

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

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

Master of Science (MSc)- Research Report/Project Stream

Physics MSc students in the research report/project streams complete a total of 5.0 FCEs. Those enrolled in the Collaborative Specialization in Environmental Studies complete the following requirements:

- Home degree requirements including:
 - A 6000-series research course (1.0 FCE), which satisfies the CSES internship requirement
 - PHY3400Y, which counts towards the CSES research paper requirement, provided there is an environment related component. *A copy of the [final research paper/project](#) must be submitted to the School of the Environment prior to convocation.*
- ENV1001H: Environmental Decision Making (0.5 FCE)
- One elective (0.5 FCE) from the [CSES course list](#).

Master of Science (MSc)- Thesis Stream

Physics MSc 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 thesis should be written on an environmental 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.

Doctor of Philosophy (PhD)

Physics PhD students complete 3.0 FCEs. 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, students complete a thesis on an environment related theme. 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.