

Chemical and Environmental Toxicology

Toxicology is the study of the effects of toxic substances on living systems. These toxic substances can either be organic or inorganic and synthetic or natural materials. As a field of research, it crosses the traditional disciplinary boundaries of chemistry, biology and environmental sciences. Environmental toxicology further extends to aspects of chemical transport, fate, persistence and biological accumulation of toxic substances and their effects at the population and community levels.

Carleton University and the University of Ottawa offer a Master of Science or PhD with a Specialization in Chemical and Environmental Toxicology through the management of a committee of representatives from the Ottawa-Carleton Institute for Biology, the Ottawa-Carleton Chemistry Institute and the Ottawa-Carleton Geoscience Centre.

Participating Programs

Biology, Chemistry, Earth Sciences.

Degrees Offered

MSc, PhD

Career Options

The Ottawa area is home to numerous environmental and biotechnology companies. Different government departments are



involved with the research that leads to environmental legislation and regulations, and over 100 companies are conducting research in medical, agricultural, and environmental biotechnology. Associations with these organizations, as well as with the National Capital Commission, national museums, and the National Research Council Canada, provide an unparalleled background for study and career opportunities in this field.

Fall Application Deadline

March 1, to be eligible for funding

Admission Requirements

MSc: Applicants should apply to the primary participating department that is the most appropriate to their research interests. Once accepted and registered in one of the departments, students must be sponsored into the Collaborative Specialization in Chemical and Environmental Toxicology by a

faculty member involved in the program. This will normally be the student's thesis supervisor, who will need to write a letter of recommendation which both recommends admission and indicates their willingness to supervise the student's research program in Chemical and Environmental Toxicology.

Application forms and further information can be obtained by writing directly to any of the participating departments or to the program coordinator.

PHD: Prior admission to the PhD program in one of the supporting departments participating in the program. Accepted students need a letter of recommendation from a participating faculty member who is a member of the collaborative program, which both recommends admission and indicates the willingness of the professor to supervise the student's research program in Chemical and Environmental Toxicology.

Contact Info

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