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.

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.

Many of the graduates of the Toxicology specialization have engaged in successful careers in government, private sectors, as consultants, industry leaders and as academics.

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) and then identify the Toxicology specialization as a secondary focus. A separate application is not submitted to Toxicology. If admitted into the primary program, the student’s application is forwarded to the Toxicology collaborative specialization advisor for consideration. If successful, the student will receive an offer of admission to the primary program and Toxicology specialization.

You can find more information about the Toxicology specialization, graduate programs and the admissions process online at: www.uoguelph.ca/graduatestudies