

**Earth Sciences
MAsc, MSc, PhD****School of the Environment: Collaborative Specialization in Environmental Studies (CSES)**

Below you will find the requirements for students in the Earth Sciences MAsc and PhD who are completing a collaborative specialization in Environmental Studies. Although this document will provide you with guidance for completing the specialization, note that the [School of Graduate Studies Calendar](#) is the authoritative source for all degree requirements.

Master of Applied Science (MAsc)

MAsc students in the thesis stream complete a total of 2.0 FCEs. In addition to the home degree requirements, those enrolled in the Collaborative Specialization in Environmental Studies complete the following requirements:

- ENV1001H: Environmental Decision Making (0.5 FCE)
- One elective (0.5 FCE) from the [CSES course list](#).

In addition to the coursework, the MAsc thesis should be written on an environment related topic. A digital copy of the [final thesis](#) must be submitted to the School of the Environment prior to convocation.

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.

Master of Science (MSc) – All Course Stream

MSc All Course Stream students in the all course stream complete a total of 5.0 FCEs. In addition to the home degree requirements, those enrolled in the Collaborative Specialization in Environmental Studies complete the following requirements:

- 1.5 FCE MSc degree requirements including:
 - ESS3608H (0.5 FCE) which satisfies the CSES research paper requirement, provided there is an environment related component. A copy of the final research paper must be submitted to the School of the Environment prior to convocation.
- 3.5 FCE Electives which must include the following Environmental Studies collaborative specialization requirements:
 - ENV 1001H: Environmental Decision Making (0.5 FCE)
 - One elective (0.5 FCE) from the [CSES course list](#).
 - [ENV4444H: Internship](#) (0.5 FCE). Approval from the School of the Environment is required prior to participating in the internship.

Master of Science (MSc) – Doctoral Stream

MSc Doctoral Stream students in the doctoral stream complete a total of 3.5 FCEs.* In addition to the home degree requirements, those enrolled in the Collaborative Specialization in Environmental Studies

complete the following requirements:

- 3.0 FCE MSc degree requirements including:
 - ESS3601Y (1.0 FCE) which satisfies the CSES research paper requirement, provided there is an environment related component. A copy of the final research paper must be submitted to the School of the Environment prior to convocation.
- Elective coursework which must include the following Environmental Studies collaborative specialization requirements:
 - ENV 1001H: Environmental Decision Making (0.5 FCE)
 - One elective (0.5 FCE) from the [CSES course list](#).

*Note students in the CSES may end up completing an additional 0.5 FCEs.

Doctor of Philosophy (PhD)

PhD students in Earth Sciences complete a total of 1.0 FCEs. Those in the direct-entry or transfer program complete 1.5 FCEs. In addition to the home degree requirements, those enrolled in the Collaborative Specialization in Environmental Studies complete the following requirements:

- ENV 1001H: Environmental Decision Making (0.5 FCE)
- One elective (0.5 FCE) from the [CSES course list](#).

In addition, students complete a thesis on an environment related topic. It is recommended that the thesis committee membership will include a supervisor (from the student's home department who is a member of the CSES core faculty) and at least one other member from a collaborating department. A digital copy of the [final thesis](#) must be submitted to the School of the Environment prior to convocation.

All PhD students are required to give an oral presentation of their doctoral research as part of the School's Environment 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.