

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.

uoguelph.ca/chemistrygwc2.on.ca

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



"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 full time graduate student that we accept into the department with the exception of 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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