

# Toxicology:

## Collaborative Specialization Masters, Doctoral

The collaborative specialization in Toxicology is the focal point for graduate teaching and research in toxicology. Students wishing to undertake graduate studies at the masters or doctoral 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.

[uoguelph.ca/chemistry/our-programs/toxicology](http://uoguelph.ca/chemistry/our-programs/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

Masters and doctoral 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 the participating 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 Biosciences
- Biomedical Sciences
- Chemistry
- Environmental Sciences
- Food Safety & Quality Assurance
- Human Health & Nutritional Sciences
- Integrative Biology
- Molecular & Cellular Biology
- Pathobiology
- Psychology

### CONTACT INFORMATION

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