realities of vast movements of people, goods, ideas, images, technologies, and finance in the world today.

This collaborative specialization is designed to bring together both social science and humanities perspectives to augment our existing tri-campus undergraduate program and to contribute to increased research collaboration between participants in the collaborative specialization.

Upon successful completion of the degree requirements of the participating home graduate unit and the collaborative specialization, students will receive the notation "Completed Collaborative Specialization in Diaspora and Transnational Studies" on their transcript.

Contact and Address

Web: cdts.utoronto.ca
Email: cdts@utoronto.ca
Telephone: (416) 946 8464
Fax: (416) 978 7045

Diaspora and Transnational Studies Collaborative Specialization
University of Toronto
Suite 230, 170 St. George Street
Toronto, Ontario M5R 2M8
Canada

Diaspora and Transnational Studies: Master's Level

Minimum Admission Requirements

- Applicants are enrolled in a participating master's degree program in the graduate unit in which the research is conducted, which is known as the participating home graduate unit. The applicant must meet the admission requirements of both the home graduate unit and the collaborative specialization.

Completion Requirements

- Students must meet all respective degree requirements of the School of Graduate Studies and the participating unit.
- Students must meet the requirements of the collaborative specialization as follows:
 - 0.5 full-course equivalent (FCE) seminar in *Comparative Research Methods in Diaspora and Transnational Studies* (DTS). As part of the Research Methods seminar, students are required to submit an ethnographic, archival, or documentary paper on a diasporic community in Toronto or elsewhere.
 - 0.5 FCE DTS topics course (DTS2000H, DTS2001H, or DTS2002H); course themes to be decided each year by the collaborative specialization committee. The DTS collaborative components may be taken as electives for the purpose of satisfying home unit requirements.

- The DTS collaborative components may be taken as electives for the purpose of satisfying home unit requirements.
- If the student undertakes a major paper or thesis in their home unit, this will be on a topic in diaspora and transnational studies, approved by the collaborative specialization committee.

Diaspora and Transnational Studies: Doctoral Level

Minimum Admission Requirements

- Applicants shall be enrolled in a participating doctoral degree program in the graduate unit in which the research is conducted, which is known as the participating home graduate unit. The applicant shall meet the admission requirements of both the home graduate unit and the collaborative specialization.
- Students who complete the collaborative specialization at the master's level will not be eligible for the program at the doctoral level.

Completion Requirements

- Students must meet all respective degree requirements of the School of Graduate Studies and the participating unit.
- Students must meet the requirements of the collaborative specialization as follows:
 - 0.5 full-course equivalent (FCE) seminar in *Comparative Research Methods in Diaspora and Transnational Studies* (DTS). As part of the Research Methods seminar, students are required to submit an ethnographic, archival, or documentary paper on a diasporic community in Toronto or elsewhere.
 - 0.5 FCE DTS topics course (DTS2000H, DTS2001H, or DTS2002H); course themes to be decided each year by the collaborative specialization committee. The DTS collaborative components may be taken as electives for the purpose of satisfying home unit requirements.
 - The DTS collaborative components may be taken as electives for the purpose of satisfying home department requirements.
 - The student's dissertation in their home department must be on a topic in diaspora and transnational studies, approved by the collaborative specialization committee.

Diaspora and Transnational Studies: Courses

DTS1000H, DTS2000H, DTS2001H, DTS2002H, JCD5135H,
JCD5136H

Editing Ancient and Medieval Texts

Editing Ancient and Medieval Texts: Introduction

This collaborative specialization will close on August 31, 2026.

Lead Faculty of the Collaborative Specialization

Arts and Science

Participating Degree Programs

Classics — PhD
English — PhD
History — PhD
Italian Studies — PhD
Medieval Studies — PhD
Music — PhD
Philosophy — PhD
Religion — PhD
Spanish — PhD

Overview

The Collaborative Specialization in Editing Ancient and Medieval Texts offers intensive training in the editing of medieval Latin and vernacular texts, including music. Training in all areas is based on a sound knowledge of Latin, a facility in examining manuscript documents, and an understanding of the principles of editorial method.

Students can choose to focus on editing texts in Latin, texts in Old and Middle English, or texts in other vernacular languages. Students complete a series of courses that deal with the techniques of reading, transcribing, and editing manuscripts, and then complete an editorial project. Upon successful completion of the PhD requirements of the participating home graduate unit and the collaborative specialization, students will receive the notation "Completed Collaborative Specialization in Editing Ancient and Medieval Texts" on their transcript.

Contact and Address

Web: medieval.utoronto.ca
Email: medieval.studies@utoronto.ca

Telephone: (416) 978-4884
Fax: (416) 978-8294

Collaborative Specialization in Editing Ancient and Medieval Texts
Centre for Medieval Studies
University of Toronto
3rd Floor, 125 Queen's Park
Toronto, Ontario M5S 2C7
Canada

Editing Ancient and Medieval Texts: Doctoral Level

Minimum Admission Requirements

- The Collaborative Specialization in Editing Ancient and Medieval Texts is only available to doctoral students in one of the collaborating graduate units.
- Students who wish to be admitted to the collaborative specialization must have passed the Centre for Medieval Studies' Level One Latin examination.

Completion Requirements

- Students must complete a total of **1.0 full-course equivalent (FCE)** as follows:
 - The year-long core seminar MST1111H *Higher Seminar in Editing Ancient and Medieval Texts*
 - 0.5 FCE from a course in the relevant language and/or philology of the student's field, chosen with the approval of the home graduate unit and the collaborative specialization director.
- An approved editorial project, which can be a paper for a course in any of the collaborating graduate units, an independent publishable project, or the student's dissertation.
- The student's course of study and overall progress will be reviewed annually by the collaborative specialization director, though ultimate responsibility for the student's progress will remain with the graduate chair of the home program.

Editing Ancient and Medieval Texts: Courses

Course information may be obtained from the Centre of Medieval Studies' website.

Medieval Studies

MST1000Y, MST1101H, MST1104H, MST1105H, MST1107H, MST1110H, MST1111H, MST1115H, MST1384H, MST1392H

Education, Francophonies and Diversity

Education, Francophonies and Diversity: Introduction

This information is available in French.

Lead Faculty of the Collaborative Specialization

Ontario Institute for Studies in Education (OISE)

Participating Degree Programs

Curriculum and Pedagogy — MA, MEd, PhD
French Language and Literature — MA
Language and Literacies Education — MA, MEd, PhD (note:
students in the Language Teaching field within the MEd program
are not eligible to participate in this collaborative specialization)
Social Justice Education — MA, MEd, EdD, PhD

Overview

The Collaborative Specialization in Education, Francophonies and Diversity will critically examine educational issues in the context of Francophone linguistic minorities in Ontario, in Canada, and in the world, with the notions of equity, diversity, and minoritization at the core of this critical examination. The emphasis will be on understanding social practices in education, looking specifically at how difference gets constructed, problematized, and transformed.

Upon successful completion of the requirements of the home graduate unit and the collaborative specialization, students will receive the notation “Completed Collaborative Specialization in Education, Francophonies and Diversity” on their transcript.

Contact and Address

Web: oise.utoronto.ca/crefo
Email: crefo.oise@utoronto.ca
Telephone: (416) 978-1975

Collaborative Specialization in Education, Francophonies and Diversity
Centre de recherches en éducation franco-ontarienne (CREFO)
Ontario Institute for Studies in Education, University of Toronto
252 Bloor Street West, 6th Floor
Toronto, Ontario M5S 1V6 Canada

Education, Francophonies and Diversity: Master's Level

Minimum Admission Requirements

- Applicants must apply to and be accepted by both their home program and the Collaborative Specialization in Education, Francophonies and Diversity.
- In addition to corresponding to all home program requirements, applicants must submit:
 - a curriculum vitae
 - a personal statement explaining how their program of study and specific research interests relate to Francophone linguistic minorities education.

Completion Requirements

- Complete the core course CRE1001H *Séminaire d'études : Éducation, francophonies et diversité*.
- Complete two Education, Francophonies and Diversity elective courses (1.0 FCE).
- Attend at least three sessions in the CREFO Conference Series. Students who are enrolled in an MA or MEd program with a Major Research Project (MRP) component must present their research paper at the CREFO Conference Series (SRM3333H *Master's Seminar Series*).
- Prepare a thesis or major research paper (depending on the requirements of the home graduate unit) which relates to the focus of the collaborative specialization. Students will be supervised by one of the collaborative specialization's core faculty in their home graduate unit.

Education, Francophonies and Diversity: Doctoral Level

Minimum Admission Requirements

- Applicants must apply to and be accepted by both their home program and the Collaborative Specialization in Education, Francophonies and Diversity.
- In addition to corresponding to all home program requirements, applicants must submit:
 - a curriculum vitae
 - a personal statement explaining how their program of study and specific research interests relate to Francophone linguistic minorities education.

Completion Requirements

- Complete the core course CRE1001H *Séminaire d'études : Éducation, francophonies et diversité*.
- Complete two Education, Francophonies and Diversity elective courses (1.0 FCE).
- Attend at least three sessions in the CREFO Conference Series. Students must present their research paper at the CREFO Conference Series (SRM4444H *Doctoral Seminar Series*).

- Prepare a thesis which relates to the focus of the collaborative specialization. Students will be supervised by one of the collaborative specialization's core faculty in their home graduate unit.

Education, Francophonies and Diversity: Courses

Not all courses are offered every year. Please consult the respective graduate unit's course schedule for details.

Core Course

CRE1001H

Elective Courses

CTL1000H, CTL1011H, CTL1304H, CTL1306H, CTL1307H,
CTL3200H, CTL3201H, CTL3202H, CTL3203H, SJE1415H,
SJE1418H, SJE1900H, SJE1951H, JTE1952H

Educational Policy

Toronto, Ontario M5S 1V6
Canada

Educational Policy: Introduction

Effective September 1, 2023, admissions have been administratively suspended. This collaborative specialization will close on August 31, 2029.

Lead Faculty of the Collaborative Specialization

Ontario Institute for Studies in Education (OISE)

Participating Degree Programs

Adult Education and Community Development — MA, MEd, PhD
Curriculum and Pedagogy — MA, MEd, PhD
Developmental Psychology and Education — MA, MEd, PhD
Educational Leadership and Policy — MA, MEd, EdD, PhD
Higher Education — MA, MEd, EdD, PhD
Language and Literacies Education — MA, MEd, PhD
Social Justice Education — MA, MEd, EdD, PhD

Overview

The Collaborative Specialization in Educational Policy serves students interested in developing an understanding of the factors associated with educational policy development and implementation, with particular emphasis on developing theoretical and practical strategies for improving educational processes. The collaborative specialization's intellectual objectives include providing students with exposure to cross-field and cross-disciplinary approaches to educational problem framing and problem solving in order to broaden the possibilities for innovative and effective policy analysis; helping students understand how to apply theoretical concepts to particular social and educational problems in particular settings; and understanding the broader social, institutional, and policy contexts within which educational policy processes occur. There are two required courses and an annual lecture series.

Upon successful completion of the degree requirements of the participating home graduate unit and the collaborative specialization, students will receive the notation "Completed Collaborative Specialization in Educational Policy" on their transcript.

Contact and Address

Web: www.oise.utoronto.ca/lhae/collaborative-specializations/educational-policy

Collaborative Specialization in Educational Policy
Ontario Institute for Studies in Education
University of Toronto
252 Bloor Street West

Educational Policy: Master's Level

Admissions to this collaborative specialization have been administratively suspended.

Minimum Admission Requirements

- Applicants must apply to and be accepted by both their home program and the Collaborative Specialization in Educational Policy.
- In addition to corresponding to all home program requirements, the applicant shall submit a sample of writing, no longer than three pages, that includes:
 - Relevant personal and/or professional experiences, a career plan, and motivation in seeking admission to the Collaborative Specialization in Educational Policy.
 - An indication of specific courses of interest.
 - For thesis students, a brief outline of a proposed research project.
 - For thesis students, indication of preference of supervisor.
- Applicants who are interested in applying to the collaborative specialization at the time of their initial application to their home graduate program should indicate this on their application and advise referees that letters of support will be used in application for both the home program and the collaborative specialization.
- Students who develop an interest in admission to the collaborative specialization after they have been admitted to their home program may also apply during their course of study. Please direct inquiries to the address listed above.

Completion Requirements

- All master's students in the collaborative specialization:
 - Take the core half course EDP3045H *Educational Policy Analysis*.
 - Attend the Collaborative Specialization in Educational Policy Seminar Series over two consecutive sessions. Collaborative Educational Policy Seminars occur once a month; attendance is required.
 - Are encouraged, but not required, to enrol in an elective half course in the area of educational policy selected from the list of electives below.
 - Take the remaining courses for the fulfillment of the degree requirements of the home program.
 - Enrolled in home programs requiring a master's research project or thesis will be required to incorporate educational policy issues in their research; a member of the collaborative specialization core faculty will serve as supervisor or committee member.
- MEd program:
 - The total number of courses required for graduation will equal 6, 8, or 10.
 - Course-only MEd students must take two electives from the list below.
- MA program:
 - The total number of courses required for graduation will equal 6 or 8.

Educational Policy: Doctoral Level

Admissions to this collaborative specialization have been administratively suspended.

Minimum Admission Requirements

- Students interested in participating in the Collaborative Specialization in Educational Policy at the doctoral level must apply to and be accepted by both their home program and the collaborative specialization.
- In addition to corresponding to all home program requirements, the application shall include a sample of writing, no longer than three pages, that includes:
 - Relevant personal and/or professional experiences, a career plan, and motivation in seeking admission to the Collaborative Specialization in Educational Policy.
 - An indication of specific courses of interest.
 - A brief outline of proposed research project.
 - Indication of preference of supervisor.
- Applicants who are interested in applying to the collaborative specialization at the time of their initial application to their home graduate program should indicate this on their application and advise referees that letters of support will be used in application for both the home program and the collaborative specialization.
- Students who develop an interest in admission to the collaborative specialization after they have been admitted to their home program may also apply during their course of study. Please direct inquiries to the address listed above.

Completion Requirements

- All doctoral students in the collaborative specialization:
 - Take the core half course EDP3045H *Educational Policy Analysis*, if not already taken.
 - Take the core half course EDP3145H *Methodological Approaches for Researching Education Policy (RM)*.
 - Attend the Collaborative Specialization in Educational Policy Seminar Series over two consecutive sessions. Collaborative Educational Policy Seminars occur once a month; attendance is required.
 - Are encouraged, but not required, to consider one or more elective half courses in the area of educational policy selected from the list of electives below. The remaining half courses will be those required for the fulfillment of the degree requirements of the home program.
 - Are required to complete a thesis which incorporates issues of educational policy. A member of the collaborative specialization core faculty will serve as supervisor or committee member.
- The total number of courses required for graduation for both the EdD and PhD will equal eight, depending on the requirements of the student's home program.

Educational Policy: Courses

Not all electives are offered each year.

Master's-Level Core Course

EDP3045H

Master's-Level Electives

APD1211H, APD1241H, CTL1428H, CTL1429H, CTL7074H, LHA1016H, LHA1018H, LHA1020H, LHA1035H, LHA1065H, LHA1806H, LHA5000H*, LHA5004H, LHA5006H, LHA5800H*, LHA5801H*, LHA5807H, SJE1903H, SJE1912H, SJE1922H, SJE1951H, SJE1954H, SJE5000H*, SJE5005H

* **Special topics courses:** Only the special topics course titles listed on the CSEP website can be counted toward CSEP program requirements in the current year. Please confirm current year courses with the CSEP program administrator.

Doctoral-Level Core Courses

EDP3045H, EDP3145H

Doctoral-Level Electives

CTL3000H, CTL3008H, CTL3018H, JOI3048H, JSA5147H, LHA3041H, LHA3043H, LHA3064H, LHA6000H*, LHA6002H, LHA6005H, SJE2941H, SJE6000H*

* **Special topics courses:** Only the special topics course titles listed on the CSEP website can be counted toward CSEP program requirements in the current year. Please confirm current year courses with the CSEP program administrator.

Engineering Education

Engineering Education: Introduction

Lead Faculty of the Collaborative Specialization

Applied Science and Engineering

Participating Degree Programs

Chemical Engineering and Applied Chemistry — MSc, PhD
Civil Engineering — MSc, PhD
Curriculum and Pedagogy — MA, PhD
Higher Education — MA, MEd, PhD
Mechanical and Industrial Engineering — MSc, PhD

Overview

The Collaborative Specialization in Engineering Education is an interdisciplinary initiative designed for students within home programs in engineering or education who are interested in pursuing courses and research in engineering education. This collaborative specialization allows students to join a small community of scholars interested in research and learning at the nexus of education and engineering practice. A core course provides students with an introduction to engineering learning, knowledge, assessment, and culture and community, while the theoretical foundations, methods, and topics related to engineering education research are explored in a seminar course.

Research is supervised by a graduate faculty member in the student's home graduate unit. Opportunities exist to assess and apply research findings as part of instructional initiatives within the Faculty of Applied Science and Engineering. Upon successful completion of the degree requirements of the participating home graduate unit and the collaborative specialization, students will receive the notation "Completed Collaborative Specialization in Engineering Education" on their transcript.

Contact and Address

Web: istep.utoronto.ca/graduate/engineering-education-program
Email: istep@utoronto.ca
Telephone: (416) 978-2821

Collaborative Specialization in Engineering Education
Institute for Studies in Transdisciplinary Engineering Education & Practice (ISTEP)
55 College Street, Room 723
Toronto, Ontario M5S 0C9
Canada

Engineering Education: Master's Level

Minimum Admission Requirements

- Applicants must be admitted to a participating graduate unit and comply with the admission procedures of that unit before applying to the Collaborative Specialization in Engineering Education. Applicants to the collaborative specialization must submit the following to the **Engineering Education administrator**:
 - a completed **registration form**
 - curriculum vitae (CV)
 - personal statement explaining how the proposed plan of study and specific research interests relate to engineering education
 - letter of recommendation from a faculty member confirming their willingness to supervise and support the student's research and outlining why the student would be well suited for the Engineering Education Collaborative Specialization.

Completion Requirements

Students must meet all respective degree requirements of the School of Graduate Studies, the participating home graduate unit, and the collaborative specialization. Collaborative specialization students must:

- Successfully complete a total of 0.5 full-course equivalent (FCE) as follows:
 - the core course TEP1204H *Instructional Design in Engineering Education*.
- Participate continuously in a seminar series TEP1205Y *Engineering Education Research Seminar*.
- Undertake the major paper or thesis required by the home degree program with a focus on engineering education under the supervision of a collaborative specialization core faculty member.

Engineering Education: Doctoral Level

Minimum Admission Requirements

- Applicants must be admitted to a participating graduate unit and comply with the admission procedures of that unit before applying to the Collaborative Specialization in Engineering Education. Applicants to the collaborative specialization must submit the following to the **Engineering Education administrator**:
 - a completed **registration form**
 - curriculum vitae (CV)
 - personal statement explaining how the plan of study and specific research interests relate to engineering education
 - letter of recommendation from a faculty member confirming their willingness to supervise and support the student's research and outlining why the student would be well suited for the Engineering Education Collaborative Specialization.

Completion Requirements

Students must meet all respective degree requirements of the School of Graduate Studies, the participating home graduate unit, and the collaborative specialization. Collaborative specialization students must:

- Successfully complete a total of **1.0 full-course equivalent (FCE)** as follows:
 - the core course TEP1204H *Instructional Design in Engineering Education*
 - an elective course in engineering education (0.5 FCE); see the elective course list.
- Participate continuously in a seminar series TEP1206Y *Engineering Education Research Seminar — Doctoral Level* beginning in Year 1; deliver a seminar on the research topic in Year 2; design and deliver one or more instructional workshops and make a final presentation on their research, both in the final year.
- Complete the thesis required by the home degree program with a focus on engineering education under the supervision of a collaborative specialization core faculty member.
- If a student has completed the core course TEP1204H at the master's level, the student will complete an alternate course at the doctoral level from the elective list and with the approval of the collaborative specialization director.

Engineering Education: Courses

Core Courses

TEP1204H, TEP1205Y, TEP1206Y

Elective Courses (PhD Level Only)

Department of Curriculum, Teaching and Learning

CTL1018H, CTL1041H, CTL1042H, CTL1047H, CTL1206H, CTL1207H, CTL1211H, CTL1215H, CTL1218H, CTL1306H, CTL1603H, CTL1608H

Faculty of Applied Science and Engineering

APS520H1, APS530H1, APS1001H, APS1012H, APS1013H, APS1018H, JEI1901H, MIE1402H, MIE1403H, MIE1413H, MIE1415H, TEP1010H, TEP1011H, TEP1440H, TEP1501H, TEP1502H

Environment and Health

Environment and Health: Introduction

Lead Faculty of the Collaborative Specialization

Arts and Science

Participating Degree Programs

Adult Education and Community Development — MA, MEd, PhD
Architecture, Landscape, and Design — PhD
Chemical Engineering and Applied Chemistry — MASc, MEng, PhD
Community Health — MScCH
Environmental Science — MEnvSc, PhD
Forest Conservation — MFC
Forestry — MScF, PhD
Geography — MA, MSc, PhD
Landscape Architecture — MLA
Medical Science — MSc, PhD
Music — MA, MMus, PhD
Planning — MScPl, PhD
Public Health Sciences — MPH, PhD
Women and Gender Studies — MA, PhD

Overview

The graduate degree programs listed above participate in the Collaborative Specialization in Environment and Health (CSEH), which is offered through the School of the Environment. Graduate students admitted to a participating graduate degree program in a degree-granting unit, also called the home department or home unit, can apply to the CSEH and pursue coursework and research in areas related to environment and health. The School of the Environment currently has graduate students from across the disciplinary spectrum.

The study of environment and health recognizes that human health is fundamentally dependent on a healthy environment. With a focus on understanding the human health implications of chemical, biological, and physical hazards in our environment, it encompasses topics such as the health impacts of air and water quality, climate change, contaminated lands and urban design, and the need for interdisciplinary approaches to address them. The CSEH exposes students in the health sciences to broader environmental perspectives on related health issues, while students in environmental studies and sciences can have the opportunity to gain insight into the health implications of environmental quality. This specialization may also be of interest to students who are concerned with ethical, pedagogical, and policy approaches to understanding and addressing environment and health issues.

Upon successful completion of the degree requirements of the participating home department and the CSEH, students will receive the notation “Completed Collaborative Specialization in Environment and Health” on their transcript.

Contact and Address

Web: environment.utoronto.ca/graduate
Email: grad.director.env@utoronto.ca or
grad.office.env@utoronto.ca
Telephone: (416) 978-5174

Collaborative Specialization in Environment and Health
School of the Environment, Earth Sciences Centre
University of Toronto
Room 1016V, 33 Willcocks Street
Toronto, Ontario M5S 3E8
Canada

Environment and Health: Master's Level

Minimum Admission Requirements

- Students who wish to enrol in the CSEH offered by the School of the Environment must first apply to and be accepted into a master's program in a degree-granting unit, also called a home department or home unit. Information about applying to a home unit can be found on the School of Graduate Studies website as well as on the respective websites of participating degree-granting units.
- Prospective students who are planning to enrol in the CSEH are strongly encouraged to submit the Collaborative Specialization enrolment form (PDF) after receiving their letter of acceptance or at the start of their program of study. Students are able to join the CSEH beyond the start of their degree, provided they are able to complete the CSEH requirements by the time they are ready to graduate from their degree program.

Completion Requirements

- The requirements listed below must be completed in combination with that expected for the master's degree program requirements of the home department. These are normally counted as electives toward the degree program requirements of the student's home unit. Typically, students complete a minimum of 1.0 full-course equivalent (FCE) and conduct research on an environment and health related topic. Note that specific requirements for participating degree programs can vary. The CSEH requirements for each participating degree program are listed below as well as on the School of the Environment's website under the Collaborative Specialization in Environment and Health.
- Master's students who are enrolled in a coursework-based degree must complete 30% of their program requirements within their collaborative specialization.

Master's Degree Thesis or Major Research Paper Option

Master of Applied Science in Chemical Engineering and Applied Chemistry;
Master of Arts in Adult Education and Community Development;
Master of Arts in Women and Gender Studies;

Master of Arts in Geography;
Master of Science in Forestry;
Master of Science in Geography;
Master of Science in Medical Science

- ENV4001H *Graduate Seminars in Environment and Health*.
- 0.5 elective FCE from the School of the Environment's list of approved electives below.
 - Geography MA and MSc students are strongly encouraged to complete a cross-listed elective course such as GGR1422H, JGE1425H, or JPG1428H.
 - Courses (including special topics) that have an environment and health focus but are not included in the School's approved list can be counted as an elective, pending approval from the Graduate Associate Director.
- Complete a thesis or major research paper in their home unit on an environment and health topic. A copy of the final thesis or research paper must be submitted to the School of the Environment prior to convocation.

Master of Arts in Music, Field in Ethnomusicology

- ENV4001H *Graduate Seminars in Environment and Health*.
- 0.5 elective FCE from the School of the Environment's list of approved electives below. Courses (including special topics) that have an environment and health focus but are not included in the School's approved list can be counted as an elective, pending approval from the Graduate Associate Director.
- For students who complete MUS1002H *Fieldwork Methods and Practicum*, the practicum should have an environment and health focus. A completion letter must be submitted to the School of the Environment prior to convocation.

Master of Arts in Music, Field in Music Education

- ENV4001H *Graduate Seminars in Environment and Health*.
- 0.5 elective FCE from the School of the Environment's list of approved electives below. Courses (including special topics) that have an environment and health focus but are not included in the School's approved list can be counted as an elective, pending approval from the Graduate Associate Director.
- For students who complete MUS2990Y *MA Major Essay*, the paper should include an environment and health component. A final copy of the paper must be submitted to the School of the Environment prior to convocation.

Master of Arts in Music, Field in Music and Health Sciences

- ENV4001H *Graduate Seminars in Environment and Health*.
- 0.5 elective FCE from the School of the Environment's list of approved electives below. Courses (including special topics) that have an environment and health focus but are not included in the School's approved list can be counted as an elective, pending approval from the Graduate Associate Director.
- For students who complete MUS7407H *Clinical Research Practicum*, the practicum should have an environment and health focus. A completion letter must be submitted to the School of the Environment prior to convocation.

Master of Music in Applied Music and Health

- ENV4001H *Graduate Seminars in Environment and Health*.
- 0.5 elective FCE from the School of the Environment's list of approved electives below. Courses (including special topics) that have an environment and health focus but are not included in the School's approved list can be counted as an elective, pending approval from the Graduate Associate Director.
- 1.5 FCEs completed through MUS7407H *Clinical Research Practicum* and MUS4112Y *Clinical Performance Practicum*, provided there is an environment and health related component to each course.

Master's Degree Coursework Option

Master of Arts in Music, Field in Musicology

- ENV4001H *Graduate Seminars in Environment and Health*.
- 0.5 elective FCE from the School of the Environment's list of approved electives below. Courses (including special topics) that have an environment and health focus but are not included in the School's approved list can be counted as an elective, pending approval from the Graduate Associate Director.
- Additional 0.5 FCE completed through either a second approved elective, an individual reading and research course, or ENV5555Y *Research Paper*.

Master of Arts in Music, Field in Music Theory

- ENV4001H *Graduate Seminars in Environment and Health*.
- 0.5 elective FCE from the School of the Environment's list of approved electives below. Courses (including special topics) that have an environment and health focus but are not included in the School's approved list can be counted as an elective, pending approval from the Graduate Associate Director.
- Additional 0.5 FCE completed through either a second approved elective, an individual reading and research course, or ENV5555Y *Research Paper*.

Master of Education in Adult Education and Community Development;
Master of Engineering in Chemical Engineering and Applied Chemistry

- ENV4001H *Graduate Seminars in Environment and Health*.
- 1.0 elective FCE from the School of the Environment's list of approved electives below. Courses (including special topics) that have an environment and health focus but are not included in the School's approved list can be counted as an elective, pending approval from the Graduate Associate Director.

Master of Environmental Science

- ENV4001H *Graduate Seminars in Environment and Health*.
- 0.5 elective FCE from the School of the Environment's list of approved electives below. Courses (including special topics)

that have an environment focus but are not included in the School's approved list can be counted as an elective, pending approval from the Graduate Associate Director.

- Either EES1116Y *Internship* or EES1101Y *Research Paper in Environmental Science*, provided there is an environment and health focus. Students completing a research paper must submit a final copy to the School of the Environment prior to convocation. Students completing an internship must submit a letter of completion to the School of the Environment prior to convocation.

Master of Forest Conservation

- ENV4001H *Graduate Seminars in Environment and Health*.
- 0.5 elective FCE from the School of the Environment's list of approved electives below. Courses (including special topics) that have an environment focus but are not included in the School's approved list can be counted as an elective, pending approval from the Graduate Associate Director.
- FOR3007H *Internship in Forest Conservation*, provided there is an environment and health theme or component. A copy of the internship completion letter must be submitted to the School prior to convocation.
- FOR3008H *Case Study Capstone in Forest Conservation*, provided there is an environment and health theme or component. A copy of the final research paper must be submitted to the School of the Environment prior to convocation.

Master of Landscape Architecture and Design

3-Year Option

- ENV4001H *Graduate Seminars in Environment and Health*.
- 0.5 elective FCE from the School of the Environment's list of approved electives below. Courses (including special topics) that have an environment focus but are not included in the School's approved list can be counted as an elective, pending approval from the Graduate Associate Director.
- Up to 4.0 FCEs from the following courses may count towards the remaining CSEH requirements: LAN1011Y, LAN1021Y, LAN2013Y, LAN1037H, LAN1038H, LAN1041H, LAN1043H, LAN1047H, LAN1048H, LAN2045H, LAN2046H, LAN2047H, LAN2048H, LAN3016Y, and LAN3017Y, provided there is an environmental component. Students completing the research paper must submit a final copy to the School of the Environment prior to convocation.

2-Year Option

- ENV4001H *Graduate Seminars in Environment and Health*.
- 0.5 elective FCE from the School of the Environment's list of approved electives below. Courses (including special topics) that have an environment focus but are not included in the School's approved list can be counted as an elective, pending approval from the Graduate Associate Director.
- Up to 2.0 FCEs from the following courses may count towards the remaining CSEH requirements: LAN2013Y, LAN2045H, LAN2046H, LAN2047H, LAN2048H, LAN3016Y, and LAN3017Y, provided there is an environment and health component. Students completing the research paper must submit a final copy to the School of the Environment prior to convocation.

Master of Public Health

- ENV4001H *Graduate Seminars in Environment and Health*.
- 0.5 elective FCE from the School of the Environment's list of approved electives below. Courses (including special topics) that have an environment focus but are not included in the School's approved list can be counted as an elective, pending approval from the Graduate Associate Director.
- A minimum 1.0 FCE practicum placement with the home unit, provided there is an environment and health component.
- An additional 0.5 to 1.0 FCE, depending on the practicum length, can be completed through electives from the CSEH course list.

Master of Science in Community Health

- ENV4001H *Graduate Seminars in Environment and Health*.
- 0.5 elective FCE from the School of the Environment's list of approved electives below. Courses (including special topics) that have an environment focus but are not included in the School's approved list can be counted as an elective, pending approval from the Graduate Associate Director.
- 0.5 FCE practicum placement with the home unit, provided there is an environment and health component.

Master of Science in Planning

- ENV4001H *Graduate Seminars in Environment and Health*.
- 0.5 elective FCE from the School of the Environment's list of approved electives below. Courses (including special topics) that have an environment focus but are not included in the School's approved list can be counted as an elective, pending approval from the Graduate Associate Director.
- Additional 1.5 FCEs which can be completed through a combination of PLA4444H *Internship* and/or PLA1107Y *Current Issues Paper*, provided there is an environment and health component, or additional electives from the CSEH course list.

Environment and Health: Doctoral Level

Minimum Admission Requirements

- Students who wish to enrol in the CSEH offered by the School of the Environment must first apply to and be accepted into a doctoral program in a degree-granting unit, also called a home department or home unit. Information about applying to a home department can be found on the School of Graduate Studies website as well as on the respective websites of participating degree-granting units.
- Prospective students who are planning to enrol in the CSEH are strongly encouraged to submit the Collaborative Specialization Enrolment Form (PDF) after receiving their letter of acceptance or at the start of their program of study. Students are able to join the CSEH beyond the start of their degree, provided they are able to complete the CSEH requirements by the time they are ready to graduate from their degree program.

Completion Requirements

- The requirements listed below must be completed in combination with the PhD degree program requirements of the student's respective home department. These are normally counted as electives toward the degree program requirements of the student's home department. Typically, students complete up to 1.0 full-course equivalent (FCE) and conduct research on an environment and health topic. Note that specific requirements for participating degree programs can vary. Therefore, students are encouraged to check the calendar entries of their respective home department programs. Specific CSEH requirements for each participating degree program are listed on the School of the Environment website under the Collaborative Specialization in Environment and Health.
- Complete the mandatory core course ENV4001H *Graduate Seminars in Environment and Health*, unless already completed at the master's level.
- Complete one elective course (0.5 FCE) from the School's list of approved courses. Courses (including special topics) that have an environment focus but are not included in the School's approved list can be counted as an elective, pending approval from the Graduate Associate Director.
- Give an oral presentation of their doctoral research as part of the School of the Environment's Research Day, which is held once per year in the spring.
- Complete a thesis on a theme in environment and health. Normally, the thesis committee will include a supervisor from the student's home department who holds a graduate faculty membership (GFM) in the School of the Environment. If the student's primary thesis supervisor does not hold a GFM in the School of the Environment, the School's Director will either initiate the process of assigning a GFM to the primary supervisor or review the composition of the thesis committee to ensure it has appropriate expertise. A copy of the final thesis must be submitted to the School of the Environment prior to graduation.
- Additional courses may be required by the home department and/or by the supervisor or supervisory committee, depending on academic and/or career goals of the student, as well as departmental regulations.
 - For programs with limited elective space, such as the PhD in Geography, students are strongly encouraged to select a cross-listed elective course.

Environment and Health: Courses

The School of the Environment offers individual credit courses that are open to graduate students from all units of the University, subject to enrolment limits. Except for the core course, ENV4001H, not all courses are offered every year.

Graduate students enrolled in the CSES may also request to count non-listed electives towards their collaborative specialization pending approval from the School's Graduate Associate Director. (Non-listed electives are those not on 1) the pre-approved list of School of the Environment courses or 2) those that are formally cross-listed with other graduate units.) For a current graduate course listing, please refer to the School of the Environment website.

Core Course

ENV4001H

Elective Courses

ENV1703H, ENV1704H, ENV3000H, ENV3000Y

Other Elective Courses

Adult Education and Community Development (Department of Leadership, Higher and Adult Education)

LHA1197H

Chemical Engineering and Applied Chemistry

CHE1435H, JNC2503H

Chemistry

CHM1401H, CHM1410H, CHM1415H, CHM1420H, CHM1425H

Environmental Science (Department of Physical and Environmental Sciences)

EES1139H, EES1704H

Forestry

FOR1575H

Geography and Planning

GGR1422H, JGE1425H, JPG1428H

Landscape Architecture (Department of Architecture, Landscape, and Design)

LAN1037H, LAN1041H, LAN2045H, LAN2047H, LAN3045H

Pharmacology (Department of Pharmacology and Toxicology)

JNP1016H, JNP1019H, JNP1020H

Public Health Sciences

CHL5126H, CHL5413H, CHL5416H, CHL5809H, CHL5903H, CHL5910H, CHL5911H, CHL5921H

Environmental Studies

Environmental Studies: Introduction

Lead Faculty of the Collaborative Specialization

Arts and Science

Participating Degree Programs

Adult Education and Community Development — MA, MEd, PhD
Anthropology — MA, MSc, PhD
Architecture, Landscape, and Design — PhD
Chemical Engineering and Applied Chemistry — MSc, MEng, PhD
Chemistry — MSc, PhD
Civil Engineering — MSc, MEng, MEngCEM, PhD
Computer Science — MSc, PhD
Earth Sciences — MSc, MSc, PhD
English — MA, PhD
Ecology and Evolutionary Biology — PhD
Environmental Science — MEnvSc, PhD
Forest Conservation — MFC
Forestry — MScF, PhD
Geography — MA, MSc, PhD
Global Affairs — MGA
Information — MI, PhD
Landscape Architecture — MLA
Management — MBA, PhD
Music — MA, PhD
Physics — MSc, PhD
Planning — MScPl, PhD
Political Science — MA, PhD
Public Policy — MPP
Religion — MA, PhD
Social Justice Education — MA, MEd, EdD, PhD
Sociology — MA, PhD
Sustainability Management — MScSM
Women and Gender Studies — MA, PhD

Overview

The School of the Environment's Collaborative Specialization in Environmental Studies (CSES) provides graduate students from across all three University of Toronto campuses the opportunity to expand the focus of their research and study to reflect an interdisciplinary approach to thinking about the environment. Students admitted to a graduate degree program in a participating degree-granting unit (listed above), also called the "home department" or "home unit," can apply to the CSES and pursue coursework and research on topics related to the environment. The CSES is intended to provide a unique opportunity for interdisciplinary dialogue and learning about complex environmental challenges. These challenges demand a serious commitment to enhancing awareness and imagining possibilities that can serve to construct more sustainable and just futures.

The main objectives of the CSES are to:

- Introduce students to the world of graduate-level interdisciplinary research in environmental studies;
- Enhance student learning in the home unit, by providing opportunities to interact with students and faculty from other units who are also interested in environment;
- Develop students' communication skills on environmental issues across disciplinary boundaries.

The introductory nature of some of these learning outcomes is often surpassed. Students admitted to a graduate degree program in a participating degree-granting unit (listed above) can apply to the CSES and pursue coursework and research on topics related to the environment. The purpose is to complement the discipline-based learning and research focus of their home units by providing students an interdisciplinary forum to examine, discuss, and address environmental issues.

Learning takes place in both the formal courses offered by the School of the Environment (or electives in other units) and through informal interactions and engagements with other students and faculty at seminars and School events, such as the annual Research Day event where doctoral students present their dissertation work. With participating students from almost 30 disciplines, the core course, ENV1001H *Environmental Decision Making*, gives students a unique opportunity to engage with faculty and peers coming from a range of academic backgrounds and perspectives.

Upon successful completion of the degree requirements of the participating home graduate unit and the CSES, students will receive the notation "Completed Collaborative Specialization in Environmental Studies" on their transcript.

Contact and Address

Web: environment.utoronto.ca/graduate
Email: grad.director.env@utoronto.ca or
grad.office.env@utoronto.ca
Telephone: (416) 978-5174

Collaborative Specialization in Environmental Studies
School of the Environment, Earth Sciences Centre
University of Toronto
Room 1016V, 33 Willcocks Street
Toronto, Ontario M5S 3E8
Canada

Environmental Studies: Master's Level

Minimum Admission Requirements

- Students who wish to enrol in the Collaborative Specialization in Environmental Studies (CSES) offered by the School of the Environment must first apply to and be accepted into a master's program in a degree-granting unit, also called a home department or home unit. Information about applying to a master's program can be found on the School of Graduate Studies website as well as on the respective websites of participating degree-granting units.

- Prospective students who are planning to enrol in the CSES are strongly encouraged to submit the collaborative specialization enrolment form (PDF) after receiving their letter of acceptance or at the start of their program of study. Students are able to join the CSES beyond the start of their degree, provided they are able to complete the CSES requirements by the time they are ready to graduate from their degree program.

Completion Requirements

- The requirements listed below must be completed in combination with that expected for the master's degree program of the home department. These are normally counted as electives toward the degree program requirements of the student's home department. Typically, students complete a minimum of 1.0 full-course equivalent (FCE) and conduct research on an environmental topic. Note that specific requirements for participating programs can vary. The CSES requirements for each participating degree program are listed below as well as on the School of the Environment website under the Collaborative Specialization in Environmental Studies.
- Master's students who are enrolled in a coursework-based degree must complete 30% of their program requirements within their collaborative specialization as specified below.

Master's Degree Thesis or Major Research Paper Option

Master of Applied Science in Chemical Engineering and Applied Chemistry;
 Master of Applied Science in Civil and Mineral Engineering;
 Master of Applied Science in Earth Sciences;
 Master of Arts in Adult Education and Community Development;
 Master of Arts in Anthropology;
 Master of Arts in Geography;
 Master of Arts in Political Science;
 Master of Arts in Religion;
 Master of Arts in Social Justice Education;
 Master of Arts in Sociology (Research Paper Option);
 Master of Arts in Women and Gender Studies;
 Master of Education in Social Justice Education (Major Research Paper Option);
 Master of Information (Thesis Option);
 Master of Science in Anthropology;
 Master of Science in Chemistry;
 Master of Science in Computer Science;
 Master of Science in Earth Sciences (Doctoral Stream);
 Master of Science in Geography;
 Master of Science in Physics

- ENV1001H *Environmental Decision Making*.

- 0.5 elective FCE from the School of the Environment's list of approved courses. Courses (including special topics) that have an environment focus but are not included in the School's approved list can be counted as an elective, pending approval from the Graduate Associate Director.
 - **Anthropology MA and MSc** students are strongly encouraged to complete a cross-listed elective course such as ANT4051H or ANT6066H.
 - **Chemical Engineering MAsc** students are strongly encouraged to complete a cross-listed elective course such as CHE1435H or JNC2503H.
 - **Chemistry MSc** students are strongly encouraged to complete a cross-listed elective course such as CHM1401H, CHM1404H, CHM1410H, CHM1415H, CHM1420H, or CHM1425H.
 - **Computer Science MSc** students can complete one of the following courses as their CSES elective, which will also count towards their degree program: CSC2537H, CSC2552H, CSC2615H, or CSC2720H.
 - **Earth Sciences MASc and MSc** (doctoral-stream) students are strongly encouraged to complete a cross-listed elective course such as ESS2303H or ESS2304H.
 - **Geography MA and MSc** students are strongly encouraged to complete a cross-listed elective course such as GGR1216H, GGR1407H, GGR1408H, GGR1411H, JGE1425H, JPG1428H, JPG1429H, JPG1518H, or JPG1814H.
 - **Political Science MA** students are strongly encouraged to complete a cross-listed elective course such as POL2213H.
 - **Sociology MA** students are required to obtain permission from the Department of Sociology's Graduate Coordinator in order to enrol in outside electives. Students may request environment-related electives that are not from the School's list of approved courses to count towards their CSES by seeking approval from the School of the Environment's Graduate Associate Director.
 - **Women and Gender Studies MA** students are strongly encouraged to complete a cross-listed elective course such as WGS1016H.
- Write a thesis or major research paper in the home department on an environment-related topic. A copy of the final thesis or research paper must be submitted to the School of the Environment prior to graduation.

Master of Arts in Music, Field in Ethnomusicology

- ENV1001H *Environmental Decision Making*.
- 0.5 elective FCE from the School of the Environment's list of approved electives below.
- MUS1002H *Fieldwork Methods and Practicum*, provided the practicum includes an environmental component. A completion letter must be submitted to the School of the Environment prior to convocation. Alternatively, students can complete 0.5 FCE through either an additional approved elective, an individual reading and research course, or ENV5555Y *Research Paper*.
- Courses (including special topics) that have an environment focus but are not included in the School's approved list can be counted as an elective, pending approval from the Graduate Associate Director.

Master of Arts in Music, Field in Music Education

- ENV1001H *Environmental Decision Making*.

- 0.5 elective FCE from the School of the Environment's list of approved electives below. Courses (including special topics) that have an environment focus but are not included in the School's approved list can be counted as an elective, pending approval from the Graduate Associate Director.
- For students who complete MUS2990Y *MA Major Essay*, the paper should include an environmental component. A final copy of the paper must be submitted to the School prior to convocation.

Master of Science in Forestry

- ENV1001H *Environmental Decision Making*.
- FOR1001H *Graduate Seminar*, will count as the 0.5 FCE elective requirement towards the collaborative specialization.
- Thesis on an environmental topic. A copy of the final thesis must be submitted to the School of the Environment prior to convocation.

Master's Degree Coursework Option

Master of Arts in English;
 Master of Arts in Sociology (Coursework Option);
 Master of Education in Adult Education and Community Development;
 Master of Education in Social Justice Education (Coursework Option);
 Master of Engineering in Chemical Engineering and Applied Chemistry;
 Master of Engineering in Civil and Mineral Engineering;
 Master of Science in Earth Sciences (All-Course Option)

- ENV1001H *Environmental Decision Making*.
- 0.5 elective FCE from the School of the Environment's list of approved electives below.
 - Sociology MA students are required to obtain permission from the Department of Sociology's Graduate Coordinator in order to enrol in outside electives. Students may request environment-related electives that are not from the School's list of approved courses to count towards their CSES by seeking approval from the School's Graduate Associate Director.
- ENV4444H *Internship*. A letter confirming the completion of the internship must be submitted to the School of the Environment prior to convocation.
- ENV5555Y *Research Paper*. A copy of the final research paper must be submitted to the School of the Environment prior to convocation. Note: students with a research project/paper course component in their degree program may count this course towards the collaborative specialization in place of ENV5555Y, provided the project/paper they complete has an environmental component or theme.

Master of Arts in Music, Field in Musicology

- ENV1001H *Environmental Decision Making*.
- 0.5 elective FCE from the School of the Environment's list of approved electives below.

- Additional 0.5 FCE completed through either an additional approved elective, an individual reading and research course, ENV4444H *Internship*, or ENV5555Y *Research Paper*.
- Courses (including special topics) that have an environment focus but are not included in the School's approved list can be counted as an elective, pending approval from the Graduate Associate Director.

Master of Arts in Music, Field in Music Theory

- ENV1001H *Environmental Decision Making*.
- 0.5 elective FCE from the School of the Environment's list of approved electives below.
- Additional 0.5 FCE completed through either an additional approved elective, an individual reading and research course, ENV4444H *Internship*, or ENV5555Y *Research Paper*.
- Courses (including special topics) that have an environment focus but are not included in the School's approved list can be counted as an elective, pending approval from the Graduate Associate Director.

Master of Business Administration

- ENV1001H *Environmental Decision Making*.
- 1.0 elective FCE from the School of the Environment's list of approved electives below. Courses (including special topics) that have an environment focus but are not included in the School's approved list can be counted as an elective, pending approval from the Graduate Associate Director.
- 0.5 FCE practicum within the Management program (for example, RSM27XXH). The practicum must include an environment-related component. A letter confirming the completion of the internship must be submitted to the School of the Environment prior to convocation.
- ENV5555Y *Research Paper*. A copy of the final research paper must be submitted to the School prior to convocation.

Master of Engineering in Cities Engineering and Management

- ENV1001H *Environmental Decision Making*.
- 0.5 elective FCE from the Department of Civil and Mineral Engineering's infrastructure engineering elective list, provided there is an environmental component to the course.
- 1.0 FCE practicum to be completed with the Department of Civil and Mineral Engineering, provided there is an environmental component.

Master of Environmental Science

- ENV1001H *Environmental Decision Making*.
- 0.5 elective FCE from the School of the Environment's list of approved electives below. Courses (including special topics) that have an environment focus but are not included in the School's approved list can be counted as an elective, pending approval from the Graduate Associate Director.

- Either EES1116Y *Internship* or EES1101Y *Research Paper in Environmental Science*, provided there is an environmental component. Students completing a research paper must submit a final copy to the School prior to graduation. Students completing a placement must submit a letter of completion to the School prior to convocation.

Master of Forest Conservation

- ENV1001H *Environmental Decision Making*.
- 0.5 elective FCE from the School of the Environment's list of approved electives below. Courses (including special topics) that have an environment focus but are not included in the School's approved list can be counted as an elective, pending approval from the Graduate Associate Director.
- FOR3007H *Internship in Forest Conservation*, provided there is an environmental component. A letter confirming the completion of the internship must be submitted to the School prior to convocation.
- FOR3008H *Case Study Capstone in Forest Conservation*, provided there is an environmental component. A copy of the final research paper must be submitted to the School of the Environment prior to convocation.

Master of Global Affairs

- ENV1001H *Environmental Decision Making*.
- 0.5 elective FCE from the School of the Environment's list of approved electives below. Courses (including special topics) that have an environment focus but are not included in the School's approved list can be counted as an elective, pending approval from the Graduate Associate Director.
- GLA1007H *Global Internship*, which satisfied the internship requirement provided there is an environmental component. A letter confirming the completion of the internship must be submitted to the School of the Environment prior to convocation.
- Either GLA2095H *MGA Reading Course* or GLA2888H *MGA Research Paper*, which satisfies the research paper requirement provided there is an environmental component. A copy of the final research paper must be submitted to the School of the Environment prior to convocation.
- GLA2000H, which counts towards the collaborative specialization requirements.

Master of Information (Coursework Option)

- ENV1001H *Environmental Decision Making*.
- 0.5 elective FCE from the School of the Environment's list of approved electives below. Courses (including special topics) that have an environment focus but are not included in the School's approved list can be counted as an elective, pending approval from the Graduate Associate Director.
- INF2173H *Information Professional Practicum I*, which satisfies the internship requirement provided there is an environment related component. A letter confirming the completion of the internship must be submitted to the School of the Environment prior to convocation.
- ENV5555Y *Research Paper*. A copy of the final research paper must be submitted to the School of the Environment prior to convocation. Note: students with a research paper course component in their degree program may count this course towards the collaborative specialization in place of

ENV5555Y, provided the project/paper they complete has an environmental component or theme.

Master of Landscape Architecture and Design

3-Year Option

- ENV1001H *Environmental Decision Making*.
- 0.5 elective FCE from the School of the Environment's list of approved electives below. Courses (including special topics) that have an environment focus but are not included in the School's approved list can be counted as an elective, pending approval from the Graduate Associate Director.
- Up to 4.0 FCEs from the following courses may count towards the remaining CSES requirements: LAN1011Y, LAN1021Y, LAN2013Y, LAN1037H, LAN1038H, LAN1041H, LAN1043H, LAN1047H, LAN1048H, LAN2045H, LAN2046H, LAN2047H, LAN2048H, LAN3016Y, and LAN3017Y, provided there is an environmental component. Students completing the research paper must submit a final copy to the School of the Environment prior to convocation.

2-Year Option

- ENV1001H *Environmental Decision Making*.
- 0.5 elective FCE from the School of the Environment's list of approved electives below. Courses (including special topics) that have an environment focus but are not included in the School's approved list can be counted as an elective, pending approval from the Graduate Associate Director.
- Up to 2.0 FCEs from the following courses may count towards the remaining CSES requirements: LAN2013Y, LAN2045H, LAN2046H, LAN2047H, LAN2048H, LAN3016Y, and LAN3017Y, provided there is an environmental component. Students completing the research paper must submit a final copy to the School of the Environment prior to convocation.

Master of Public Policy

- ENV1001H *Environmental Decision Making*.
- 0.5 elective FCE from the School of the Environment's list of approved electives below. Courses (including special topics) that have an environment focus but are not included in the School's approved list can be counted as an elective, pending approval from the Graduate Associate Director.
- GLA2029H *The Sustainability Imperative: Implications for Global Affairs and Public Policy*.
- PPG2006Y *MPP Internship*, provided there is an environmental component. A copy of the internship completion letter and the final paper must be submitted to the School of the Environment prior to convocation.

Master of Science in Planning

- ENV1001H *Environmental Decision Making*.
- 0.5 elective FCE from the School of the Environment's list of approved electives below. Courses (including special topics) that have an environment focus but are not included in the School's approved list can be counted as an elective, pending approval from the Graduate Associate Director.

- PLA4444H Internship, which satisfies the internship requirement, provided there is an environmental component. A copy of the internship completion letter must be submitted to the School of the Environment prior to convocation.
- PLA1107Y *Current Issues Paper*, which satisfies the research paper requirement, provided there is an environmental component. A copy of the final research paper must be submitted to the School of the Environment prior to convocation.

Master of Science in Sustainability Management

- ENV1001H *Environmental Decision Making*.
- 0.5 elective FCE from the School of the Environment's list of approved electives below. Courses (including special topics) that have an environment focus but are not included in the School's approved list can be counted as an elective, pending approval from the Graduate Associate Director.
- SSM1110H *Sustainability Management Internship*, which satisfies the internship requirement, provided there is an environmental component. A copy of the internship completion letter must be submitted to the School of the Environment prior to convocation.
- Either SSM1100Y *Research Paper* or SSM1101Y *Research Paper II*, which satisfies the research paper requirement, provided there is an environmental component. A copy of the final research paper must be submitted to the School of the Environment prior to convocation.

Environmental Studies: Doctoral Level

Minimum Admission Requirements

- Students who wish to enrol in the CSES offered by the School of the Environment must first apply to and be accepted into a doctoral program in a degree-granting unit, also called a home department or home unit. Information about applying to a home graduate unit can be found on the School of Graduate Studies website as well as on the respective websites of participating degree-granting units.
- Prospective students are strongly encouraged to submit the Collaborative Specialization enrolment form (PDF) after receiving their letter of acceptance or at the start of their program of study. Students are able to join the CSES beyond the start of their degree, provided they are able to complete the CSES requirements by the time they are ready to graduate from their degree program.

Completion Requirements

- The requirements listed below must be completed in combination with the PhD degree program requirements of the student's home department. These are normally counted as electives toward the degree program requirements of the student's respective home department. Typically, students complete up to 1.0 full-course equivalent (FCE) and conduct research on an environmental topic. Note that specific requirements for participating degree programs can vary. Therefore, students are encouraged to check the calendar entries for their respective home department programs. Specific requirements for each participating degree program

are listed on the School of the Environment's website under the Collaborative Specialization in Environmental Studies.

- Complete the mandatory core course ENV1001H *Environmental Decision Making*, unless already completed at the master's level. If this is the case, an alternative elective course is required.
- Complete one elective course (0.5 FCE) from the School's list of approved courses. Courses (including special topics) that have an environment focus but are not included in the School's approved list can be counted as an elective, pending approval from the Graduate Associate Director.
 - Computer Science PhD students can complete one of the following courses as their elective, which will also count towards their degree program: CSC2537H, CSC2552H, CSC2615H, or CSC2720H.
 - Earth Sciences PhD students are strongly encouraged to complete a cross-listed elective course such as ESS2303H or ESS2304H.
 - Geography PhD students are strongly encouraged to complete a cross-listed elective course such as GGR1216H, GGR1407H, GGR1408H, GGR1411H, JGE1425H, JPG1428H, JPG1429H, JPG1518H, or JPG1814H.
 - Sociology PhD students are required to obtain permission from the Department of Sociology Graduate Coordinator in order to take outside electives. Students may request environment-related electives that are not on the official Environmental Studies elective list to count towards their collaborative specialization by seeking approval from the School of the Environment's Graduate Associate Director.
- Give an oral presentation of their doctoral research as part of the School's Research Day, which is held once per year in the spring. For the latter, the oral presentation may or may not be done in conjunction with a summary poster, depending on the decided format of the School's Research Day in any given year.
- Complete a thesis on an environmental topic in the home department. Normally, the thesis committee will include a supervisor from the student's home department who holds a graduate faculty membership (GFM) in the School of the Environment. If the student's primary thesis supervisor does not hold a GFM in the School of the Environment, the School's Director will either initiate the process of assigning a GFM to the primary supervisor, or review the composition of the thesis committee to ensure it has appropriate expertise. A copy of the final thesis must be submitted to the School of the Environment prior to graduation.
- Additional courses may be required by the home department and/or by the supervisor or supervisory committee, depending on academic and/or career goals of the student, as well as graduate unit regulations.

Environmental Studies: Courses

The School of the Environment offers individual credit courses that are open to graduate students from all parts of the University, subject to enrolment limits. Except for the core course, ENV1001H, not all courses are offered every year.

Graduate students enrolled in the CSES may also request to count non-listed electives towards their collaborative specialization pending approval from the School's Graduate Associate Director. (Non-listed electives are those not on 1) the pre-approved list of School of the Environment courses or 2) those that are formally cross-listed with other graduate units.)

For a current graduate course listing, please refer to the School of the Environment's website.

Core Course

ENV1001H

Elective Courses

ENV1002H, ENV1003H, ENV1005H, ENV1007H, ENV1008H, ENV1063H, ENV1103H, ENV1201H, ENV1202H, ENV1444H, ENV1701H, ENV1703H, ENV1704H, ENV1707H, ENV2000H, ENV2000Y, ENV2002H, ENV4444H, ENV4444Y, ENV5555Y

Other Elective Courses

Adult Education and Community Development (Department of Leadership, Higher and Adult Education)

LHA1193H

Anthropology

ANT4051H, ANT6066H

Chemical Engineering and Applied Chemistry

CHE1435H, JNC2503H

Chemistry

CHM1401H, CHM1404H, CHM1410H, CHM1415H, CHM1420H, CHM1425H

Civil Engineering

APS1410H

Computer Science

CSC2537H, CSC2552H, CSC2615H, CSC2720H

Earth Sciences

ESS2303H, ESS2304H

Ecology and Evolutionary Biology

EEB1250H, EEB1420H, EEB1450H

English

ENG5580H

Forestry

FOR1270H, FOR1294H, FOR1416H, FOR1575H, FOR1610H, FOR3013H

Geography and Planning

GGR1216H, GGR1407H, GGR1408H, GGR1411H, JGE1425H, JPG1428H, JPG1429H, JPG1518H, JPG1814H, PLA1601H

Global Affairs

JSE1708H

Information

INF2235H

Landscape Architecture

LAN1037H, LAN1041H, LAN2045H, LAN2047H, LAN3045H

Mechanical and Industrial Engineering

MIE1120H

Music

MUS1135H, MUS1169H, MUS1272H

Physics

PHY1498H, PHY2502H, PHY2504H, PHY2505H, PHY2506H

Political Science

POL2213H

Religion

RLG2005H

Social Justice Education

SJE1909H, SJE1919H

Sustainability Management

SSM2020H

Women and Gender Studies

WGS1016H

Ethnic, Immigration and Pluralism Studies

Ethnic, Immigration and Pluralism Studies: Introduction

Lead Faculty of the Collaborative Specialization

Arts and Science

Participating Degree Programs

Anthropology — MA, PhD
Educational Leadership and Policy — MA, MEd, EdD, PhD
European and Eurasian Studies — MA
Geography — MA, PhD
Global Affairs — MGA
History — MA, PhD
Industrial Relations and Human Resources — MIRHR, PhD
Language and Literacies Education — MA, MEd, PhD
Political Science — MA, PhD
Public Policy — MPP
Religion — MA, PhD
Social Justice Education — MA, MEd, EdD, PhD
Social Work — MSW, PhD
Sociology — MA, PhD
Women and Gender Studies — MA, PhD

Overview

Ethnic, Immigration and Pluralism Studies at the University of Toronto offers students with interests in ethnic, immigration, and pluralism studies the opportunity to widen their horizons, to expand their knowledge beyond a single disciplinary base, and to take advantage of the wealth and diversity of academic resources available at the University of Toronto — a great university situated in a large and culturally cosmopolitan city.

The graduate programs listed above participate in the Collaborative Specialization in Ethnic, Immigration and Pluralism Studies. They contribute courses and provide facilities and supervision for graduate research.

Upon successful completion of the degree requirements of the participating home graduate unit and the collaborative specialization, students will receive the notation “Completed Collaborative Specialization in Ethnic, Immigration and Pluralism Studies” on their transcript.

Contact and Address

Web: harneyprogram.ca
Email: harneyprogram@utoronto.ca
Telephone: (416) 978-4783

Collaborative Specialization in Ethnic, Immigration and Pluralism Studies
Munk School of Global Affairs and Public Policy
University of Toronto
1 Devonshire Place, room 057S
Toronto, Ontario M5S 3K7
Canada

Ethnic, Immigration and Pluralism Studies: Master's Level

Minimum Admission Requirements

- Applicants who wish to enrol in the collaborative specialization must apply to and be admitted to both the collaborative specialization (CS) and a graduate degree program in one of the collaborating graduate units.
- Applicants to the Master of Arts, Master of Education, Master of Global Affairs, Master of Industrial Relations and Human Resources, Master of Public Policy, Master of Science, and Master of Social Work degree programs are admitted by the participating graduate unit under the General Regulations of the School of Graduate Studies.

Completion Requirements

- Students must follow a plan of studies acceptable to both the participating graduate unit and the CS in Ethnic, Immigration and Pluralism Studies.
- Collaborative specialization requirements may be met concurrent with, or in addition to, graduate unit requirements. Students should consult specific graduate unit listings for information.
- 0.5 full-course equivalent (FCE) in ethnicity, immigration, or pluralism. Normally, this course is taken as an option within regular graduate unit or Faculty degree requirements, not as an additional course. For coursework-only programs, students must complete an additional 0.5 FCE in ethnicity, immigration, or pluralism coursework.
- A coordinating 0.5 FCE seminar in ethnicity, immigration, and pluralism (EIP3000H). The seminar is the place to discuss, compare, and bring together the various approaches to the study of ethnicity, immigration, and pluralism.
- Attendance at a minimum of one lecture per session (two per year) from the Harney Lecture Series organized by the CS in Ethnic, Immigration and Pluralism Studies.
- When a practicum or other major activity is required, it will focus on ethnicity, immigration, and/or pluralism.
- It is understood that the major paper or thesis as required by the graduate unit will be in an area relevant to the specialization.

Ethnic, Immigration and Pluralism Studies: Doctoral Level

Minimum Admission Requirements

- Applicants who wish to enrol in the collaborative specialization (CS) must apply to and be admitted to both the CS and a graduate degree program in one of the collaborating graduate units.
- Applicants to the Doctor of Education and Doctor of Philosophy degree programs are admitted under the General Regulations of the School of Graduate Studies.

Completion Requirements

- Students must follow a plan of studies acceptable to both the participating graduate unit and the CS in Ethnic, Immigration and Pluralism Studies.
- Collaborative specialization requirements may be met concurrent with, or in addition to, graduate unit requirements. Students should consult specific graduate unit listings for information.
- 0.5 full-course equivalent (FCE) in ethnicity, immigration, or pluralism including master's-level courses. Normally, this course is taken as an option within regular graduate unit or Faculty degree requirements, not as an additional course.
- A coordinating 0.5 FCE seminar in ethnicity, immigration, and pluralism (EIP3000H). The seminar is the place to discuss, compare, and bring together the various approaches to the study of ethnicity, immigration, and pluralism. Students who have taken this course for the master's degree need not repeat it.
- Attendance at a minimum of two lectures per session (four per year) from the Harney Lecture Series organized by the CS in Ethnic, Immigration and Pluralism Studies. Submission of one blog piece addressing an issue discussed during one of the attended Harney lectures.
- Presentation of research output (for example, thesis chapter, journal article) ready for submission at a work-in-progress session/conference organized by the CS.
- The PhD thesis will focus on ethnicity, immigration, and/or pluralism. The supervisor of the thesis committee will be a specialist in the area of ethnicity, immigration, and/or pluralism.

Ethnic, Immigration and Pluralism Studies: Courses

- Courses eligible for credit towards meeting specialization requirements in Ethnic, Immigration and Pluralism Studies are listed below.
- Students should check with the professor responsible for each course since a prerequisite may be required.
- Not all courses are offered each year. Please consult the collaborative specialization office or the appropriate graduate unit for course availability.

- Students wishing to use courses other than those listed below for credit towards meeting specialization requirements must submit a formal request in writing.

Coordinating Seminar

EIP3000H (formerly JTH3000H Coordinating Seminar: Ethnic Relations Theory, Research, and Policy)

Anthropology

ANT6056H

Curriculum, Teaching and Learning

CTL1430H, CTL3008H

Economics

ECO3800H

Education, Francophonies and Diversity

CRE1001H

European, Russian, and Eurasian Studies

ERE1170H, ERE1175H

Geography

GGR1822H, JPG1816H, JPG1825H

Global Affairs

GLA2056H

History

HIS1013H, HIS1180H

Industrial Relations and Human Resources

IRE1615H, IRE1725H

Law

Participation in LAW courses is at the discretion of the Faculty of Law upon presentation, to the Faculty of Law Records Office, of a signed permission form from the student's home graduate unit. Note that preference is given to JD students and that many LAW courses are full by the end of the Faculty of Law add/drop period.

LAW7052Y

Leadership, Higher and Adult Education

LHA1042H

Political Science

POL2205H, POL2322H, POL2391H, JPR2058H

Public Policy

PPG1005H, PPG2001H

Social Justice Education

SJE1922H, SJE1979H, SJE5013H

Social Work

SWK4304H, SWK4658H, SWK4804H

Sociology

SOC6309H

Women and Gender Studies

WGS1019H, WGS1028H

Food Studies

Food Studies: Introduction

Lead Faculty of the Collaborative Specialization

University of Toronto Scarborough

Participating Degree Programs

Anthropology — MA, PhD
East Asian Studies — MA, PhD
Environmental Science — PhD
Geography — MA, MSc, PhD
History — MA, PhD
Information — MI
Medieval Studies — PhD
Museum Studies — MMSt
Nutritional Sciences — MSc, PhD
Public Health Sciences — PhD
Sociology — MA, PhD
Spanish — PhD

Supporting Unit

Culinaria Research Centre

Overview

Food Studies is an interdisciplinary field dedicated to understanding where our food comes from and how it shapes our bodies and identities. The production and consumption of food has gone through tremendous changes in the past few hundred years. Before industrialization, most food was grown in the place where it was eaten. With the rise of global commodity agriculture, it is often hard to find out exactly what our food is and where it comes from. Then, famine was a constant spectre, whereas today, over-eating has become a significant health problem.

Particular attention will be given to the material nature of food, the way it tastes and smells, and the changes it undergoes through natural decomposition and through the human intervention of preservation and cooking. Students will learn the importance of food in religion, society, the family, gender roles, the environment, agriculture, urbanization, immigration, colonialism, and race and ethnicity. Food Studies will leverage the University's urban location and its proximity to Canada's agricultural heartland to broaden students' experience. The study of food provides both theoretical understanding and practical knowledge for professional careers in health care, business, government service, non-governmental organizations, and educational and community programs. This specialization will draw on a variety of disciplinary approaches emphasizing different knowledge and skills.

The collaborative specialization is open to master's and PhD students in the participating graduate programs listed above. Upon successful completion of the degree requirements of the participating home graduate unit and the collaborative specialization, students will receive the notation "Completed Collaborative Specialization in Food Studies" on their transcript.

Contact and Address

Web: www.utsc.utoronto.ca/culinaria
Email: culinaria.utsc@utoronto.ca
Telephone: (416) 208-8175

Collaborative Specialization in Food Studies
University of Toronto Scarborough
1265 Military Trail
Toronto, Ontario M1C 1A4
Canada

Food Studies: Master's Level

Minimum Admission Requirements

- Applicants must meet the admission requirements of both the home graduate unit and the collaborative specialization.
- Applicants must apply to and be admitted to both the collaborative specialization and a participating master's degree program.
- A curriculum vitae (CV).
- Applicants must demonstrate superior writing and research skills, as well as an interest in the socio-cultural aspects of food. Applicants will submit to the collaborative specialization committee a research paper (maximum 30 pages) that has been submitted to the home graduate unit, or one that is focused on food studies.
- Letters from two references. The letters of reference should describe the student's academic ability and career aspirations, and comment on the student's potential benefit from the collaborative specialization.
- Some undergraduate experience in food-related coursework is desired.

Completion Requirements

Master of Arts in Anthropology;
Master of Arts in East Asian Studies (Thesis Option);
Master of Arts in History;
Master of Arts and Master of Science in Geography;
Master of Arts in Sociology (Research Paper Option);
Master of Information (Concentration Plus Thesis Option);
Master of Museum Studies (Thesis Option);
Master of Science in Nutritional Sciences

- Students must meet all the degree requirements of the School of Graduate Studies, the participating home program, and the collaborative specialization.
- Successful completion of the seminar FST1000H *Comparative Research Methods in Food Studies*.

- Regular and active participation in SRM3333H *Culinaria Seminar Series*.
- The major research paper or thesis in the participating degree program will be on a topic in food studies, approved by the collaborative specialization committee.
- Collaborative specialization courses may be taken as electives for the purpose of satisfying home program requirements.

Master of Arts in East Asian Studies (Coursework-Only Option); Master of Arts in Sociology (Coursework-Only Option)

- Students must meet all the degree requirements of the School of Graduate Studies, the participating home program, and the collaborative specialization.
- Successful completion of the seminar FST1000H *Comparative Research Methods in Food Studies*.
- Successful completion of 1.0 elective FCE related to food studies.
- Regular and active participation in SRM3333H *Culinaria Seminar Series*.
- Collaborative specialization courses may be taken as electives for the purpose of satisfying home program requirements.

Master of Information (Coursework-Only Option)

- Students must meet all the degree requirements of the School of Graduate Studies, the participating home program, and the collaborative specialization.
- Successful completion of the seminar FST1000H *Comparative Research Methods in Food Studies*.
- Successful completion of the practicum INF2173H *Information Professional Practicum I* in an area related to food studies.
- Successful completion of 1.5 elective FCEs related to food studies.
- Regular and active participation in SRM3333H *Culinaria Seminar Series*.
- Collaborative specialization courses may be taken as electives for the purpose of satisfying home program requirements.

Master of Museum Studies (Coursework-Only Option)

- Students must meet all the degree requirements of the School of Graduate Studies, the participating home program, and the collaborative specialization.
- Successful completion of the seminar FST1000H *Comparative Research Methods in Food Studies*.
- Successful completion of 2.0 FCEs from a combination of:
 - a capstone project MSL4000Y related to food studies;
 - up to 2.0 elective FCEs related to food studies.
- Regular and active participation in SRM3333H *Culinaria Seminar Series*.
- Collaborative specialization courses may be taken as electives for the purpose of satisfying home program requirements.

Food Studies: Doctoral Level

Minimum Admission Requirements

- Applicants must meet the admission requirements of both the home graduate unit and the collaborative specialization.
- Applicants must apply to and be admitted to both the collaborative specialization and a participating doctoral degree program.
- Students who complete the collaborative specialization at the master's level will be eligible for the program at the doctoral level, but will be expected to complete an additional topics course (see below).
- A curriculum vitae (CV).
- Applicants must demonstrate superior writing and research skills, as well as an interest in the socio-cultural aspects of food. Applicants will submit to the collaborative specialization committee a master's-level research project paper or thesis. Experience in a food-related field (either practical, scholarly, or policy/political/social service) is beneficial.

Completion Requirements

- Students must meet the degree requirements of the School of Graduate Studies, the participating home program, and the collaborative specialization.
- Successful completion of the seminar FST1000H *Comparative Research Methods in Food Studies*, if not already taken at the master's level. Students who have completed the Food Studies collaborative specialization at the master's level are exempted from this requirement.
- Successful completion of the topics course FST2000H *Food, Culture, and Society*. The course theme will be decided each year by the collaborative specialization committee.
- Regular and active participation in SRD4444H *Culinaria Seminar Series*.
- The student's dissertation in their home graduate unit must be on a topic in food studies, approved by the specialization committee.
- Collaborative specialization courses may be taken as electives for the purpose of satisfying home program requirements.

Food Studies: Courses

Required Courses

FST1000H, FST2000H

Elective Courses

These courses may have prerequisites and enrolment limits. These courses may not be offered every year. Students may take courses not listed below with approval of the collaborative specialization director.

ANT4039H, CHL5652H, HIS1301H, JPG1429H, LHA1197H, NFS1201H, NFS1212H, NFS1216H, NFS1218H

Genome Biology and Bioinformatics

Genome Biology and Bioinformatics: Introduction

Lead Faculty of the Collaborative Specialization

Arts and Science

Participating Degree Programs

Biochemistry — PhD
Biomedical Engineering — PhD
Cell and Systems Biology — PhD
Chemical Engineering and Applied Chemistry — PhD
Computer Science — PhD
Ecology and Evolutionary Biology — PhD
Laboratory Medicine and Pathobiology — PhD
Medical Biophysics — PhD
Medical Science — PhD
Molecular Genetics — PhD

Overview

The availability of complete genome sequences of many organisms has led to the appreciation that our knowledge of the function of the genome and other omes of any given organism is far from complete. A wide range of computational, theoretical, biochemical, structural, cell biological, and genetic approaches need to cooperate to establish the connections between sequence and function. The Collaborative Specialization in Genome Biology and Bioinformatics addresses this need for cooperation with a coherent course of study that educates, trains, and provides community for doctoral graduate students across these diverse disciplines.

The graduate programs listed above participate in the Collaborative Specialization in Genome Biology and Bioinformatics. Upon successful completion of the PhD requirements of the participating home graduate unit and the collaborative specialization, students will receive the notation "Completed Collaborative Specialization in Genome Biology and Bioinformatics" on their transcript.

Contact and Address

Web: gbb.csb.utoronto.ca
Email: denise.horsley@utoronto.ca
Telephone: (416) 978-8879

Collaborative Specialization in Genome Biology and Bioinformatics
Department of Cell and Systems Biology
Faculty of Arts and Science, University of Toronto
25 Harbord Street, RW 424D
Toronto, Ontario, M5S 3G5
Canada

Genome Biology and Bioinformatics: Doctoral Level

Minimum Admission Requirements

- Applicants who wish to enrol in the collaborative specialization must apply to and be admitted to both the collaborative specialization and a graduate degree program in one of the collaborating graduate units. Since this is a doctoral-level course of study, students must be registered in the doctoral program of one of the host graduate units and must be undertaking research with a significant genome biology and/or bioinformatics component under the supervision of a member of the collaborative specialization.

Completion Requirements

- Complete a PhD thesis in the area of the collaborative specialization, and any core courses as required by the student's host graduate unit.
- Complete the seminar series in Genome Biology and Bioinformatics (GBB1001H). Students will be required to present and discuss their research projects in this seminar series.
- Participate in collaborative traineeships in which an aggregate time of two to four months is spent in a collaborating laboratory, thematically working on an aspect of the thesis project but with a complementary method. The goal of the collaborative traineeship is ideally a joint publication between the two member labs.

Genome Biology and Bioinformatics: Courses

Students are required to enrol in the seminar course GBB1001H.

Required Seminar Series

GBB1001H

Elective

CSB1482H

Global Health

Global Health (U of T Global Scholar): Introduction

Lead Faculty of the Collaborative Specialization

Public Health

Participating Degree Programs

Anthropology — MA, MSc, PhD
Chemical Engineering and Applied Chemistry — MASc, MEng, PhD
Community Health — MScCH
Dentistry — MSc (thesis only), PhD
Geography — MA, MSc, PhD
Global Affairs — MGA
Health Policy, Management and Evaluation — MSc (thesis only), PhD
Law — LLM, SJD
Management — PhD
Medical Science — PhD
Nursing Science — MN, PhD
Nutritional Sciences — PhD
Pharmaceutical Sciences — MSc (thesis only), PhD
Planning — MScPl, PhD
Political Science — PhD
Public Health Sciences — MPH, MSc (thesis only), PhD
Public Policy — MPP
Rehabilitation Science — MSc, PhD

Overview

The graduate programs listed above participate in the Collaborative Specialization in Global Health (U of T Global Scholar). This specialization offers students collaborative and interdisciplinary graduate education and research opportunities in global health. Global health is viewed as an integrative construct that focuses on the inter-relationships between local, regional, national, and international factors influencing health and health equity and effective programs and policies that will address these factors.

The Collaborative Specialization in Global Health (U of T Global Scholar) enhances the student experience by exposing students to a broad base of faculty expertise and an opportunity to share research ideas and results from multiple disciplinary perspectives. This specialization signals the University's commitment to improving the well-being of people in Canada and around the world through higher education and advanced research in global health.

Upon successful completion of the degree requirements of the participating home graduate unit and the collaborative specialization, students will receive the notation "Completed

Collaborative Specialization in Global Health (U of T Global Scholar)" on their transcript.

Students who complete the requirements of the Collaborative Specialization in Global Health are considered University of Toronto Global Scholars.

Contact and Address

Web: www.dlsph.utoronto.ca/institutes/centre-for-global-health
Email: globalhealth.dlsph@utoronto.ca
Telephone: (416) 946-7909

Collaborative Specialization in Global Health (U of T Global Scholar), Centre for Global Public Health
Dalla Lana School of Public Health, University of Toronto
155 College Street, Room 400
Toronto, Ontario M5T 3M7 Canada

Global Health (U of T Global Scholar): Master's Level

Minimum Admission Requirements

- Applicants must meet the admission requirements of both the home graduate program in which they are registered as well as the collaborative specialization.
- Applicants must be admitted to a master's program in one of the collaborating home graduate units before they may apply to the Collaborative Specialization in Global Health (U of T Global Scholar).

Completion Requirements

- Meet all the degree requirements of the School of Graduate Studies, the home graduate unit, and the Collaborative Specialization in Global Health (U of T Global Scholar).
- Students must successfully complete the global health core course, CHL5700H *Global Health*.
- Depending on the requirements of their core master's programs, collaborative specialization students must complete either a practicum placement, a major research paper, or a master's thesis related to global health.
- Master's students will be encouraged to participate in a series of shared co-curricular global health activities organized by the Dalla Lana School of Public Health and other participating graduate units.
- Students in Global Affairs (MGA) who cannot find an appropriate global internship must complete an additional 2.0 FCEs in approved global health electives.
- Students in Public Policy (MPP) who cannot find an appropriate global internship must complete a major research paper (MPP Capstone, PPG2003H) related to global.
- Students in coursework-only programs in Engineering (MEng) and Public Health (MScCH) must complete an additional 1.0 FCE in approved global health electives. Students in the coursework-only Law program (LLM) must complete an additional 1.5 FCEs in approved global health electives.

- Students in the Master of Nursing (MN) field of Health Systems Leadership and Administration and the field of Nurse Practitioner will exceed the MN program course requirements by 0.5 FCE because students are required to complete CHL5700H outside their home program requirements.

Core Course

CHL5700H *Global Health*

Elective Courses

Students in Global Affairs (MGA) and students in coursework-only master's programs must take additional global health electives as outlined above. The elective must be approved by the program director of the collaborative specialization.

Global Health (U of T Global Scholar): Doctoral Level

Minimum Admission Requirements

- Applicants must meet the admission requirements of both the home graduate program in which they are registered as well as the collaborative specialization.
- Applicants must be admitted to a doctoral program in one of the collaborating home graduate units before they may apply to the Collaborative Specialization in Global Health (U of T Global Scholar).
- Applicants should have professional, academic, or volunteer experience in global health.

Completion Requirements

- Meet all the degree requirements of the School of Graduate Studies, the home graduate unit, and the Collaborative Specialization in Global Health (U of T Global Scholar).
- Students must successfully complete:
 - The global health research seminar series CHL5701H *Doctoral Seminar, Collaborative Specialization in Global Health* over two academic sessions. Students must attend all seminars offered during the two sessions.
 - One of the following courses:
 - 0.5 FCE: CHL5702H *History of International Health*, CHL5704H *International Human Rights Law and Global Health: The Right to Health in Theory and Practice*, NUR1038H *Social Determinants of Health in a Global Context*, or
 - 1.0 FCE: JCR1000Y *An Interdisciplinary Approach to Addressing Global Challenges*.
 - One elective (0.5 FCE) from outside the home graduate unit, selected in consultation with the collaborative specialization director.
 - A thesis on an issue related to global health, to be approved by both the home unit and the Collaborative Specialization in Global Health Director (U of T Global Scholar).

Health Services and Policy Research

Health Services and Policy Research: Introduction

Admissions have been administratively suspended. This collaborative specialization will close on December 31, 2027.

Lead Faculty of the Collaborative Specialization

Public Health

Participating Degree Programs

Health Policy, Management and Evaluation — MSc, PhD
Kinesiology — MSc, PhD
Pharmaceutical Sciences — MSc, PhD
Public Health Sciences — PhD
Rehabilitation Science — MSc
Social Work — PhD

Overview

The Collaborative Specialization in Health Services and Policy Research began in 2001 as a consortium of six Ontario universities, called the Ontario Training Centre. It was established in a response to the need for increased numbers of health services researchers to address critical issues in effective and efficient health-care delivery (which has been identified as a top priority by national research funding agencies). The Ontario Training Centre was part of a pan-Canadian initiative involving other provincial centres. After its first decade of operations, funding for the centre has concluded. However, the Collaborative Specialization in Health Services and Policy Research continues to attract graduate students from the University of Toronto from a variety of disciplines.

The overall goal of the collaborative specialization is to increase health research capacity in Ontario through an innovative training program that builds on existing strengths in university and decision-making environments.

Partnering with a number of health-care organizations, the Collaborative Specialization in Health Services and Policy Research offers graduate training leading to a Diploma in Health Services and Policy Research.

Specific objectives of the collaborative specialization include:

- providing training in health services research for graduate students;
- enhancing the quality and breadth of transdisciplinary training in health services research; and

- including decision makers as active partners in teaching, program and curriculum planning, and the provision of field placements for students.

This competency-based collaborative specialization focuses on the following five areas:

- understanding the Canadian health-care system;
- ability to carry out health services research;
- understanding theories regarding how the health of populations is produced;
- understanding theories of health and health services knowledge production; and
- knowledge exchange and development of research partnerships.

Upon successful completion of the degree requirements of the participating home graduate unit and the collaborative specialization, students will receive the notation "Completed Collaborative Specialization in Health Services and Policy Research" on their transcript.

Contact and Address

Web: ihpme.utoronto.ca/collaborative-specializations/health-services-and-policy-research/
Email: whit.bera@utoronto.ca
Telephone: (416) 946-5223
Fax: (416) 978-7350

Collaborative Graduate Specialization in Health Services and Policy Research
c/o Dr. Whitney Berta
Institute of Health Policy, Management and Evaluation
University of Toronto
Suite 428, 4th Floor, 55 College Street
Toronto, Ontario M5T 3M6
Canada

Health Services and Policy Research: Master's Level

Admissions have been administratively suspended.

Minimum Admission Requirements

- Applicants who wish to enrol in the collaborative specialization must apply to and be admitted to both the collaborative specialization and a graduate degree program in one of the collaborating graduate units.
- Master's students are admitted under the General Regulations of the School of Graduate Studies and the specific criteria of the participating unit.
- An overall B+ average in the last two years of an appropriate bachelor's degree from a recognized university.
- An interest in health services and policy research outlined in an autobiographical letter including the applicant's reasons for becoming a health services or policy researcher.

Completion Requirements

Students must meet all respective degree requirements of the School of Graduate Studies and the participating graduate unit.

- **Coursework.** Students must complete a total of **1.5 full-course equivalents (FCEs)** as follows:
 - HSR1000H *Research and/or Policy Practicum*
 - HSR1002H *Health Services Research Seminar*
 - 0.5 FCE from the elective course list.
- Students are required to write a **thesis** under the supervision of a core faculty member of the collaborative specialization. The thesis must address the theme of health services and policy research.

Health Services and Policy Research: Courses

Required

HSR1000H, HSR1002H

Electives

HAD5011H, HAD5727H, HAD5728H, HAD7001H, HSR1001H

Health Services and Policy Research: Doctoral Level

Admissions have been administratively suspended.

Minimum Admission Requirements

- Applicants who wish to enrol in the collaborative specialization must apply to and be admitted to both the collaborative specialization and a graduate degree program in one of the collaborating graduate units.
- Doctoral students are admitted under the General Regulations of the School of Graduate Studies and the specific criteria of the participating unit.
- Applicants are required to:
 - demonstrate academic excellence in completed courses (B+ average in graduate courses), scholarships and academic awards received;
 - demonstrate aptitude for health services and policy research (letter of recommendation from a previous professor or thesis supervisor, commenting on the applicant's academic abilities and likelihood for success as a health services researcher);
 - outline career plans (in an autobiographical letter including their reasons for becoming a health services researcher and their career plans); and
 - propose a plan of study in the collaborative specialization.
- Students who complete the collaborative specialization at the master's level are not eligible to participate at the PhD level.

Completion Requirements

Students must meet all respective degree requirements of the School of Graduate Studies and the participating graduate unit.

- **Coursework.** Students must complete a total of **1.5 full-course equivalents (FCEs)** as follows:
 - HSR1000H *Research and/or Policy Practicum*
 - HSR1002H *Health Services Research Seminar*
 - 0.5 FCE from the elective course list.
- Students are required to complete a **dissertation** under the supervision of a core faculty member of the collaborative specialization. The dissertation must address the theme of health services and policy research.

Indigenous Health

Indigenous Health: Introduction

Effective September 2021, admissions to this collaborative specialization (CS) have been administratively suspended. The CS will close on August 31, 2028.

Lead Faculty of the Collaborative Specialization

Public Health

Participating Degree Programs

Adult Education and Community Development — MA, MEd, PhD
Anthropology — MA, MSc, PhD
Counselling and Clinical Psychology — MA, PhD
Counselling Psychology — MEd, EdD
Geography — MA, PhD
Medical Science — MSc, PhD
Nutritional Sciences — MSc, PhD
Public Health Sciences— MPH, PhD
Social Justice Education — MA, MEd, EdD, PhD

Supporting Units

Indigenous Studies program (undergraduate), Faculty of Arts and Science

Overview

The Collaborative Specialization in Indigenous Health (CSIH) is situated in the Dalla Lana School of Public Health at the Waakebiness Institute for Indigenous Health (WIIH). The main objective is to provide training in Indigenous health research and practice for graduate students across U of T, while enhancing mutually beneficial and authentic relationships with Indigenous peoples, communities, and organizations.

Upon successful completion of the degree requirements of the participating home graduate unit and the collaborative specialization, students will receive the notation "Completed Collaborative Specialization in Indigenous Health" on their transcript.

Contact and Address

Web: www.dlsph.utoronto.ca/institutes/wiih/collaborative-specialization-in-indigenous-health
Email: mphih.dlsph@utoronto.ca
Telephone: (416) 978-8502
Fax: (416) 978-1883

Collaborative Specialization in Indigenous Health
c/o Waakebiness Institute for Indigenous Health (WIIH)

University of Toronto
155 College Street, 4th Floor
Toronto, Ontario M5T 3M7
Canada

Indigenous Health: Master's Level

Minimum Admission Requirements

- Applicants who wish to enrol in a collaborative specialization must apply to and be admitted to both the collaborative specialization and a graduate degree program in one of the collaborating graduate units.
- Applicants must submit a completed Collaborative Specialization in Indigenous Health (CSIH) application form (Word) to the CSIH committee.

Completion Requirements

- All master's students in the collaborative specialization will take the core course CHL5520H *Indigenous Health* that runs in August annually.
- In home graduate units where a thesis or major research paper is required, it must deal with an Indigenous health topic. At least one member of the student's thesis committee must be a core faculty member of the collaborative specialization.
- In home graduate units where students undertake a practicum or equivalent, it must focus on an Indigenous health topic and be supervised by a core faculty member of the collaborative specialization.
- Students in coursework-only programs must complete additional coursework in approved Indigenous health electives. For the MEd in Adult Education and Community Development and the MEd in Social Justice Education (Coursework Only Option), 1.0 FCE in additional courses in Indigenous Health are required.
- Students must participate in at least 80% of the Research Seminar Series, held monthly, as well as participate in at least one Indigenous land-based activity.
- Students must complete the requirements of the collaborative specialization in addition to those requirements for the degree program in their home graduate unit.

Indigenous Health: Doctoral Level

Minimum Admission Requirements

- Applicants who wish to enrol in a collaborative specialization must apply to and be admitted to both the collaborative specialization and a graduate degree program in one of the collaborating graduate units.
- Applicants must submit a completed Collaborative Specialization in Indigenous Health (CSIH) application form (Word) to the CSIH committee.

Completion Requirements

- All doctoral students in the collaborative specialization will take the core course CHL5520H *Indigenous Health* that runs in August annually.
- Students who have previously taken the core course CHL5520H *Indigenous Health* during their master's program are required to take a different course, approved by the collaborative specialization director, during their doctoral program.
- Students must participate in at least 80% of the Research Seminar Series, held monthly, as well as participate in at least one Indigenous land-based activity
- Students must complete the requirements of the collaborative specialization in addition to those requirements for the degree program in their home graduate unit.

Indigenous Health: Courses

Core Course

CHL5520H

Jewish Studies

Jewish Studies: Introduction

Lead Faculty of the Collaborative Specialization

Arts and Science

Participating Degree Programs

Anthropology — MA, PhD
Art History — MA, PhD
Classics — MA, PhD
Comparative Literature — MA, PhD
Drama, Theatre and Performance Studies — MA, PhD
English — MA, PhD
European and Eurasian Studies — MA
Geography — PhD
Germanic Languages and Literatures — MA
Germanic Literature, Culture and Theory — PhD
History — MA, PhD
Information — PhD
Law — LLM, MSL, SJD
Linguistics — PhD
Medieval Studies — MA, PhD
Museum Studies — MMSt
Music — MA, PhD
Music Performance — DMA
Near and Middle Eastern Civilizations — MA, PhD
Philosophy — MA, PhD
Political Science — MA, PhD
Religion — MA, PhD
Slavic Languages and Literatures — MA, PhD
Sociology — MA, PhD
Women and Gender Studies — MA

Overview

The Collaborative Specialization in Jewish Studies offers both broad and intensive exposure to the constituent fields within Jewish Studies. Because of Jewish civilization's vast chronological and geographical range, as well as its constant interaction and cross-fertilization with other cultures, graduate work within Jewish Studies demands intensive exposure to a wide variety of languages, textual traditions, and scholarly disciplines.

The collaborative specialization involves the graduate master's and doctoral programs listed above. Upon successful completion of the degree requirements of the participating home graduate unit and the collaborative specialization, students will receive the notation "Completed Collaborative Specialization in Jewish Studies" on their transcript.

Contact and Address

Web: www.jewishstudies.utoronto.ca
Email: cjs.director@utoronto.ca
Telephone: (416) 978-1624
Fax: (416) 946-7719

Collaborative Specialization in Jewish Studies
Anne Tanenbaum Centre for Jewish Studies
University of Toronto
170 St. George Street, Suite 218
Toronto, Ontario M5R 3M8
Canada

Jewish Studies: Master's Level

Minimum Admission Requirements

- In addition to the admission requirements of the home graduate unit, sufficient linguistic knowledge, textual training, and familiarity with relevant scholarship in order to carry out graduate work in Jewish Studies within the chosen field are required.

Completion Requirements

- Completion of CJS1000H, the core methods seminar in Jewish Studies. This seminar will introduce students to the different disciplines, methods, and approaches within Jewish Studies.
- 0.5 full-course equivalent (FCE) in Jewish Studies taken within the student's home graduate unit or in another unit (may count towards the course requirements of the student's home unit).
- A comprehensive exam in Jewish Studies, supervised by a faculty member chosen from Jewish Studies and in consultation with the graduate chair from the student's home unit, in which the student will be asked to show knowledge of areas of Jewish Studies relevant to his or her disciplinary focus.
- If the student's home program requires a major research paper or thesis, the focus of the paper must pertain to Jewish Studies, and the topic must be approved by the collaborative specialization director.

Jewish Studies: Doctoral Level

Minimum Admission Requirements

- In addition to the admission requirements of the home graduate unit, sufficient linguistic knowledge, textual training, and familiarity with relevant scholarship in order to carry out graduate work in Jewish Studies within the chosen field are required.

Completion Requirements

- Completion of CJS2000H, the core research colloquium in Jewish Studies that runs biweekly throughout the year.
- Two half courses (1.0 full-course equivalent [FCE]), one within and one outside of the student's home unit, taught by a member of the CJS faculty (may count towards the course requirements of the student's home unit).
- A doctoral dissertation that deals substantively with topics in Jewish Studies and is supervised or co-supervised by a Jewish Studies graduate faculty member.
- Students will be required to give one presentation at the Jewish Studies graduate student conference over the course of their doctoral program. The conference will be held each year in the spring. The paper presentation must be completed before the completion of the doctoral program.

Religion

RLG3621H, RLG3622H, RLG3634H#, RLG3641H, RLG3645Y

Slavic Languages and Literatures

SLA1207H

Jewish Studies: Courses

Not all courses are offered every year. Please consult the graduate unit for information about course availability. **Courses marked with # are taught by Jewish Studies faculty members and incorporate themes within and outside of Jewish Studies.** Major research and writing assignments for such courses must focus on topics in Jewish Studies.

Core Courses

CJS1000H, CJS2000H

Elective Courses

Reading Course

CJS1012H, CJS2010H

History

HIS1279H, HIS1287H

Medieval Studies

MST3225H#

Near and Middle Eastern Civilizations

NMC1100Y#, NMC1101Y#, NMC1102Y, NMC1105Y#, NMC1106Y#, NMC1111Y#, NMC1306H, NMC1308H#, NMC1318H, NMC1608Y

Philosophy

Various courses, depending upon their content in a given year. Consult the collaborative specialization director.

PHL2084H#, PHL2089H#, PHL2090H

Knowledge Media Design

Knowledge Media Design: Introduction

Admissions to this collaborative specialization have been **administratively suspended**.

Lead Faculty of the Collaborative Specialization

Information

Participating Degree Programs

Architecture — MArch
Computer Science — MSc, PhD
Curriculum and Pedagogy — MA, MEd, PhD
Drama, Theatre and Performance Studies — MA, PhD
Information — MI, PhD
Landscape Architecture — MLA
Language and Literacies Education — MA, MEd, PhD
Mechanical and Industrial Engineering — MAsC, MEng, PhD
Medical Science — MSc, PhD
Museum Studies — MMSt
Religion — MA, PhD
Urban Design — MUD

Overview

The Collaborative Specialization in Knowledge Media Design (KMD) was launched in 2002 as the teaching arm of the Knowledge Media Design Institute (KMDI). KMD provides a specialization for graduate students from a variety of academic backgrounds to engage in the design, prototyping, evaluation, and use of knowledge media. In keeping with KMDI's human-centred approach, students explore the design and use of new media in the context of real-world practices of individuals and communities. Access to an intensely collaborative and cross-disciplinary faculty encourages students to take a broader view of technological and social change and to be constructively critical of technological utopian and dystopian visions alike. The goal is for students to take into account heritage and history, to understand the realities of today, and to design for tomorrow.

Students have access to a community of scholars and the network of relationships that the institute coordinates. They gain first-hand experience of a living network of innovation, an environment in which the resources are people and knowledge, and the social capital and value that are generated through collaboration.

The collaborative specialization is open to master's and PhD students in the participating graduate programs listed above. Upon successful completion of the degree requirements of the participating home graduate unit and the collaborative specialization, students will receive the notation "Completed Collaborative Specialization in Knowledge Media Design" on their transcript.

Contact and Address

Web: kmdi.utoronto.ca
Email: admin.kmdi@utoronto.ca
Telephone: (416) 978-5634

Collaborative Specialization in Knowledge Media Design
Knowledge Media Design Institute, University of Toronto
Faculty of Information
John P. Robarts Library Building, 7023A
130 St. George Street
Toronto, Ontario M5S 1A5
Canada

Mailing address:
Faculty of Information
Knowledge Media Design Institute
University of Toronto
140 St. George Street
Toronto, ON M5S 3G6
Canada

Knowledge Media Design: Master's Level

Admissions to this collaborative specialization have been **administratively suspended**.

Minimum Admission Requirements

- Students wanting to apply to the collaborative specialization must be enrolled, or anticipate being enrolled, in a participating degree program. They must apply separately to the collaborative specialization and the home graduate unit.
- Please consult the KMDI website for application guidelines. Admission will be subject to the approval of the graduate unit concerned and the collaborative specialization committee.

Completion Requirements

Master of Applied Science in Mechanical and Industrial Engineering (MEng Project Option);
Master of Architecture;
Master of Arts in Curriculum and Pedagogy;
Master of Arts in Drama, Theatre and Performance Studies;
Master of Arts in Language and Literacies Education;
Master of Arts in Religion;
Master of Landscape Architecture;
Master of Museum Studies;
Master of Science in Computer Science;
Master of Science in Medical Science;
Master of Urban Design

- Students must meet all the requirements of their home program.
- Students must successfully complete a total of **1.0 full-course equivalent (FCE)**:

- KMD1001H *Theory and Methods in Knowledge Media Design*.
- 0.5 elective FCE related to knowledge media and design. Courses are subject to availability.
- Students must attend two KMDI Speaker Series Lectures during one academic year of their degree program. Attendance will be monitored and appear on the transcript as KMD2100Y *Master's Seminar*.
- The thesis or major research project in the participating degree program should be relevant to the area of knowledge media design, as approved by the home graduate unit and the collaborative specialization committee.
- Students must submit a portfolio that includes completed student coursework and research in knowledge media design. The collaborative specialization committee will review all portfolios for their quality and contribution to the area of knowledge media design. Students' thesis or major research project will be a component of their portfolios.
- Collaborative specialization courses may be taken as electives for the purpose of satisfying home program requirements.

Master of Education in Curriculum Studies and Teacher Development; Master of Education in Language and Literacies Education; Master of Engineering in Mechanical and Industrial Engineering (Coursework-Only Option)

- Students must meet all the requirements of their home program.
- Students must successfully complete a total of **1.5 full-course equivalents (FCEs)**:
 - KMD1001H *Theory and Methods in Knowledge Media Design*.
 - 1.0 elective FCE related to knowledge media and design. Courses are subject to availability.
- Students must attend two KMDI Speaker Series Lectures during one academic year of their degree program. Attendance will be monitored and appear on the transcript as KMD2100Y *Master's Seminar*.
- Students must submit a portfolio that includes completed student coursework in knowledge media design. The collaborative specialization committee will review all portfolios for their quality and contribution to the area of knowledge media design.
- Collaborative specialization courses may be taken as electives for the purpose of satisfying home program requirements.

Master of Information (Coursework-Only Option)

- Students must meet all the requirements of their home program.
- Students must successfully complete a total of **2.5 full-course equivalents (FCEs)**:
 - KMD1001H *Theory and Methods in Knowledge Media Design*.
 - 2.0 elective FCEs related to knowledge media and design. Courses are subject to availability.
- Students must attend two KMDI Speaker Series Lectures during one academic year of their degree program.

Attendance will be monitored and appear on the transcript as KMD2100Y *Master's Seminar*.

- Students must submit a portfolio that includes completed student coursework in knowledge media design. The collaborative specialization committee will review all portfolios for their quality and contribution to the area of knowledge media design.
- Collaborative specialization courses may be taken as electives for the purpose of satisfying home program requirements.

Master of Information (Thesis Option)

- Students must meet all the requirements of their home program.
- Students must successfully complete a total of **1.0 full-course equivalent (FCE)**:
 - KMD1001H *Theory and Methods in Knowledge Media Design*;
 - 0.5 elective FCE related to knowledge media and design. Courses are subject to availability.
- Students must attend two KMDI Speaker Series Lectures during one academic year of their degree program. Attendance will be monitored and appear on the transcript as KMD2100Y *Master's Seminar*.
- Students must submit a portfolio that includes completed student coursework and research in knowledge media design. The collaborative specialization committee will review all portfolios for their quality and contribution to the area of knowledge media design. Students' thesis will be a component of their portfolios.
- The thesis in the participating degree program should be relevant to the area of knowledge media design, as approved by the home graduate unit and the collaborative specialization committee.
- Collaborative specialization courses may be taken as electives for the purpose of satisfying home program requirements.

Knowledge Media Design: Doctoral Level

Admissions to this collaborative specialization have been administratively suspended.

Minimum Admission Requirements

- Students wanting to apply to the collaborative specialization must be enrolled, or anticipate being enrolled, in a participating degree program. They must apply separately to the collaborative specialization and the home graduate unit.
- Please consult the KMDI website for application guidelines. Admission will be subject to the approval of the graduate unit concerned and the collaborative specialization committee.

Completion Requirements

- Students must meet all the requirements of their home program.
- Students must successfully complete a total of **1.5 full-course equivalents (FCEs)**:

- KMD1001H *Theory and Methods in Knowledge Media Design* and KMD1002H *Applications in Knowledge Media*, if not already taken in the master's program, and
- 0.5 FCE from the KMD series or a list of recognized affiliate courses.
- Students must attend four KMDI Speaker Series Lectures during one academic year of their degree program. Attendance will be monitored and appear on the transcript as KMD2200Y *Doctoral Seminar*.
- Students must submit a portfolio that includes completed student coursework and research in knowledge media design. The collaborative specialization committee will review all portfolios for their quality and contribution to the area of knowledge media design. Students' portfolios will most often be connected with one or more chapters of their dissertation.
- The dissertation topic must be in the area of knowledge media design. The thesis advisor and at least one other committee member must be from participating graduate units.
- The home graduate unit and the student's supervising committee will determine further requirements. The participating graduate units cooperate in jointly developing a program that is tailored to meet the needs of each student.

Knowledge Media Design: Courses

For courses offered in a particular year, check the Knowledge Media Design website.

Knowledge Media Design

Required

KMD1001H, KMD1002H (offered once every two years), KMD2100Y, KMD2200Y

Electives

KMD3000H

Participating Graduate Unit Electives

Not all courses are offered every year. Please consult the KMD website for a full list of eligible electives that meet the KMD collaborative specialization requirements. Courses that are mandatory for a student's degree from the home graduate unit cannot normally be counted. Some of the elective courses may require a significant amount of background knowledge and experience. Enrolment in such courses may require the permission of the instructor.

Architecture; Landscape Architecture; Urban Design; Visual Studies

LAN1021H, LAN1022H, LAN1031H, LAN1032H, URD1031H, URD1041H, VIS1010H, VIS1020H, VIS1101H

Computer Science

CSC2514H, CSC2526H, CSC2537H, CSC2552H, CSC2556H, CSC2720H

Curriculum and Pedagogy; Language and Literacies Education

CTL1602H, CTL1608H, CTL1609H, CTL1617H, CTL1926H

Drama, Theatre and Performance Studies

DRA3904H, DRA3908H

Information

INF1602H, INF2122H, INF2169H, INF2170H, INF2191H, INF2192H, INF2197H, INF2241H, INF2242H, INF2243H, INF2300H, INF2303H, INF2306H, INF2320H, INF2330H, INF2331H

Mechanical and Industrial Engineering

MIE1401H, MIE1402H

Museum Studies

MSL2000H, MSL2330H

Mediterranean Archaeology

Mediterranean Archaeology: Introduction

Lead Faculty of the Collaborative Specialization

Arts and Science

Participating Degree Programs

Anthropology — PhD
Art History — PhD
Classics — PhD
Near and Middle Eastern Civilizations — PhD
Religion — PhD

Supporting Units

Archaeology Centre

Overview

The Mediterranean Archaeology Collaborative Specialization (MACS) will expose students to the range of current approaches on the cutting-edge of Mediterranean archaeology. The Mediterranean offers unrivalled opportunities for exploring the complexities of economic, social, political, and religious change over centuries and millennia, across a vast area that is at once a coherent unit and a region with incredible diversity.

Students will be trained in the various methods required to undertake innovative research in the Mediterranean's varied prehistoric and historic contexts. Upon successful completion of the PhD requirements of the home graduate unit and the collaborative specialization, students will receive the notation "Completed Mediterranean Archaeology Collaborative Specialization" on their transcript.

Contact and Address

Web: macs.utoronto.ca
Email: archaeology@utoronto.ca
Telephone: (416) 978-5248
Fax: (416) 978-3217

Mediterranean Archaeology Collaborative Specialization
Archaeology Centre, University of Toronto
19 Russell Street
Toronto, Ontario M5S 2S2
Canada

Mediterranean Archaeology: Doctoral Level

Minimum Admission Requirements

- Applicants to the collaborative specialization must apply to and be admitted to both the collaborative specialization and a graduate degree program in one of the collaborating graduate units. Applicants must meet the admission requirements of the graduate unit in which they intend to enrol. Admission will be subject to the approval of the graduate unit concerned and the collaborative specialization committee.
- Students requesting admission to the collaborative specialization following admission to a degree program should contact the specialization committee in order to formalize their admission to MACS.

Completion Requirements

- **Coursework.** Students must complete **1.0 full-course equivalent (FCE)**: MAC1000Y *Methods in Mediterranean Archaeology*.
- **Fieldwork** (MAC2000H) four weeks of participation on an approved archaeological excavation, survey, or study season in the Mediterranean.
- **Thesis.** The topic must be in the area of Mediterranean archaeology, ancient history, or classical archaeology.

Mediterranean Archaeology: Courses

Core Courses

MAC1000Y, MAC2000H

Musculoskeletal Sciences

Musculoskeletal Sciences: Introduction

Lead Faculty of the Collaborative Specialization

Medicine

Participating Degree Programs

Biomedical Engineering — MSc, PhD
Dentistry — MSc, PhD
Kinesiology — MSc, PhD
Laboratory Medicine and Pathobiology — MSc, PhD
Medical Science — MSc, PhD
Pharmacology and Toxicology — MSc, PhD
Rehabilitation Science — MSc, PhD

Supporting Unit

Department of Laboratory Medicine and Pathobiology

Overview

There is an increasing burden of illness related to musculoskeletal disorders. The Collaborative Specialization in Musculoskeletal Sciences focuses on educating and training graduate students to carry out musculoskeletal research and helping them see how their work fits into the larger community of musculoskeletal research that ranges from bench to bedside to society.

The collaborative specialization nurtures leaders in the field of musculoskeletal sciences who possess the knowledge and capability to promote transformational change.

The University of Toronto has a cohort of stellar faculty with expertise in all related medical research disciplines, constituting one of the largest musculoskeletal research communities in the world. Research areas include immunology, cell biology, molecular medicine and genomics, muscle physiology, imaging, pathology, bioengineering, and related clinical areas such as orthopaedics, rheumatology, dentistry, kinesiology, rehabilitation, injury prevention, and pain management.

Advances in these areas are converging to allow major advances in translating research to musculoskeletal care and health. This collaborative specialization builds on this community to provide a unique education and training program.

Musculoskeletal Sciences interests graduate students wishing to enhance their interdisciplinary knowledge and advance their careers. Participation in this collaborative specialization enhances professional contacts throughout the international musculoskeletal research community. Upon successful completion of the degree requirements of the participating home graduate unit and the collaborative specialization, students will

receive the notation “Completed Collaborative Specialization in Musculoskeletal Sciences” on their transcript.

Contact and Address

Web: tmc.utoronto.ca
Email: msk.admin@utoronto.ca
Telephone: (416) 978-0841
Fax: (416) 978-6395

Collaborative Specialization in Musculoskeletal Sciences
Dr. Jane Mitchell
1 King's College Circle, Room 4342
Toronto, Ontario M5S 1A8
Canada

Musculoskeletal Sciences: Master's Level

Minimum Admission Requirements

- Applicants who wish to enrol in Musculoskeletal Sciences must apply to and be admitted to both a graduate degree program in one of the participating units and to the collaborative specialization. In addition to the application requirements of the home degree program, the collaborative specialization requires:
 - a curriculum vitae (CV)
 - a one-page letter explaining how the applicant's plan of study and specific research interests relate to musculoskeletal science
 - a letter of recommendation from a faculty member (if possible the thesis supervisor in a thesis-based graduate program), commenting on the applicant's academic abilities and likelihood for research success.

Completion Requirements

- Meet all requirements of the home degree program and the collaborative specialization.
- Complete the required core course: LMP1211H *Foundations In Musculoskeletal Science*.
- Attend and participate in 12 seminars of the SRM3335H *Master's Seminar Series — Compulsory Attendance*.
- Complete a thesis or major project or placement in the area of musculoskeletal sciences under the supervision of a collaborative specialization core faculty member.

Musculoskeletal Sciences: Doctoral Level

Minimum Admission Requirements

- Applicants who wish to enrol in Musculoskeletal Sciences must apply to and be admitted to both a graduate degree program in one of the collaborating units and to the collaborative specialization. In addition to the application requirements of the home degree program, the collaborative specialization requires:
 - a curriculum vitae (CV)

- one-page letter explaining how the applicant's plan of study and specific research interests relate to musculoskeletal science
- a letter of recommendation from a faculty member (usually the thesis supervisor in a thesis-based graduate program), commenting on the applicant's academic abilities and likelihood for research success at the doctoral level.

Completion Requirements

- Meet all requirements of the home degree program and collaborative specialization.
- Complete the required core course: LMP1211H *Foundations in Musculoskeletal Science*. Students who have completed LMP1211H at the master's level and who transfer to a doctoral degree and the doctoral level of the collaborative specialization are not required to complete an additional core course.
- Attend and participate in 18 seminars of the SRD4445H *Doctoral Seminar Series*. Students who transfer from a master's degree and master's collaborative specialization to a doctoral degree and the doctoral collaborative specialization will be required to attend 18 seminars in total; the total will include the number of seminars attended at both the master's and doctoral levels.
- Complete a thesis in the area of musculoskeletal sciences under the supervision of a collaborative specialization core faculty member.
- In the rare instance that a student who has completed the collaborative specialization at the master's level wishes to also enrol in the collaborative specialization at the doctoral level, the student will not be required to repeat the core course, LMP1211H. However, the student will be required to attend and participate in 18 seminars of the SRD4445H *Doctoral Seminar Series* and complete the doctoral thesis in the area under the supervision of a core faculty member.

Musculoskeletal Sciences: Courses

LMP1211H, SRM3335H, SRD4445H

Neuromodulation

14th Floor, Room 14MC413
Toronto, Ontario M5T 2S8

Neuromodulation: Introduction

Lead Faculty of the Collaborative Specialization

Faculty of Applied Science and Engineering

Participating Degree Programs

Biomedical Engineering — MAsC, PhD
Chemical Engineering and Applied Chemistry — MAsC, PhD
Electrical and Computer Engineering — MAsC, PhD
Materials Science and Engineering — MAsC, PhD
Mechanical and Industrial Engineering — MAsC, PhD
Medical Science — MSc, PhD

Supporting Units

University of Toronto CRANIA Neuromodulation Institute (CNMI);
Institute of Biomedical Engineering

Overview

The primary goal of the Collaborative Specialization in Neuromodulation is to introduce students to various neuromodulation modalities, provide students with the knowledge to be prepared for research or industrial endeavours in neuromodulation, and provide hands-on experience performing neuromodulation research.

Essentially, this specialization will train future researchers and clinicians alongside engineers and provide students with cross-disciplinary exposure to the various aspects of neuromodulation-based therapeutic innovation.

The collaborative specialization is open to master's and PhD students in the participating graduate degree programs listed above. Upon successful completion of the degree requirements of the home graduate unit and the collaborative specialization, students will receive the notation "Completed Collaborative Specialization in Neuromodulation" on their transcript.

Contact and Address

Web: www.engineering.utoronto.ca/research-innovation/research-institutes-and-centres/crania-neuromodulation-institute-cnmi
Email: info.cnmi@utoronto.ca

Suhail Asrar, Manager
CRANIA NeuroModulation Institute (CNMI)
Toronto Western Hospital
399 Bathurst Street, McLaughlin Wing

Neuromodulation: Master's Level

Minimum Admission Requirements

- Applicants must meet the admission requirements of both the home graduate unit and the collaborative specialization (CS).
- Applicants must apply to and be admitted to both the CS and a participating master's degree program.

Completion Requirements

- The thesis topic must be in the neurotechnology/neuromodulation area. Participating students are encouraged to have a co-supervisor or a member of their supervisory committee with research expertise in an area of study different from their home department.
- The course BME1500H *Topics in Neuromodulation* is mandatory for all students. Students must attend all lectures in the course and present a project for course evaluation.
- In addition, all master's-level students must complete at least 0.5 full-course equivalent (FCE) chosen from the list of courses approved by CNMI (see below for a complete list of approved elective courses).
- Students must attend the professional development workshops organized by CNMI as part of the CS.
- Participating students from graduate units in the Faculty of Applied Science and Engineering cannot count the modular (0.25 FCE) MSC courses that are not letter graded towards the total FCE requirements of their home program.
- Participating Institute of Medical Science students may double-count the courses taken as part of the CS towards their degree, except for some of the 0.25 FCE modular MSC courses, which are not letter graded. These students should consult with their graduate coordinator or the CNMI program coordinator to confirm this before opting for the modular elective courses.

Neuromodulation: Doctoral Level

Minimum Admission Requirements

- Applicants must meet the admission requirements of both the home graduate unit and the collaborative specialization (CS).
- Applicants must apply to and be admitted to both the CS and a participating doctoral degree program.
- Students who have already taken the CS during their master's degree program will not be eligible to take it again during their PhD.

Completion Requirements

- The thesis topic must be in the neurotechnology/neuromodulation area.

- Participating students are encouraged to have a co-supervisor or a member of their supervisory committee with research expertise in an area of study different from their home graduate unit.
- The course BME1500H *Topics in Neuromodulation* is mandatory for all students. Students must attend all lectures in the course and present a project for course evaluation.
- In addition, all doctoral-level students must complete at least 0.5 full-course equivalent (FCE) chosen from the list of courses approved by CNMI (see below for a complete list of approved elective courses).
- Students must attend the professional development workshops and seminars organized by CNMI as part of the CS.
- In addition, doctoral students must attend the Annual CRANIA Research Day every year and are encouraged to present their research work at least once.
- Participating students from graduate units in the Faculty of Applied Science and Engineering cannot count the modular (0.25 FCE) MSC courses that are not letter graded towards the total FCE requirements of their home program.
- Participating Institute of Medical Science students may double-count the courses taken as part of the CS towards their degree, except for some of the 0.25 FCE modular courses, which are not letter graded. These students should consult with their graduate coordinator or the CNMI program coordinator to confirm this before opting for the modular elective courses.

Mechanical and Industrial Engineering

MIE1080H, MIE1208H, MIE1232H, MIE1359H

Medical Science

MSC1006H, MSC1085H, MSC1087H, MSC1102H, MSC1104H, MSC1109H, MSC1113H

Neuromodulation: Courses

Required Course

BME1500H

Elective Courses

Biomedical Engineering

BME1466H, BME1472H, BME1473H, BME1802H, JEB1444H, JPB1071H

Chemical Engineering and Applied Chemistry

CHE1053H, CHE1333H, CHE1334H

Electrical and Computer Engineering

ECE516H1, ECE537H1, ECE1475H, ECE1647H, ECE1656H, ECE1774H, ECE1777H

Materials Science and Engineering

JMB1050H, MSE1038H

Neuroscience

Neuroscience: Introduction

Lead Faculty of the Collaborative Specialization

Medicine

Participating Degree Programs

Biochemistry — MSc, PhD
Bioethics — MHS
Biomedical Engineering — MASc, PhD
Cell and Systems Biology — MSc, PhD
Community Health — MScCH
Computer Science — MSc, PhD
Dentistry — MSc, PhD
Developmental Psychology and Education — MA, PhD
Immunology — PhD
Laboratory Medicine and Pathobiology — MSc, PhD
Medical Biophysics — MSc, PhD
Medical Science — MSc, PhD
Music — MA, PhD
Pharmaceutical Sciences — MSc, PhD
Pharmacology — MSc, PhD
Physiology — MSc, PhD
Psychology — MA, PhD
Public Health Sciences — MPH, MSc, PhD
Rehabilitation Science — MSc, PhD

Overview

The graduate programs listed above participate in the Collaborative Specialization in Neuroscience.

Participating graduate units contribute courses and provide facilities and supervision for graduate research. Students must follow a plan of studies acceptable to both the participating unit and the Neuroscience collaborative specialization. Upon successful completion of the degree requirements of the participating home graduate unit and the collaborative specialization, students will receive the notation "Completed Collaborative Specialization in Neuroscience" on their transcript. Students interested in joining the specialization should visit the Neuroscience website and complete the application form. Students should register within one month of initial registration in their participating degree unit. The Neuroscience website provides areas of research for all faculty in the collaborative specialization, their graduate unit affiliations and contact information, as well as additional information on neuroscience courses.

Students in the specialization receive the Neuroscience newsletter and notification about neuroscience lectures held on campus. The collaborative specialization runs a Distinguished Lectureship Series of talks by eminent neuroscientists and an annual research day; students are required to attend and present at this event.

Contact and Address

Web: www.neuroscience.utoronto.ca
Email: p.neuroscience@utoronto.ca
Telephone: (416) 978-8637

Collaborative Specialization in Neuroscience
University of Toronto
Room 3306, 1 King's College Circle
Toronto, ON M5S 1A8
Canada

Neuroscience: Master's Level

Minimum Admission Requirements

- Applicants who wish to enrol in the collaborative specialization must apply to and be admitted to both the collaborative specialization and a graduate degree program in one of the collaborating units.

Completion Requirements

- The thesis topic must be in the neuroscience area.
- The student's supervisor must be a core faculty member of the Collaborative Specialization in Neuroscience.
- All master's-level students must complete at least 0.5 full-course equivalent (FCE) chosen from the list of courses approved by the collaborative specialization.
- The student must attend and present their work as first author at the Annual Collaborative Specialization in Neuroscience Research Day at least once.
- The student must complete NEU1000H *Neuroscience Distinguished Lecture Series (Master's)* by attending at least 70% of the lectures in the CPIN Distinguished Lectureship Series (including the Julius Axelrod Distinguished Visiting Neuroscientist Lecture) or CPIN Emerging Leaders in Neuroscience Lecture Series, during one academic year (or a minimum of seven lectures in total over the program). As part of the seminar series, the student must present his/her work at least once at the CPIN Research Day.

Neuroscience: Doctoral Level

Minimum Admission Requirements

- Applicants who wish to enrol in the collaborative specialization must apply to and be admitted to both the collaborative specialization and a graduate degree program in one of the collaborating units.

Completion Requirements

- The thesis topic must be in the neuroscience area.

- The student's supervisor must be a core faculty member of the Collaborative Specialization in Neuroscience.
- All PhD students must complete at least 1.0 full-course equivalent (FCE) course, such as JNR1444Y *Fundamentals of Neuroscience: Cellular and Molecular*, or JNS1000Y *Fundamentals of Neuroscience: Systems and Behaviour*, or one of several additional courses in cognitive psychology or imaging, or neuroscience-related course to be determined by the collaborative specialization committee and posted on the Neuroscience website in July of each year.
- The student must attend and present their work as first author at the Annual Collaborative Specialization in Neuroscience Research Day at least twice.
- The student must complete NEU2000H *Neuroscience Distinguished Lecture Series (Doctoral)* by attending at least 70% of the lectures in the CPIN Distinguished Lectureship Series (including the Julius Axelrod Distinguished Visiting Neuroscientist Lecture) or CPIN Emerging Leaders in Neuroscience Lecture Series, during three academic years (or a minimum of 21 lectures in total over the program). As part of the seminar series, the student must present his/her work at least twice at the CPIN Research Day.
- MSc or MA students who have completed the Neuroscience specialization and who wish to continue on to complete at the doctoral level must register in NEU2000H *Neuroscience Distinguished Lecture Series (Doctoral)* and fulfil the doctoral requirements.

Neuroscience: Courses

Neuroscience courses offered by the participating units are listed below. Not all courses are offered each year.

APD3286H, CSC2506H, CSC2515H, CSC2545H, DEN1009H, DEN1060H, JEB1444H, JNP1017H, JNP1018H, JNR1444Y, JNS1000Y, JPB1071H, JYG1555H, LMP1209H, MSC1006H, MSC1081H, MSC1085H, MSC1087H, MSC6000H, MUS7110H, NEU1000H, NEU2000H, PCL3100H, PCL3101H, PSL1026H, PSL1047H, PSL1050H, PSL1053H, PSL1068H, PSL1075H, PSL1441H, PSL1445H, PSL1446H, PSL1452H, PSY1200H, PSY5101H, PSY5110H, PSY5111H, PSY5112H, PSY5120H, PSY5121H, PSY5130H, PSY5201H, PSY5203H, PSY5204H, PSY5205H, PSY5210H, PSY5211H, PSY5212H, PSY5220H, PSY5221H, PSY5222H, PSY5310H, PSY5311H, REH1510H, REH5100H

Other Courses

Courses not specifically in neuroscience which do not fulfil the requirements as neuroscience courses but might be useful for neuroscience students.

JDB1025H, SLP1522Y, SLP1533Y

Next-Generation Precision Medicine

Next-Generation Precision Medicine: Introduction

Lead Faculty of the Collaborative Specialization

Pharmacy

Participating Degree Programs

Chemistry — PhD
Chemical Engineering and Applied Chemistry — PhD
Molecular Genetics — PhD
Pharmaceutical Sciences — PhD

Supporting Units

Graduate Department of Pharmaceutical Sciences;
Precision Medicine Initiative at U of T (PRiME)

Overview

The graduate programs listed above participate in the doctoral Collaborative Specialization (CS) in Next-Generation Precision Medicine, which offers the opportunity for cross-disciplinary research leading to doctoral degrees.

This CS is designed to foster cross-disciplinary training and collaboration across diverse departments at the University. The academic research focus is on cutting-edge technologies and methods to develop novel therapeutic strategies, create new tools for disease diagnosis, and enable a deeper understanding of disease biology through integration of principles and methods across the physical and life sciences and engineering.

Future advances in precision medicine will require a multidisciplinary perspective and creative solutions beyond conventional genomics and mutational profiling. This CS aims to equip researchers with novel approaches to address unmet human health challenges by providing an understanding of commercialization and translation activities that will help advance research discoveries into impactful outcomes.

Upon successful completion of the PhD degree requirements of the participating home graduate unit and the CS, students will receive the notation “Completed Collaborative Specialization in Next-Generation Precision Medicine” on their transcript.

Contact and Address

Web: www.education.prime.utoronto.ca
Email: prime.education@utoronto.ca
Telephone: (416) 978-5516

Collaborative Specialization in Next-Generation Precision Medicine
144 College Street, room 904
Toronto, Ontario M5S 3M2
Canada

Next-Generation Precision Medicine: Doctoral Level

Minimum Admission Requirements

- Applicants must meet the admission requirements of both the home graduate unit and the collaborative specialization (CS).
- Applicants must apply to and be admitted to both the CS and a participating doctoral degree program.
- Applicants must be supervised by a core faculty member of the CS and are encouraged to have a co-supervisor or a member of their supervisory committee with research expertise in a different field of study.
- Applicants must have a thesis project focused on drug discovery, diagnostic development, or another topic related to next-generation precision medicine.

Completion Requirements

- Students must meet the degree requirements of the School of Graduate Studies, the participating home graduate program, and the collaborative specialization.
- The student's thesis in their home program must be in the area of next-generation precision medicine.
- The plan of study will include at least **1.0 full-course equivalent (FCE)** (combined course modules and seminar course as described below):
 - Students must complete PHM1500H *Next-Generation Precision Medicine Seminar Series*, offered through the Graduate Department of Pharmaceutical Sciences.
 - Course modules (0.25 or 0.5 FCE each) will be offered through the CS and participating departments. Students must take any (one or two) of the modules recognized by the CS for a total of 0.5 FCE.

Next-Generation Precision Medicine: Courses

Required Course

PHM1500H

Modular Courses

CHE1125H, CHE1134H, CHE1333H, CHE1334H, CHE1450H,
CHE1471H, CHM1056H, JTC1331H, LMP2342H, LMP2343H,
LMP2345H, LMP2346H, LMP2347H, MMG1324H, MMG3204H,
MMG3205H, PHM2101H

Psychology, Psychiatry and Engineering

Psychology, Psychiatry and Engineering: Introduction

Lead Faculty of the Collaborative Specialization

Applied Science and Engineering

Participating Degree Programs

Aerospace Science and Engineering — MSc, PhD
Civil Engineering — MSc, PhD
Electrical and Computer Engineering — MSc, PhD
Mechanical and Industrial Engineering — MSc, PhD
Medical Science — MSc, PhD
Psychology — MA, PhD

Supporting Units

Department of Mechanical and Industrial Engineering

Overview

The Collaborative Master's and Doctoral Specialization in Psychology, Psychiatry and Engineering (PsychEng) includes participating programs offered by the Departments of Mechanical and Industrial Engineering, Civil and Mineral Engineering, Electrical and Computer Engineering and the University of Toronto Institute of Aerospace Studies in the Faculty of Applied Science and Engineering, the Department of Psychology in the Faculty of Arts and Science, and the Institute of Medical Science in the Temerty Faculty of Medicine.

Engineering involves the creative application of science to the design of systems, processes, structures, and technologies. Psychology is a science that focuses on the mind and behaviour of people and animals to understand individuals and groups across all levels of analyses, from the cellular to the cultural. Psychiatry the study and treatment of mental illness, emotional disturbance, and abnormal behaviour.

The Psychology, Psychiatry and Engineering collaborative specialization supports graduate students and faculty interested in contributing to the growing interdisciplinary scholarship at the nexus of psychology, psychiatry, and engineering. Fields of study that may benefit from this collaborative specialization include, but are not limited to: human factors, design theory and methodology, artificial intelligence and information engineering, mental health, operations research, and robotics. This specialization strengthens ties between the three Faculties, and may propel research of interest to both beyond what is possible individually.

Upon successful completion of the master's and/or doctoral degree requirements of the participating home graduate unit and the collaborative specialization, students will receive the notation "Completed Collaborative Specialization in Psychology, Psychiatry and Engineering" on their transcript.

Contact and Address

Web: gradstudies.engineering.utoronto.ca/collaborative-specialization-psychology-engineering-psycheng
Email: psych_eng@mie.utoronto.ca
Telephone: (416) 946-3028
Fax: (416) 978-7753

Collaborative Specialization in Psychology, Psychiatry and Engineering
Department of Mechanical and Industrial Engineering
University of Toronto
5 King's College Road
Toronto, Ontario M5S 3G8
Canada

Psychology, Psychiatry and Engineering: Master's Level

Minimum Admission Requirements

- Applicants who wish to enrol in the collaborative specialization must apply to and be admitted to both the collaborative specialization and a graduate degree program in one of the collaborating graduate units.
- Applicants must provide:
 - A statement of purpose that describes background experience relating to psychology, psychiatry, and engineering, and motivation for pursuing studies in PsychEng. Complete the online registration form.
 - A supervisor's letter of recommendation in support of the student's application to PsychEng.

Completion Requirements

- Two sessions of APS1305H *PsychEng Seminar Series* — Master's Level.
- Two PsychEng elective half courses (1.0 FCE). One of the courses must be from the other discipline. Students from one discipline (psychology, psychiatry, or engineering) should first consult with the instructor before registering for a course in the other discipline to ensure adequate fit in terms of interest and preparation. Psychology and Medical Science students must complete at least one graduate course in Engineering, and Engineering students must complete at least one graduate course in either Psychology or Medical Science.
- A thesis focused on a topic in the area of the collaborative specialization.
- All students enrolled in the collaborative specialization must complete the requirements of the collaborative specialization, in addition to those requirements for the degree program in their home graduate unit. The collaborative specialization director and/or specialization committee is/are responsible

for certifying the completion of the collaborative specialization requirements. The home graduate unit is solely responsible for the approval of the student's home degree requirements.

Psychology, Psychiatry and Engineering: Doctoral Level

Minimum Admission Requirements

- Applicants who wish to enrol in the collaborative specialization must apply to and be admitted to a doctoral-level graduate degree program in one of the collaborating graduate units.
- Applicants must provide:
 - A statement of purpose that describes the applicant's background experience relating to psychology, psychiatry, and engineering, and motivation for pursuing studies in PsychEng. Complete the online registration form.
 - A supervisor's letter of recommendation in support of the student's application to PsychEng.

Completion Requirements

- Two sessions of APS1308H *PsychEng Seminar Series — PhD Level*.
- Two PsychEng elective half courses (1.0 FCE). One of the courses must be from the other discipline. Students from one discipline (psychology, psychiatry, or engineering) should first consult with the instructor before registering for a course in the other discipline to ensure adequate fit in terms of interest and preparation. Psychology and Medical Science students must complete at least one graduate course in Engineering, and Engineering students must complete at least one graduate course in either Psychology or Medical Science.
- A thesis focused on a topic in the area of the collaborative specialization.
- Students who have completed the PsychEng collaborative specialization at the master's level must take the core seminar course at the PhD level, which requires a higher level of participation; i.e., present more frequently and/or take a leadership role in seminar activities such as the discussion of research papers. Students take two further (different) PsychEng electives during their doctoral program, and their research will be at a level appropriate to a PhD degree.
- All students enrolled in the collaborative specialization must complete the requirements of the collaborative specialization, in addition to those requirements for the degree program in their home graduate unit. The collaborative specialization director and/or specialization committee is/are responsible for certifying the completion of the collaborative specialization requirements. The home graduate unit is solely responsible for the approval of the student's home degree requirements.

Psychology, Psychiatry and Engineering: Courses

Core Courses

APS1305H, APS1308Y

Elective Courses

Aerospace Studies

AER1601H

Civil Engineering

CIV1320H

Electrical and Computer Engineering

ECE1774H, ECE1778H, JEB1444H

Mechanical and Industrial Engineering

MIE1070H, MIE1402H, MIE1403H, MIE1412H, MIE1415H, MIE1444H, MIE1505H, MIE1510H, MIE1720H

Medical Science

MSC1006H, MSC1085H, MSC1087H, MSC1089H, MSC6000H

Psychology

PSY1000H

Department of Psychology courses offered in the 5000 series; contact the department for exclusions.

Public Health Policy

Public Health Policy: Introduction

Admissions have been administratively suspended. This collaborative specialization will close on August 31, 2029.

Lead Faculty of the Collaborative Specialization

Public Health

Participating Degree Programs

Global Affairs — MGA
Health Administration — MHSc
Health Policy, Management and Evaluation — MSc, PhD
Kinesiology — MSc, PhD
Nutritional Sciences — MSc, PhD
Public Health Sciences — MPH, MSc, PhD
Public Policy — MPP
Social Work — MSW, PhD

Supporting Units

Dalla Lana School of Public Health

Overview

The Collaborative Specialization in Public Health Policy provides students with exemplary training in public health policy, which fosters synergies and cross-disciplinary learning. It gives students the capacity to engage in current events and contribute to the development, refinement, and evaluation of policies to address society's pressing and emerging public health priorities.

The collaborative specialization is cross-disciplinary, bringing together a broad range of disciplines, substantive foci, and theoretical and methodological underpinnings, to synergistically build an engaged community of practice of students and faculty focused on public health policy. It contributes to the creation of the next generation of public health policy research leaders and creative agents for change, able to address current health issues and challenges.

Through the direction of the stellar team of academics and policy-makers associated with the collaborative specialization, students are provided with real-world skills to address the complex and demanding task of public health policy-making (including insight into a wide array of legislative and regulatory interventions, administrative practices, financing and funding decisions, and various forms of soft law, such as guidelines and informal processes) which operate at the international, federal, provincial, and municipal levels in ways that are both cross-jurisdictional and cross-sectoral.

Upon successful completion of the degree requirements of the participating home graduate unit and the collaborative specialization, students will receive the notation "Completed Collaborative Specialization in Public Health Policy" on their transcript.

Contact and Address

Web: www.dlsph.utoronto.ca/program/collaborative-specialization-in-public-health-policy/
Email: publichealthpolicy@utoronto.ca
Telephone: (416) 978-6512
Fax: (416) 946-0340

Collaborative Specialization in Public Health Policy
University of Toronto
Suite 534, 155 College Street
Toronto, Ontario M5T 3M7 Canada

Public Health Policy: Master's Level

Admissions have been administratively suspended.

Minimum Admission Requirements

- Applicants who wish to enrol in the collaborative specialization must apply to and be admitted to both the collaborative specialization and a graduate degree program in one of the collaborating graduate units.
- Complete the application form available on the website.
- Curriculum vitae (CV); maximum length: five pages.
- Two-page, free-form essay outlining:
 - interest in public health policy
 - aspirations
 - learning goals
 - career plans
 - specific research plans (if in a research program of study)
 - experience relevant to public health policy.
- Letters from two references. The letters of reference should describe the student's academic ability and career aspirations and comment on the student's potential benefit from the collaborative specialization.

Completion Requirements

- Individual student plans of study must meet the requirements of both the home graduate unit and the collaborative specialization. To fulfil the requirements of the collaborative specialization, students must complete the following:
 - Undertake the major paper, thesis, or practicum placement with a public health policy focus under the supervision of one of the collaborative specialization's core faculty members.
 - Complete 1.0 full-course equivalent (FCE) in public health policy from the following list: CHL5300H *Public Health Policy*, CHL5308H *Tools and Approaches for Public Health Policy Analysis and Evaluation*, HAD5011H *Canada's Health Care System*, or PPG2000H *Politics and the Policy Process*.
 - Complete the *Master's Seminar Series* course, SRM3333H.

- All students enrolled in the collaborative specialization must complete the requirements of the collaborative specialization, in addition to those requirements for the degree program in their home graduate unit.

Public Health Policy: Courses

CHL5300H, CHL5308H, CHL5309H, HAD5011H, PPG2000H, SRM3333H

Public Health Policy: Doctoral Level

Admissions have been administratively suspended.

Minimum Admission Requirements

- Applicants who wish to enrol in the collaborative specialization must apply to and be admitted to both the collaborative specialization and a graduate degree program in one of the collaborating graduate units.
- Complete the application form available on the website.
- Curriculum vitae (CV); maximum length: five pages.
- Two-page, free-form essay outlining:
 - interest in public health policy
 - aspirations
 - learning goals
 - career plans
 - specific research plans
 - experience relevant to public health policy.
- Letters from two references. One letter should come from the prospective supervisor and should describe availability of resources necessary to carry out research, including the type of mentoring the supervisor will be able to provide, comments on academic progress, and the student's potential benefit from the collaborative specialization.

Completion Requirements

- Individual student plans of study must meet the requirements of both the home graduate unit and the collaborative specialization.
- To fulfil the requirements of the collaborative specialization, students must complete the following:
 - Undertake thesis research with a public health policy focus under the supervision of one of the collaborative specialization's core faculty members.
 - Complete 1.0 full-course equivalent (FCE) in public health policy from the following list: CHL5300H *Public Health Policy*, CHL5308H *Tools and Approaches for Public Health Policy Analysis and Evaluation*, HAD5011H *Canada's Health Care System*, or PPG2000H *Politics and the Policy Process*. Students who have completed two of the four courses listed above may be considered for a course reduction of up to 1.0 FCE in the PhD program.
 - Completion of the graduate seminar series course CHL5309H.
- All students enrolled in the collaborative specialization must complete the requirements of the collaborative specialization, in addition to those requirements for the degree program in their home graduate unit.

Resuscitation Sciences

Resuscitation Sciences: Introduction

Admissions to the collaborative specialization in Resuscitation Sciences have been administratively suspended.

Lead Faculty of the Collaborative Specialization

Medicine

Participating Degree Programs

Biomedical Engineering — PhD
Community Health — MScCH
Health Policy, Management and Evaluation — MSc, PhD
Immunology — MSc, PhD
Laboratory Medicine and Pathobiology — MSc, PhD
Mechanical and Industrial Engineering — MAsC, MEng, PhD
Medical Science — MSc, PhD
Nursing Science — MN, PhD
Pharmacology — MSc, PhD
Physiology — MSc, PhD
Public Health Sciences — MPH, MSc, PhD
Rehabilitation Science — MSc, PhD

Overview

The goal of the Collaborative Specialization in Resuscitation Sciences is to train scientists pursuing research in the optimal care of the acutely ill and injured patient and, ultimately, to create leaders in the discipline who will supervise others providing this level of scientific inquiry. The collaborative specialization appeals to students from a wide variety of backgrounds with an interest in any aspect of resuscitation science.

Resuscitation Sciences includes a number of medical areas such as trauma, critical care, emergency medicine, neurotrauma, anaesthesia, shock, sepsis, acute coronary syndrome, paediatric care, cardiovascular, peripheral vascular, and rehabilitation medicine. Many non-medicine disciplines such as engineering, basic science, and public health, as well as allied health professions such as nursing, pharmacy, and paramedicine, will find synergies in the Resuscitation Sciences specialization. Research programs can use methodologies ranging from molecular medicine and genomics through clinical trials and outcomes to engineering, health administration, and health prevention strategies. Resultant advances in knowledge will ultimately be applied to the clinical setting.

Interested students must first apply to and be accepted in one of the participating degree programs listed above, and then apply to the collaborative specialization. Students must follow a course of study acceptable to both the home unit and the collaborative specialization. Upon successful completion of the degree requirements of the participating home graduate unit and the

collaborative specialization, students will receive the notation "Completed Collaborative Specialization in Resuscitation Sciences" on their transcript.

Contact and Address

Web: www.resuscitationscience.ca
Email: csrsinfo@smh.ca
Telephone: (416) 864-6060 ext. 7843
Fax: (416) 864-5934

Collaborative Specialization in Resuscitation Sciences
c/o Rescu, St. Michael's Hospital
30 Bond Street
Toronto, Ontario M5B 1W8 Canada

Resuscitation Sciences: Master's Level

Admissions to the collaborative specialization in Resuscitation Sciences have been administratively suspended.

Minimum Admission Requirements

- Collaborative specializations are administered under the auspices of the School of Graduate Studies.
- Applicants must be accepted for admission to a participating graduate unit and comply with the admission procedures of that unit before applying to the Collaborative Specialization in Resuscitation Sciences.
- Applicants must submit the following to the collaborative specialization committee:
 - a resumé or curriculum vitae (CV)
 - a personal statement explaining how their course of study and specific research interests relate to resuscitation science
 - a letter of recommendation from a faculty member, usually the thesis supervisor in a thesis-based graduate program, commenting on the student's academic abilities and likelihood for research success in the field of resuscitation sciences.

Completion Requirements

- Students must register in the master's degree program through one of the participating home graduate units. They must meet all respective degree requirements of the School of Graduate Studies and their participating home graduate unit.
- In addition to meeting the home graduate unit program requirements, students will be required to:
 - take the core course MSC4001H *Foundations in Resuscitation Science Research*
 - attend at least 75% of the SRM3333H *Resuscitation Sciences Graduate Seminar Series* over two consecutive sessions
 - complete a thesis, comprehensive paper, or practicum (whichever is included in their course of study) in the area of resuscitation sciences under the supervision of a faculty member affiliated with the collaborative specialization

- present their research at least once at either the Resuscitation in Motion scientific meeting or in the Foundations MSC4001H core course.

Resuscitation Sciences: Doctoral Level

Admissions to the collaborative specialization in Resuscitation Sciences have been administratively suspended.

Minimum Admission Requirements

- Collaborative specializations are administered under the auspices of the School of Graduate Studies.
- Applicants must be accepted for admission to a participating graduate unit and comply with the admission procedures of that unit before applying to the Collaborative Specialization in Resuscitation Sciences.
- Applicants must submit the following to the collaborative specialization committee:
 - a resumé or curriculum vitae (CV)
 - a personal statement explaining how their course of study and specific research interests relate to resuscitation science
 - a letter of recommendation from a faculty member, usually the thesis supervisor in a thesis-based graduate program, commenting on the student's academic abilities, and likelihood for research success in the field of resuscitation sciences.

Completion Requirements

- Students must register in the degree program through one of the participating home graduate units. They must meet all respective degree requirements of the School of Graduate Studies and their participating home graduate unit.
- In addition to meeting the home graduate unit program requirements, students will be required to:
 - take the core course MSC4001H *Foundations in Resuscitation Science Research* (doctoral students who have already taken this course as part of their master's program will be exempted)
 - take MSC4002H *Advanced Topics in Resuscitation Science Research*, a type 2 graduate seminar series
 - complete a thesis in the area of resuscitation sciences
 - attend at least 75% of the SRD4444H *Resuscitation Sciences Graduate Seminar Series* over two consecutive years
 - present their research at least twice at either the Resuscitation in Motion scientific meeting or in the Foundations MSC4001H core course.

Resuscitation Sciences: Courses

MSC4001H, MSC4002H (PhD students only), SRM3333H (master's level), SRD4444H (doctoral level)

Robotics

Robotics: Introduction

Lead Faculty of the Collaborative Specialization

Faculty of Applied Science and Engineering

Participating Degree Programs

Aerospace Science and Engineering — MSc, PhD
Biomedical Engineering — MSc, PhD
Computer Science — MSc, PhD
Electrical and Computer Engineering — MSc, PhD
Mechanical and Industrial Engineering — MSc, PhD
Rehabilitation Science — MSc, PhD

Supporting Units

University of Toronto Institute for Aerospace Studies
University of Toronto Robotics Institute

Overview

The graduate programs listed above participate in the Collaborative Specialization (CS) in Robotics, which aims at building a structured community of practice that combines engineering and computer science approaches to robotics.

The CS in Robotics is designed to foster cross-disciplinary training and collaboration across diverse departments at the University. Upon successful completion of the degree requirements of the participating home graduate unit and the CS, students will receive the notation “Completed Collaborative Specialization in Robotics” on their transcript.

Contact and Address

Web: robotics.utoronto.ca
Email: robotics@utoronto.ca

Timothy Barfoot
Collaboration Specialization in Robotics
University of Toronto Robotics Institute
Myhal Centre for Engineering Innovation and Entrepreneurship
55 St. George Street
Toronto, Ontario M5S 1A4 Canada

Robotics: Master's Level

Minimum Admission Requirements

- Applicants must meet the admission requirements of both the home graduate unit and the collaborative specialization (CS).
- Applicants must apply to and be admitted to both the CS and a participating research-stream master's degree program.
- Applicants must be supervised by a core faculty member of the CS.

Completion Requirements

- Students must meet the degree requirements of the School of Graduate Studies, the participating home graduate program, and the CS.
- The student's thesis in their home graduate program must be in the area of robotics.
- The plan of study will include **at least 0.5 full-course equivalent (FCE)**:
 - Courses will be offered through the CS and participating graduate units. Students must take one half course recognized by the CS to total 0.5 FCE.
 - Students must complete ROB1830Y *Robotics Seminar Series* in addition to their home program requirement; it is offered through the University of Toronto Institute for Aerospace Studies.

Robotics: Doctoral Level

Minimum Admission Requirements

- Applicants must meet the admission requirements of both the home graduate unit and the collaborative specialization (CS).
- Applicants must apply to and be admitted to both the CS and a participating doctoral degree program.
- Applicants must be supervised by a core faculty member of the CS.
- Students who have completed the CS at the master's level are not eligible to take it during their PhD program.

Completion Requirements

- Students must meet the degree requirements of the School of Graduate Studies, the participating home graduate program, and the CS.
- The student's thesis in their home graduate program must be in the area of robotics.
- The plan of study will include **at least 0.5 full-course equivalent (FCE)**:
 - Courses will be offered through the CS and participating graduate units. Students must complete one half course recognized by the CS to total 0.5 FCE.
 - Students must complete ROB1830Y *Robotics Seminar Series* in addition to their home program requirement; it is offered through the University of Toronto Institute for Aerospace Studies.

Robotics: Courses

Required Course

ROB1830Y

Elective Courses

Group 1: Planning and Control

AER1516H, AER1517H, ECE557H1, ECE1635H, ECE1636H,
ECE1647H, ECE1653H, ECE1657H, MIE1064H

Group 2: Perception and Learning

AER1513H, AER1515H, CSC2503H, CSC2506H, CSC2515H,
CSC2541H, ECE516H1, ECE1511H, ECE1512H, JEB1433H,
ROB501H1

Group 3: Modelling and Dynamics

AER506H1, AER1503H, AER1512H, JEB1444H, MIE1001H

Group 4: Systems Design and Integration

AER525H1, AER1216H, AER1217H, CSC2621H, MIE505H1,
MIE506H1, MIE1070H, MIE1075H, MIE1076H, MIE1080H,
MIE1809H, REH2000H, ROB521H1, ROB1514H

Sexual Diversity Studies

Sexual Diversity Studies: Introduction

Lead Faculty of the Collaborative Specialization

Arts and Science

Participating Degree Programs

Adult Education and Community Development — MA, MEd, PhD
Anthropology — MA, MSc, PhD
Art History — MA, PhD
Cinema Studies — MA
Classics — MA, PhD
Comparative Literature — MA, PhD
Counselling and Clinical Psychology — MA, PhD
Counselling Psychology — MEd, EdD
Criminology and Sociolegal Studies — MA, PhD
Curriculum and Pedagogy — MA, MEd, PhD
Drama, Theatre and Performance Studies — MA, PhD
East Asian Studies — MA, PhD
Educational Leadership and Policy — MA, MEd, EdD, PhD
English — MA, PhD
French Language and Literature — MA, PhD
Geography — MA, PhD
Higher Education — MA, MEd, EdD, PhD
History — MA, PhD
History and Philosophy of Science and Technology — MA, PhD
Immunology — PhD
Information — MI, PhD
Italian Studies — MA, PhD
Kinesiology — MSc, PhD
Law — LL.M, MSL, SJD
Linguistics — MA, PhD
Medieval Studies — MA, PhD
Museum Studies — MMSt
Music — MA, PhD
Near and Middle Eastern Civilizations — MA, PhD
Philosophy — MA, PhD
Political Science — MA, PhD
Psychology — MA, PhD
Public Health Sciences — MPH, MSc, PhD
Public Policy — MPP
Religion — MA, PhD
Slavic Languages and Literatures — MA, PhD
Social Justice Education — MA, MEd, EdD, PhD
Social Work — MSW, PhD
Sociology — MA, PhD
Sustainability Management — MScSM
Visual Studies — MVS
Women and Gender Studies — MA, PhD

Supporting Unit

Mark S. Bonham Centre for Sexual Diversity Studies

Overview

The interdisciplinary Collaborative Specialization (CS) in Sexual Diversity Studies (SDS), offered by the Mark S. Bonham Centre for Sexual Diversity Studies, is designed to bring together students from a variety of academic fields based on their common research interests in queer, trans, and sexuality studies. The CS provides students with the analytical competencies needed to pursue sexuality studies research through an intersectional lens by fostering critical conversations and analyses of queer, trans, and gender non-conforming lived experience at the intersections of race, class, gender, empire, migration, disability, citizenship status, and the legacies of settler colonialism. During their time in the CS, SDS students gain a distinctive approach to the materials of their home subject and become part of a diverse community of scholars through public lectures, student-focused workshops, and intellectual exchange among members of the Bonham Centre.

The graduate degree programs listed above participate in the CS. From their home graduate units, students take up questions from their own disciplinary or programmatic perspective and explore it through the theoretical and methodological lens of queer, trans, and sexuality studies. Upon successful completion of the degree requirements of the participating home graduate unit and the CS, students will receive the notation “Completed Collaborative Specialization in Sexual Diversity Studies” on their transcript.

Contact and Address

Web: sds.utoronto.ca
Email: sexual.diversity@utoronto.ca
Telephone: (416) 978-6276 for general inquiries
Fax: (416) 971-2027

Director, Sexual Diversity Studies Collaborative Specialization
Mark S. Bonham Centre for Sexual Diversity Studies
University of Toronto
Room 251, University College
15 King's College Circle
Toronto, Ontario M5S 3H7 Canada

Sexual Diversity Studies: Master's Level

Minimum Admission Requirements

- Each graduate student in the collaborative specialization shall be enrolled in a participating degree program in the graduate unit where the research is conducted, which is known as the home graduate unit. The student shall meet the admission requirements of both the home graduate unit and the collaborative specialization.

Completion Requirements

- Students must meet all respective degree requirements of the School of Graduate Studies and the participating graduate unit, and meet the requirements of the collaborative specialization as follows:

- 0.5 full-course equivalent (FCE) core course in Sexual Diversity Studies (SDS1000H)
- 0.5 FCE in other courses with substantial treatment of sexual diversity
- thesis or major research paper (if applicable) must be on a sexual diversity studies topic.
- Courses may be counted towards the 0.5 FCE beyond the core course if a significant portion of the course addresses questions related to sexuality, or if most of the session work completed in association with it explores such questions.
- All course selection for the additional 0.5 FCE must be approved by the collaborative specialization director.

Sexual Diversity Studies: Doctoral Level

Minimum Admission Requirements

- Each graduate student in the collaborative specialization shall be enrolled in a participating degree program in the graduate unit where the research is conducted, which is known as the home graduate unit. The student shall meet the admission requirements of both the home graduate unit and the collaborative specialization.

Completion Requirements

- Students must meet all respective degree requirements of the School of Graduate Studies and the participating graduate unit; and meet the requirements of the collaborative specialization as follows:
 - 0.5 FCE core course in Sexual Diversity Studies (SDS1000H)
 - 0.5 FCE in other courses with substantial treatment of sexual diversity
 - thesis or major research paper (if applicable) must be on a sexual diversity studies topic.
- Doctoral students in the program who have completed the collaborative specialization at the master's level will not be required to repeat SDS1000H. All course selection for the additional 0.5 FCE must be approved by the collaborative specialization director.
- The doctoral thesis committee should include at least one faculty member associated with Sexual Diversity Studies. In most cases, the supervisor would be associated with Sexual Diversity Studies, though in some cases, the student's particular analytical perspective will suggest another faculty member in her or his discipline.
- The student's course of study and overall progress will be reviewed annually by the collaborative specialization director, though ultimate responsibility for the student's progress will remain with the graduate chair of the home program.

Sexual Diversity Studies: Courses

SDS1000H, SDS1999H

South Asian Studies

South Asian Studies: Introduction

Lead Faculty of the Collaborative Specialization

Arts and Science

Participating Degree Programs

Anthropology — MA, MSc, PhD
Comparative Literature — MA, PhD
Drama, Theatre and Performance Studies — MA, PhD
East Asian Studies — MA, PhD
English — MA, PhD
Geography — MA, PhD
History — MA, PhD
Music — MA, PhD
Political Science — PhD
Religion — MA, PhD
Social Justice Education — MA, MEd, EdD, PhD
Women and Gender Studies — MA, PhD

Overview

The interdisciplinary Collaborative Master's and Doctoral Specialization in South Asian Studies is designed for students who wish to acquire a nuanced understanding of South Asia as a secondary area of specialization while pursuing graduate studies in another discipline. The focus of South Asian Studies is necessarily broad in that it provides students with an understanding of ancient and modern history, social change, economic development, contemporary politics, religious traditions, literary culture, and a spectrum of related topics.

The Centre for South Asian Studies, which administers the collaborative specialization, provides a nucleus for the participation of South Asian Studies scholars from across the University. Students will benefit from the physical presence of the centre and its regular activities of research fora, conferences, and visiting lecturer and scholar programs. In addition, the University's library collection in South Asian studies is the largest in Canada.

Master's and doctoral students wishing to be admitted to the collaborative specialization must apply to one of the participating graduate programs.

Upon successful completion of the degree requirements of the participating home graduate unit and the collaborative specialization, students will receive the notation "Completed Collaborative Specialization in South Asian Studies" on their transcript.

Contact and Address

Web: munkschool.utoronto.ca/ai/collaborative-masters-specialization-south-asian-studies
Email: ai.asianstudies@utoronto.ca
Telephone: (416) 946-8832
Fax: (416) 946-8838

Collaborative Master's and Doctoral Specialization in South Asian Studies
Asian Institute, Munk School of Global Affairs and Public Policy
University of Toronto, Room 228N, 1 Devonshire Place
Toronto, Ontario M5S 3K7 Canada

South Asian Studies: Master's Level

Minimum Admission Requirements

- Applicants who wish to enrol in the collaborative specialization must apply to and be admitted to both the collaborative specialization and a graduate degree program in one of the collaborating graduate units. Applicants must meet the admission requirements of the graduate unit in which they intend to enrol. Admission will be subject to the approval of the graduate unit concerned and the collaborative specialization committee.

Completion Requirements

- A mandatory half-year core course, SAS2004H *Issues in South Asian Studies*, taught by the core faculty. The core course will be the same for both master's and doctoral students. Master's students who proceed to the doctoral program will not be required to take the core course again. With the permission of the home graduate unit, the core course can be taken in lieu of one of the courses required by the home unit.
- Attendance at a minimum of two lectures per session from the lecture series organized by the Centre for South Asian Studies during the academic year in which the student takes the core course (September to May).
- If writing a thesis, it is expected to include a significant South Asian component.
- For master's students writing a research paper, the home unit will determine whether a South Asian component is required in the research paper.
- For master's students writing a thesis and master's students writing a research paper, language requirements will be assessed on a case-by-case basis.

South Asian Studies: Doctoral Level

Minimum Admission Requirements

- Applicants who wish to enrol in the collaborative specialization must apply to and be admitted to both the collaborative specialization and a graduate degree program in one of the collaborating graduate units. Applicants must

meet the admission requirements of the graduate unit in which they intend to enrol. Admission will be subject to the approval of the graduate unit concerned and the collaborative specialization committee.

Completion Requirements

- A mandatory half-year core course, SAS2004H *Issues in South Asian Studies*, taught by the core faculty (unless already taken in the master's program). With the permission of the home graduate unit, the core course can be taken in lieu of one of the courses required by the home unit.
- Attendance at a minimum of two lectures per session from the lecture series organized by the Centre for South Asian Studies (CSAS) for a total of two years, including the academic year in which the student takes the core course (September to May).
- The thesis must include a significant South Asian component.
- Attendance at an annual end-of-year workshop and to present on doctoral research at this workshop at least once before graduation.
- Language requirement, depending on the student's area of specialization.

South Asian Studies: Courses

Core Course

SAS2004H

Elective Courses

SAS2000H, SAS2000Y, SAS4900H

Toxicology

777 Bay Street, Suite 945
Toronto, Ontario M5G 2C8 Canada

Toxicology: Introduction

Lead Faculty of the Collaborative Specialization

Medicine

Participating Degree Programs

Laboratory Medicine and Pathobiology — MSc, PhD
Medical Science — MSc, PhD
Nutritional Sciences — MSc, PhD
Pharmaceutical Sciences — MSc, PhD
Pharmacology — MSc, PhD

Overview

The Collaborative Specialization in Toxicology provides graduate students with a unique opportunity to gain breadth and depth of knowledge in toxicology beyond their thesis research area. This collaborative specialization aims to prepare participants for careers related to toxicology. It emphasizes the development of critical thinking and effective communication skills in addition to acquiring greater knowledge of basic principles and specific aspects of toxicology.

The graduate programs listed above participate in this collaborative specialization. Students may pursue an MSc or PhD degree. Graduate units participating in the program contribute graduate courses, provide facilities, and provide supervision for graduate research.

Graduate students from units other than the participating units listed who are interested in pursuing a program in toxicology should speak to the Director of the Collaborative Specialization in Toxicology and the graduate advisor(s) in their home graduate unit to discuss the possibility. Detailed information is available on the Toxicology website and from the Department of Pharmacology and Toxicology.

Upon successful completion of the degree requirements of the participating home graduate unit and the collaborative specialization, students will receive the notation "Completed Collaborative Specialization in Toxicology" on their transcript.

Contact and Address

Web: pharmtox.utoronto.ca/collaborative-specialization-toxicology
Email: pharmtox.dept@utoronto.ca
Telephone: (416) 978-3851

Collaborative Specialization in Toxicology
Department of Pharmacology and Toxicology
University of Toronto

Toxicology: Master's Level

Minimum Admission Requirements

- Applicants who wish to enrol in the collaborative specialization must first apply to and be admitted by one of the participating home graduate units under its regulations. Once students have been admitted to their home graduate unit, they should register in the Collaborative Specialization in Toxicology by contacting the collaborative specialization director.

Completion Requirements

- Students must complete JNP1016H *Graduate Seminar in Toxicology*.
- Students may be required to take JNP1019H *Biomedical Toxicology* and JNP1020H *Interdisciplinary Toxicology* if they have not previously completed coursework in advanced toxicology.
- Students must attend a minimum of six academic seminars related to toxicology during the master's program.
- Students must complete a research thesis or project as required by the home graduate unit. It is understood that the research topic will be in the area of toxicology.

Toxicology: Doctoral Level

Minimum Admission Requirements

- Applicants who wish to enrol in the collaborative specialization must first apply to and be accepted by one of the participating home graduate units under its regulations. Once students have been admitted to their home graduate unit, they should register in the Collaborative Specialization in Toxicology by contacting the collaborative specialization director.

Completion Requirements

- Students must complete JNP1016H *Graduate Seminar in Toxicology*, plus a 0.5 full-course equivalent (FCE) in the area of toxicology (approved by the collaborative specialization director). The home unit and the collaborative specialization director will decide whether these courses are in addition to, or substitutions for, requirements of the home graduate unit.
- Students may be required to take JNP1019H *Biomedical Toxicology* and JNP1020H *Interdisciplinary Toxicology* if they have not previously completed coursework in advanced toxicology.
- Students must attend a minimum of 12 academic seminars related to toxicology during the doctoral specialization.

- Students must complete a research thesis or project as required by the home graduate unit. It is understood that the research topic will be in the area of toxicology.

Toxicology: Courses

JNP1016H, JNP1019H, JNP1020H

Women and Gender Studies (Collaborative Specialization)

Women and Gender Studies: Introduction

Lead Faculty of the Collaborative Specialization

Arts and Science

Participating Degree Programs

Adult Education and Community Development — MA, MEd, PhD
Anthropology — MA, MSc, PhD
Cinema Studies — MA
Classics — MA, PhD
Comparative Literature — MA, PhD
Counselling and Clinical Psychology — MA, PhD
Counselling Psychology — MEd, EdD
Criminology and Sociolegal Studies — MA, PhD
Curriculum and Pedagogy — MA, MEd, PhD
Drama, Theatre and Performance Studies — MA, PhD
East Asian Studies — MA, PhD
Educational Leadership and Policy — MA, MEd, EdD, PhD
English — MA, PhD
French Language and Literature — MA, PhD
Geography — MA, MSc, PhD
Germanic Languages and Literatures — MA
Germanic Literature, Culture and Theory — PhD
Health Administration — MHSc
Health Policy, Management and Evaluation — MSc, PhD
Higher Education — MA, MEd, EdD, PhD
History — MA, PhD
Information — MI, PhD
Kinesiology — MSc, PhD
Language and Literacies Education — MA, MEd, PhD
Law — LL.M, SJD
Medieval Studies — MA, PhD
Near and Middle Eastern Civilizations — MA, PhD
Philosophy — MA, PhD
Planning — MScPl, PhD
Political Science — MA, PhD
Public Health Sciences — MPH, PhD
Religion — MA, PhD
Social Justice Education — MA, MEd, EdD, PhD
Social Work — MSW, PhD
Sociology — MA, PhD
Spanish — MA, PhD

Overview

The Graduate Collaborative Specialization in Women and Gender Studies (CWGS) provides students with an opportunity for advanced feminist studies in concert with an MA or PhD degree in another discipline. The Collaborative Specialization offers a rich interdisciplinary environment in which to grapple with how gender and sexuality are entangled with questions of race, citizenship, embodiment, colonialism, nation, global

capitalism, violence, political economy, cultural formations, aesthetics, and other pressing concerns.

The graduate programs listed above participate in the Collaborative Specialization in Women and Gender Studies at the University of Toronto. The collaborating units contribute courses and provide facilities and supervision for graduate research. The collaborative specialization is administered by the Women and Gender Studies Institute (WGSi), bringing together 34 graduate programs, more than 100 courses, and more than 100 graduate faculty members. Core faculty members bring transnational feminist commitments to the study of diverse sites and their interconnection with particular focus on Canada, the Caribbean, Africa, the Middle East, South Asia, East Asia, and the United States.

Upon successful completion of the degree requirements of the participating home graduate unit and the collaborative specialization, students will receive the notation "Completed Collaborative Specialization in Women and Gender Studies" on their transcript.

Contact and Address

Web: www.wgsi.utoronto.ca/graduate/collaborative-program
Email: wgsi.programs@utoronto.ca
Telephone: (416) 978-3668
Fax: (416) 946-5561

Graduate Collaborative Specialization in Women and Gender Studies
Women and Gender Studies Institute, University of Toronto,
Wilson Hall, New College, 40 Willcocks Street, Room 2035,
Toronto, Ontario M5S 1C6 Canada

Women and Gender Studies: Master's Level

Minimum Admission Requirements

- Applicants who wish to enrol in the collaborative specialization must apply to and be admitted to both the collaborative specialization and a graduate degree program in one of the collaborating graduate units. Applicants must fulfil all the degree requirements in the home graduate unit.
- Applicants to the collaborative specialization should have a substantial undergraduate background in gender and feminist studies or an equivalent focus within a discipline. In exceptional cases, extensive work or activist experience which also requires academic knowledge of research on women and/or gender will also be considered.
- In order to be considered for the collaborative specialization, applicants must submit a two-page, tailored letter of intent focusing on work in women and gender studies. This letter should be addressed to the Admissions Committee for the Collaborative Specialization in Women and Gender Studies. Please note that this letter is separate and distinct from any letters submitted to the home graduate unit. In this letter, students must demonstrate their background and knowledge of the field. The collaborative specialization will only accept students who are able to demonstrate strength in the field of women and gender studies. The application deadline is May 26, 2026.

- Two letters of reference outlining the applicant's background in women and gender studies.

Completion Requirements

- The course of study should be planned in consultation with the CWGS graduate coordinator as well as the coordinator of graduate studies in the student's home graduate unit.
- Courses should be selected from the established cross-listed courses or approved by the graduate coordinator of the collaborative specialization.

Non-thesis Master's

- WGS5000H *Feminist Theories, Histories, Movements I*.
- 1.0 full-course equivalent (FCE) of cross-listed or approved courses with a focus on women/gender/feminist/sexuality/critical race/postcolonial studies.
- Regular attendance at the WGS Research Seminar (WGS2000H).

Thesis Master's

- WGS5000H *Feminist Theories, Histories, Movements I*.
- 0.5 FCE of cross-listed or approved courses with a focus on women/gender/feminist/sexuality/critical race/postcolonial studies.
- Regular attendance at the WGS Research Seminar (WGS2000H).
- The thesis, or major paper, dealing with a subject in the area of women and gender studies.
- Theses will be supervised and evaluated in the same manner as those in the home graduate unit. Normally, at least one cross-listed or core graduate faculty member of WGSI will be a member of the thesis or supervisory committee of collaborative specialization students.

Women and Gender Studies: Doctoral Level

Minimum Admission Requirements

- Applicants who wish to enrol in the collaborative specialization must apply to and be admitted to both the collaborative specialization and a graduate degree program in one of the collaborating graduate units. Students must fulfil all the degree requirements in the home graduate unit.
- Applicants to the collaborative specialization should have a substantial undergraduate or graduate background in gender and feminist studies or an equivalent focus within a discipline. In exceptional cases, extensive work or activist experience which also requires academic knowledge of research on women and/or gender will also be considered.
- In order to be considered for the collaborative specialization, applicants must submit a two-page, tailored letter of intent focusing on work in women and gender studies. This letter should be addressed to the Admissions Committee for the Collaborative Specialization in Women and Gender Studies.

Please note that this letter is separate and distinct from any letters submitted to the home graduate unit. In this letter, students must demonstrate their background and knowledge of the field. The collaborative specialization will only accept students who are able to demonstrate strength in the field of women and gender studies. The application deadline is May 26, 2026.

- Two letters of reference outlining the applicant's background in women and gender studies.

Completion Requirements

- The course of study should be planned in consultation with the CWGS graduate coordinator as well as the coordinator of graduate studies in the student's home graduate unit.
- Courses should be selected from the established cross-listed courses approved by the graduate coordinator of the collaborative specialization.
- A required 0.5 full-course equivalent (FCE selected from WGS5000H *Feminist Theories, Histories, Movements I* or WGS5001H *Feminist Theories, Histories, Movements II*.
- Any other 0.5 FCE course in women and gender studies.
- 1.0 FCE of cross-listed or approved courses with a focus on women/gender/feminist/sexuality/critical race/postcolonial studies.
- Regularly participate in the WGS Research Seminar (WGS2000H).
- Students are required to present their work in the seminar at least once before graduating.
- Doctoral thesis dealing with a subject in the area of women and gender studies. Theses will be supervised and evaluated in the same manner as those in the home graduate unit. Normally, at least one cross-listed or core graduate faculty member with WGSI will be a member of the thesis or supervisory committee of collaborative specialization students.

Women and Gender Studies: Courses

Core Courses

WGS5000H, WGS5001H

Elective Courses

For courses offered by WGSI and cross-listed by the participating units offered in a particular year, check the collaborative specialization website.

Women's Health

Women's Health: Introduction

Lead Faculty of the Collaborative Specialization

Public Health

Participating Degree Programs

Anthropology — MA, MSc, PhD
Dentistry — MSc, PhD
English — MA, PhD
Health Policy, Management and Evaluation — MSc, PhD
Immunology — MSc, PhD
Kinesiology — MSc, PhD
Medical Science — MSc, PhD
Nursing Science — MN, PhD
Nutritional Sciences — MSc, PhD
Pharmacology — MSc, PhD
Psychology — MA, PhD
Public Health Sciences — MPH, PhD
Rehabilitation Science — MSc, PhD
Religion — MA, PhD
Social Work — MSW, PhD
Women and Gender Studies — MA, PhD

Overview

The Collaborative Graduate Specialization in Women's Health provides interdisciplinary training in women's health research and practice for graduate students at the University of Toronto with the goal of:

- helping students develop shared understandings of the complex interactions of biology and environment, sex and gender;
- providing students with the necessary skill set to undertake and lead interdisciplinary, collaborative health-care research projects; and
- enhancing mutually beneficial relationships among researchers and practitioners of women's health across the University and its affiliated teaching hospitals.

Students must be registered in the School of Graduate Studies through one of the participating graduate units in order to apply to the Collaborative Specialization in Women's Health. Applicants must comply with the admission procedures of that unit. There is no deadline to apply to this collaborative specialization; applications will be reviewed as they are received.

Upon successful completion of the degree requirements of the participating home graduate unit and the collaborative specialization, students will receive the notation "Completed Collaborative Specialization in Women's Health" on their transcript.

Contact and Address

Web: www.dlsph.utoronto.ca/programs/collaborative-specialization-in-womens-health

Kristen Dileo, Administrator
Collaborative Specialization in Women's Health
Email: Kristen.Dileo@wchospital.ca
Telephone: (416) 323-6100 ext. 2180

Janice Du Mont, Director
Collaborative Specialization in Women's Health
c/o Women's College Research Institute, Women's College Hospital
76 Grenville Street, 6th floor
Toronto, Ontario M5S 1B2 Canada

Women's Health: Master's Level

Minimum Admission Requirements

- Applicants must be registered with the School of Graduate Studies through an affiliated home graduate unit. Before applying to the Women's Health collaborative specialization, applicants must comply with the admission procedures of their home graduate unit.
- Applicants must submit the following for review by the Executive Committee:
 - a curriculum vitae (CV)
 - a personal statement (via a concise letter no longer than two pages) describing relevant personal and/or professional experiences, a career plan, and motivation in seeking advanced training in women's health.

Completion Requirements

- To successfully complete the collaborative specialization, students must also successfully complete the requirements of their home graduate unit.
- Complete the core course (CHL5109H *Gender and Health*).
- Participate in at least six monthly sessions in the Student Research Seminar Series. Students will be encouraged to build relationships with peers and faculty that cross disciplinary boundaries.
- In instances where home graduate units require a thesis, it is desirable, but not required, that this work be relevant to women's health.

Women's Health: Doctoral Level

Minimum Admission Requirements

- Applicants must be registered with the School of Graduate Studies through an affiliated home graduate unit. Before applying to the Women's Health collaborative specialization, applicants must comply with the admission procedures of their home graduate unit.

- Applicants must submit the following for review by the Executive Committee:
 - a curriculum vitae (CV)
 - a personal statement (via a concise letter no longer than two pages) describing relevant personal and/or professional experiences, a career plan, and motivation in seeking advanced training in women's health.

Completion Requirements

- To successfully complete the collaborative specialization, students must also successfully complete the requirements of their home graduate unit.
- Complete the core course (CHL5109H *Gender and Health*). Doctoral students who have satisfactorily completed the core course during their master's program are not required to repeat the course during their doctoral program.
- Students must participate in at least six monthly sessions in the Student Research Seminar Series and present their completed or in-progress research at a seventh student research seminar. Students will be encouraged to build relationships with peers and faculty that cross disciplinary boundaries.
- In addition to their home graduate unit supervisor, students must also identify a mentor — a faculty member of the collaborative specialization whose own methodologies represent a different approach than that used by the student's primary mentor.
- Devise a research plan that builds interdisciplinary research skills in women's health. The plan is developed with guidance from the graduate supervisor from their home unit and the mentor, who both sign the study/research plan.
- Complete a dissertation on a topic relevant to women's health.

Women's Health: Courses

Core Course

CHL5109H

Workplace Learning and Social Change

Workplace Learning and Social Change: Introduction

Lead Faculty of the Collaborative Specialization

Ontario Institute for Studies in Education (OISE)

Participating Degree Programs

Adult Education and Community Development — MA, MEd, PhD
Industrial Relations and Human Resources — MIRHR, PhD
Rehabilitation Science — MSc, PhD
Social Justice Education — MA, MEd, PhD, EdD
Women and Gender Studies — MA

Overview

The Collaborative Specialization in Workplace Learning and Social Change is particularly suited to students interested in developing their understanding of work and learning trends in Canada and internationally, with a focus on the relationships between workplace learning and social change. The collaborative specialization has three intellectual objectives:

- to situate workplace learning within broader social trends such as globalization, neoliberalism, and organizational restructuring;
- to allow exploration of the connections between learning as an individual phenomenon and learning as a social/organizational and public policy phenomenon; and
- to highlight the learning strategies that seek to foster social change through greater equality of power, inclusivity, participatory decision-making, and economic democracy.

Applicants to participating programs who are interested in participating in the collaborative specialization must apply to and be accepted by both the graduate unit and the collaborative specialization. For admission, applicants should submit a statement of interest to the collaborative specialization director.

Upon successful completion of the degree requirements of the participating home graduate unit and the collaborative specialization, students will receive the notation "Completed Collaborative Specialization in Workplace Learning and Social Change" on their transcript.

Contact and Address

Web: www.oise.utoronto.ca/lhae/collaborative-specializations/workplace-learning-social-change

Collaborative Specialization in Workplace Learning and Social Change
The Ontario Institute for Studies in Education
University of Toronto
252 Bloor Street West
Toronto, Ontario M5S 1V6 Canada

Workplace Learning and Social Change: Master's Level

Minimum Admission Requirements

- Applicants must apply to and be admitted to both the collaborative specialization and a graduate degree program in one of the collaborating graduate units.
- Applicants must submit a statement of interest which includes:
 - relevant personal and/or professional experiences and motivation in seeking training in workplace learning and social change (all applicants)
 - a brief outline of their proposed research project (thesis students)
 - indication of their preference of supervisor, if any (thesis students).

Completion Requirements

- Individual student programs of study must meet the requirements of both the home graduate unit and the collaborative specialization. Normally, the selection of courses to satisfy the collaborative specialization requirements will not extend the program length.
- Course requirements are as follows:
 - 0.5 core full-course equivalent (FCE) — WPL1131H *Introduction to Workplace Learning and Social Change*
 - 0.5 elective FCE in the area of workplace learning and social change.
- In addition, students in a thesis-based MA program will be required to complete a thesis which incorporates issues of workplace learning and social change. A member of the collaborative specialization core faculty will serve as supervisor or committee member.
- Course-only MEd students will be required to complete an additional 0.5 elective FCE in the area of workplace learning and social change.

Workplace Learning and Social Change: Doctoral Level

Minimum Admission Requirements

- Applicants should apply to the collaborating degree program that corresponds most closely to their general background and interests.
- Applicants must submit a statement of interest which includes:

- relevant personal and/or professional experiences and motivation in seeking training in workplace learning and social change (all applicants)
- a brief outline of their proposed research project
- indication of their preference of supervisor, if any.

Completion Requirements

Doctor of Education

Offered to students in the Social Justice Education program only.

- Individual student programs of study must meet the requirements of both the home graduate unit and the collaborative specialization. Normally, the selection of courses to satisfy the collaborative specialization requirements will not extend the program length.
- Course requirements are as follows:
 - 0.5 core full-course equivalent (FCE) — WPL3931H *Advanced Studies in Workplace Learning and Social Change*
 - 0.5 elective FCE in the area of workplace learning and social change.
- In addition, students will be required to complete a thesis which incorporates issues of workplace learning and social change. A member of the collaborative specialization core faculty will serve as supervisor or committee member.

Doctor of Philosophy

- Individual student programs of study must meet the requirements of both the home graduate unit and the collaborative specialization. Normally, the selection of courses to satisfy the collaborative specialization requirements will not extend the program length.
- Course requirements are as follows:
 - 0.5 core full-course equivalent (FCE) — WPL3931H *Advanced Studies in Workplace Learning and Social Change*
 - 0.5 elective FCE in the area of workplace learning and social change.
- In addition, students will be required to complete a thesis which incorporates issues of workplace learning and social change. A member of the collaborative specialization core faculty will serve as supervisor or committee member.

Workplace Learning and Social Change: Courses

Not all elective courses are offered each year.

Master's-Level Core Course

WPL1131H

Master's-Level Electives

The list of electives is subject to change.

IRE1362H, IRE1611H, IRE1615H, IRE1620H, LHA1113H, LHA1115H, LHA1119H, LHA1146H, LHA1147H, LHA1148H, LHA1150H, LHA1182H, LHA1195H, LHA5100H*, LHA5800H*, SJE3916H, SJE5000H*, WGS426H1 / WGS1020H*, WPL3930H

***Special topics courses:** Only the special topics course titles listed can be counted toward the WLSC specialization requirements in the current year. Please confirm current year courses with the WLSC administrator.

Doctoral-Level Core Course

WPL3931H

Doctoral-Level Electives

The list of electives is subject to change. Doctoral students can select an elective course from the list above **or** take one of the following to meet their elective requirement:

LHA1108H, LHA3183H, LHA5105H, LHA6100H*, WPL3930H

***Special topics courses:** Only the special topics course titles listed can be counted toward the WLSC specialization requirements in the current year. Please confirm current year courses with the WLSC administrator.