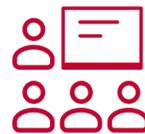


BIOMEDICAL TOXICOLOGY

The dose makes the poison

Biomedical Toxicology (BTOX) is the ideal major for students who have an interest in improving our health and welfare through the lens of toxicity, studying prescription drugs and addictive substances, pesticides, industrial chemicals, and natural poisons, such as snake venom!

The BTOX program is interdisciplinary and combines studies in Biomedical Science, Chemistry, Human Health and Nutritional Sciences, Molecular and Cellular Biology, Pathobiology and the School of Environmental Sciences. You will develop a strong foundation in science disciplines related to toxicology which will provide you with job opportunities in a variety of industries.



Take advantage of small class sizes in BTOX courses.



Join the Toxicology Student Association.

Popular Electives

Neuroscience (NEUR)
Nutritional and Nutraceutical Sciences (NANS)
Agriculture (AGR)

Check out related majors in:

Biological and Pharmaceutical Chemistry | Biomedical Sciences

bsc.uoguelph.ca

BTOX at Guelph

Guelph's Biomedical Toxicology program is the first of its kind in Canada, and began as an interdisciplinary and interdepartmental initiative. Four of the University's colleges contributed faculty teaching power to the program that exposes students to cutting-edge research in Biomedical Sciences, Chemistry, Environmental Sciences, Molecular and Cellular Biology, Nutritional and Nutraceutical Sciences and Pathobiology.

Earn as you Learn

Our BTOX co-op option gives students the opportunity to diversify their skillset by providing valuable real-world experience that complements their academic education.

- Food Technologist - [Maple Leaf Foods](#)
- Development Technician - [PepsiCo Foods Canada](#)
- Research Assistant - [Health Canada](#)

Career Opportunities

Our BTOX graduates pursue careers in government, private companies and in professional fields such as medicine, pharmacy, dentistry, veterinary medicine and law.

- Forensic Scientist
[Centre of Forensic Sciences \(Ontario Government\)](#)
- Risk Assessor
[Health Canada \(Canadian Government\)](#)
- Compliance Coordinator
[Resilience Biotechnologies](#)

Ontario Admission Requirements

Ontario High School Requirements	<ul style="list-style-type: none">▪ ENG 4U▪ MHF 4U▪ 2 of the following 3 courses: SBI4U, SCH4U, SPH4U▪ 1 4U or 4M arts or social studies course▪ 1 additional 4U or 4M course
Estimated Cut-off Ranges	<ul style="list-style-type: none">▪ 78-83%
Notes	<ul style="list-style-type: none">▪ 2 of the 3 4U high school science courses are required for admission; completion of all 3 is recommended.

For full Admission Requirements, visit admission.uoguelph.ca

Interested in Learning More?

Let us help connect you with a current BTOX student or a member of our Liaison Team.



cepsinfo@uoguelph.ca



[uofgceps](https://www.instagram.com/uofgceps)

For more information on the BTOX program, first-year courses, co-op, and more, visit:

bsc.uoguelph.ca

Anjelyn chose Biomedical Toxicology because of her interest in how toxins and chemical substances affect humans, animals and how our body reacts to and defends against these toxic effects.

Anjelyn Christyantou
B.Sc. Biomedical Toxicology, 2021

