

THE DEPARTMENT OF CHEMICAL ENGINEERING AND APPLIED CHEMISTRY
Master's and Doctoral Programs
&
SCHOOL OF THE ENVIRONMENT
Collaborative Specialization in Environment and Health (CSEH)

**COLLABORATIVE SPECIALISATION REQUIREMENTS FOR
MASTER (MAsc) OF APPLIED SCIENCE, MASTER (MEng) OF ENGINEERING, AND
DOCTOR (PHD) OF PHILOSOPHY IN CHEMICAL ENGINEERING AND
APPLIED CHEMISTRY**

Effective Date: September 2020

Concerning specific requirements for master's and doctoral degree students registered in the Department of Chemical Engineering and Applied Chemistry and in the Collaborative Specialization in Environment and Health (CSEH) at the School of the Environment.

Master (MAsc) of Applied Science

Masters students in this degree program must complete a least 1.5 full-course equivalents (FCEs) in the home department. Two half-credit courses (1.0 FCEs) of the electives taken towards the MAsc degree program must be in the area of the Collaborative Specialization in Environment and Health (CSEH) as follows:

- Take the mandatory core course ENV 4001H, plus one half-credit course elective from the approved list of courses at School of the Environment.
- If the MAsc degree program requires a thesis project in the home unit, the thesis should be written on an environment and health topic or include an environment and health component.

It is recommended that each thesis committee will require a supervisor from the student's home department and at least one other member from another graduate unit, both of whom are also members of graduate faculty in the School of the Environment. If your supervisor is not a graduate faculty member of the School of the Environment, please contact the School's Graduate Student Advisor at grad.office.env@utoronto.ca.

A digital copy of the final thesis must be submitted to the School of the Environment prior to convocation.

NOTE: The CSEH coursework requirements may be counted as electives towards the MAsc degree program requirements.

Master (MEng) of Engineering

Masters students in this degree program must complete a total of 5.0 full-course equivalents

(FCEs) in the home department. At least 30% (1.5 FCEs) of the elective courses taken towards the MEng degree program must be in the area of the Collaborative Specialization in Environment and Health (CSEH), as follows:

- Take 1.0 FCEs, including the mandatory core course ENV 4001H, plus one half-credit course elective from the approved list of courses at School of the Environment.
- The remaining 0.5 FCE can be satisfied through some combination of coursework as follows: take an additional ENV course or an “Individual Research Course” (ENV3000H), or additional Chemical Engineering courses that are formally cross-listed with the School of the Environment, or write a brief research paper (ENV5555Y) on an environment and health topic. Students may also complete an optional “MEng Project” (CHE1800Y), which will meet the 30% requirement for CSEH, provided it includes an environment and health component.

A digital copy of the final research paper, if written, must be submitted to the School of the Environment prior to convocation.

NOTE: The CSEH coursework requirements may be counted as electives towards the MEng degree program requirements.

Doctor (PhD) of Philosophy

Doctoral students in this degree program must complete at least 2.0 full-course equivalents (FCEs) in the home department, including:

- The mandatory core course ENV 4001H (0.5 FCE), unless already taken at the master's level, plus one half-credit (0.5 FCE) course elective from the School of the Environment list of courses.
- The thesis written in the home unit towards the PhD degree program must be on an environment and health topic or include an environment and health component.
- In addition, all PhD students are required to give an oral presentation of their doctoral research as part of the School's Environment and Health Seminar Series or Research Day, which is held once per year. 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.

It is recommended that each thesis committee will require a supervisor from the student's home department and at least one other member from another graduate unit, both of whom are also members of graduate faculty in the School of the Environment. If your supervisor is not a graduate faculty member of the School of the Environment, please contact the School's Graduate Student Advisor at grad.office.env@utoronto.ca.

A digital copy of the final thesis must be submitted to the School of the Environment prior to convocation.

NOTE: The CSEH coursework requirements may be counted as electives towards the doctoral degree program requirements.