

Environmental Sciences: MES, MSc, PhD

The School of Environmental Sciences (SES) offers a range of post-graduate programs geared to recent graduates, working professionals, and those interested in a research career. Our expertise spans several disciplines including apiculture, atmospheric and Earth sciences, ecology, entomology, environmental microbiology, plant pathology and protection, soil science, and environmental toxicology.

uoguelph.ca/ses/

Programs

We offer two Master's options and a Doctoral program. The Master of Environmental Sciences (MES) consists of either course work or course work plus a major research paper (usually completed in three semesters). The Master of Science (MSc) consists of some course work and defense of a research-based thesis and usually completed in six semesters. The PhD program requires the successful completion of a qualifying exam and the completion and defense of a research-based thesis.

Research Fields (PhD)

- Earth and Atmospheric Sciences
- Ecosystem Science and Biodiversity
- Plant and Environmental Health

Admission Requirements

Applicants require an honours science four-year degree, with a minimum "B-" (Master's) or A- (PhD) standing for the last four semesters completed prior to entry into the graduate program.

Application Deadline:

MES: Mid-January
MSc & PhD: Ongoing



"Dr. Hsiang does a great job at pushing his students to always complete their work to the best of their abilities, while simultaneously ensuring that they have the necessary guidance and skills to complete the tasks he asks of them."
– Matthew Rudland (MSc)

Funding

Students in the MSc program will receive a minimum funding of \$16,500 per year over a 2-year eligibility period.

PhD students will receive a minimum funding of \$20,500 per year over a 3-year eligibility period.

Experiential Training

A central part of the MSc and PhD programs is the completion of a research project or thesis. Students will experience research first-hand under the supervision of a faculty advisor, that will involve formulating a research problem, collecting and analysing one or a combination of field and lab data, critical analysis and interpretation of those data in the context of existing literature. All students (including MES) can choose courses that are almost entirely field and lab-based, combining hands-on experience with the tools and methods for that field of study.

ARE YOU INTERESTED IN:

- Impacts of climate change on agriculture & ecosystems
- Protection of plants & pollinators
- Soil Science & Soil Health
- Ecological change & environmental health

CAREER OPPORTUNITIES:

- Environmental Consultant
- Public Service in Science & Policy
- Regulatory Affairs (industry & government)
- Research Scientist or Technician

CONTACT INFORMATION:

Graduate Coordinator, MSc & PhD:

Dr. Emmanuelle Arnaud
519-824-4120 ext 58087
grdchair@uoguelph.ca

MES Program Manager:

Dr. Kimberley Bolton
519-824-4120 ext 54266
kbolton@uoguelph.ca

Graduate Program Assistant:

Jen LaPorte
519-824-4120 ext 53937
ses.gradsec@uoguelph.ca