

Chemistry: MSc, PhD

Guelph-Waterloo Centre for Graduate Work in Chemistry & Biochemistry (GWC)²

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.

gwc2.on.ca

Program

(GWC)² offers programs leading to the MSc and PhD degrees. The MSc degree can be pursued through a regular or co-operative thesis option, a course work and major research paper option, and through full-time or part-time studies.

The PhD degree can be pursued through the regular or co-operative thesis option and, for exceptional students, directly from a BSc or by direct transfer to the PhD 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



"My research develops new catalysts and processes that convert sugars from biomass into renewable polymers."

- Maryanne Stones, PhD Chemistry

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 graduate student that we accept, except for the MSc course-based programs (and fully 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

CONTACT INFORMATION

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