

Toxicology:

Collaborative Specialization MSc, PhD

The collaborative specialization in Toxicology is the focal point for graduate teaching and research in toxicology. Students wishing to undertake graduate studies at the MSc or PhD level with emphasis on toxicology will be admitted by a participating department and will register in both the participating department and in the collaborative specialization in Toxicology.

<http://www.uoguelph.ca/toxicology/>

Students can work with faculty members within ten separate departments and undertake research in areas such as: role of oxidative stress in Alzheimer disease, DNA damage by chemical carcinogens, regulation of drug metabolizing enzymes, biodegradation of environmental pollutants, risk assessment of pesticides and pesticide screening by antibody development, insect resistance to insecticides, metal contamination of soils and toxicity to plants.

Areas of Research:

- Environmental Toxicology
- Molecular Toxicology
- Biomedical Toxicology

Admission Requirements

MSc and PhD students interested in pursuing a collaborative specialization in Toxicology must first meet the admission requirements of the primary program of interest (see department website for specific requirements).

Application Deadline:

Please see department website



Learning Environment

The University of Guelph is committed to applied learning in the sciences, where you will develop valuable skills in the analytical toxicology, molecular biology, medical toxicology and physiology laboratories (with instruments used in modern analytical, forensic and toxicology labs).

COMMONLY COLLABORATES WITH:

- Animal Bioscience
- Biomedical Science
- Chemistry
- Environmental Sciences
- Food Safety & Quality Assurance
- Human Health & Nutritional Science
- Integrative Biology
- Mathematics & Statistics
- Molecular & Cellular Biology
- Pathobiology
- Psychology

CONTACT INFORMATION

Toxicology Director:

Dr. Richard Manderville
519-824-4120 ext 53963
rmanderv@uoguelph.ca

Toxicology Graduate Secretary:

Lisa O'Dwyer
519-824-4120 ext 53044
chemgrad@uoguelph.ca