Earth Sciences

Program Requirements

M.Sc. Earth Sciences (5.0 credits)

Requirements:

1. 1.5 credit in course work, 0.5 credit of which may be at the senior undergraduate level
2. 3.5 credits in:
3. A pre-defence public lecture, preceding the oral examination, based on the thesis research
4. 0.0 credit in: participation in the OCGC Seminar Series. Each student gives a presentation of one lecture (open to all members of the OCGC) describing the candidate's research study within 16 months of the candidate's registration in the M.Sc. program.

Total Credits 5.0

M.Sc. Earth Sciences with Specialization in Chemical and Environmental Toxicology (5.0 credits)

Requirements:

1. 0.5 credit in:
   - BIOL 6402/ CHEM 5708 [0.5] Principles of Toxicology
   - or BIOL 6403 [0.5] Ecotoxicology
   - or CHEM 5705 [0.5] Ecotoxicology
2. 0.5 credit in:
   - BIOL 6405/ CHEM 5805 [1.0] Seminar in Toxicology
3. 0.5 credit in additional course work
4. 3.5 credits in:
5. A pre-defence public lecture, preceding the oral examination, based on the thesis research
6. 0.0 credit: participation in the OCGC Seminar Series. Each student gives a presentation of one lecture (open to all members of the OCGC) describing the candidate's research study within 16 months of the candidate's registration in the M.Sc. program.

Total Credits 5.0

Ph.D. Earth Sciences (10.0 credits)

Requirements:

1. 1.0 credit of course work at the graduate level. Additional courses may be prescribed by the thesis advisory committee
   - ERTH 6908 [0.0] Ph.D. Comprehensive Examination (Conducted by the thesis advisory committee. Includes the presentation of a thesis proposal and involves three areas of geoscience specialization chosen by the student's advisory committee and approved by the Director of the Ottawa-Carleton Geoscience Centre)
2. 9.0 credits in:
   - ERTH 6909 [9.0] Ph.D. Thesis (defended at an oral examination before an examination board that includes an external examiner)
3. A pre-defence public lecture, preceding the oral examination, based on the thesis research
4. 0.0 credit in: participation in the OCGC Seminar Series. Each student gives a presentation of one lecture (open to all members of the OCGC) describing the candidate's research study within 16 months of the candidate's registration in the Ph.D. program.
5. Fulfilment of residence requirement: at least four terms of full-time study

Total Credits 10.0

Ph.D. Earth Sciences with Specialization in Chemical and Environmental Toxicology (10.0 credits)

Requirements:

1. 9.0 credits in:
   - ERTH 6909 [9.0] Ph.D. Thesis (a research thesis on a topic in toxicology supervised by a faculty member of the Collaborative Program in Chemical and Environmental Toxicology, defended at an oral examination before an examination board that includes an external examiner)
2. A pre-defence public lecture, preceding the oral examination, based on the thesis research
3. 1.0 credit in:
   - BIOL 6402 [0.5] Principles of Toxicology
   - or CHEM 5708 [0.5] Principles of Toxicology
   - BIOL 6405 [0.5] Seminar in Toxicology
   - or CHEM 5805 [0.5] Seminar in Toxicology
4. 0.0 credit in: participation in the OCGC Seminar Series. Each student gives a presentation of one lecture (open to all members of the OCGC) describing the candidate's research study within 16 months of the candidate's registration in the Ph.D. program.
5. Fulfilment of residence requirement: at least four terms of full-time study

Total Credits 10.0

Regulations

See the General Regulations section of this Calendar.

A grade of B- or higher is required for each course counted towards the Master's degree.

Admission

The requirement for admission to the program is an Honours B.Sc. degree, with at least high honours standing, in geology or a related discipline.
Admission
The requirement for admission to the Ph.D. Program is an M.Sc. degree in Earth Sciences or a related discipline. A grade of B- or higher is required for each course to be counted.