The Guelph-Waterloo Centre for Graduate Work in Chemistry and Biochemistry, (GWC)², is housed in the Chemistry Departments at the University of Guelph and Waterloo, two of Canada’s leading Universities. A diverse team of world-class faculty from both Departments provide research opportunities in a myriad of chemical research areas.

Program

(GWC)² offers programs leading to the MSc and PhD degrees. The MSc and PhD degrees can be pursued through a part-time, regular or co-operative thesis option. Exceptional students may apply to a PhD Thesis degree directly from a BSc or by directly transferring from the MSc program.

Research Fields

All main chemistry research fields are being pursued including: analytical, biological, inorganic, nanoscience, organic, physical, polymer and theoretical.

Admission Requirements

MSc: minimum standing of 75% in the last two years of an Honours Bachelor of Science degree, or the equivalent, from an accredited University.

PhD: in general, a student will be required to possess the qualifications as listed for the MSc program, together with a MSc degree comparable to those awarded by North American universities, and suitable references from the institution at which the MSc degree was awarded.

Application Deadline:
Ongoing

Collaborative Specialization

The Department of Chemistry participates in the Master’s/PhD collaborative specialization in Toxicology and hosts the Electrochemical Technology Centre.

Research Environment

The Department of Chemistry and the College of Engineering and Physical Science (CEPS) offer a state-of-the-art suite of research facilities and centres including, high-field NMR spectrometers up to 800 MHz, powder and single crystal X-ray diffraction and XRF, the nanoscience laboratory, high-resolution mass spectrometry, a multitude of LASER-based spectroscopy and thermal analysis tools and the UofG high-pressure hydrogenation facility.

Funding

Financial support is guaranteed for every full time graduate student that we accept into the department with the exception of fully self-funded students.

ARE YOU INTERESTED IN:

■ Developing new vaccines
■ Making molecular magnets
■ Turning CO₂ into fuel
■ Improving nuclear power safety
■ Protecting crops from fungi

CAREER OPPORTUNITIES:

■ Chemical/Pharmaceutical Industry
■ Analytical Labs & Forensics
■ Environmental Protection & Policy
■ Science Writing & Education

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The Guelph-Waterloo Centre for Graduate Work in Chemistry (GWC)²: Admissions, 519-824-4120 ext 53848
gwc@uoguelph.ca

“My research develops new catalysts and processes that convert sugars from biomass into renewable polymers.”
- Maryanne Stones, PhD Chemistry