



Fast Facts on the (GWC)²

Graduate Degree Programs Offered

(GWC)² offers programs leading to the M.Sc. and Ph.D. degrees. The M.Sc. degree can be pursued through a Regular or Co-operative Thesis option or through Part-time Course Work. The Ph.D. degree can be pursued through the Regular Thesis Option and, for exceptional students, directly from a B.Sc. or by direct transfer to the Ph.D. from the M.Sc. program.

Fields of Chemical Research

The (GWC)² provides research opportunities in the classical chemistry research areas of analytical, biological chemistry or biochemistry, inorganic, nanoscience, organic, physical, polymer and theoretical, as well as, opportunities in the following specialized research areas:

Bio-organic/Biological Chemistry	Molecular Dynamics
Carbohydrate and Nucleosides Chemistry	Molecular Electronics
Catalysis	Molecular Materials
Chemical Physics	Molecular Recognition
Chemical and Biosensors	Nanoscience
Computational Chemistry	Nuclear Magnetic Resonance (NMR) Spectroscopy
Crystallography	Organometallic Chemistry
Drug Design	Physical Organic Chemistry
Electrochemistry	Protein Structure and Function
Energy: Nuclear, Biomass, Fuel Cells, etc.	Quantum Computing
Environmental Chemistry and Experimental	Reactive Intermediates
Geochemistry	Solid State Chemistry
Enzymology	Spectroscopy and Spectrometry
Films and Surfaces	Surface Science and Analysis
Heteroatom Chemistry	Synthetic Organic Chemistry
Magnetism and Conductivity	Theoretical Chemistry
Mass Spectrometry	Toxicology
Materials	Vaccines and Immunochemistry

Unique Instrumentation

Research opportunities are available through the WATLab, Electrochemical Technology Center (ETC), WATSPEC Mass Spectrometry Facility, Institute for Polymer Research (IPR), WATSPEC NMR Facility and Nanotechnology Facilities.

Annual Tuition & Fees

	M.Sc. Tuition	M.Sc. Tuition + Fees	Ph.D. Tuition	Ph.D. Tuition + Fees
University of Guelph				
Domestic	\$6,768	\$8,033	\$6,768	\$8,033
International	\$16,341	\$18,326	\$16,341	\$18,326
University of Waterloo				
Domestic	\$6,624	\$7,577	\$6,624	\$7,577
International	\$16,188	\$13,076 ¹	\$16,188	\$8,290.62

Stipend - \$24,581 Masters and \$24,821 Doctoral

For those students that do not have external funding, financial support is guaranteed for every graduate student we accept. Our minimum graduate stipend, which can consist of a combination of a teaching assistantship / research assistantship / research studentship, is **\$24,581** for Masters and **\$24,821** Doctoral students (**September 2011**). There are a number of in-course and entrance scholarships available. Students must have achieved an 80% (A-) standing in their most recent year of study to be eligible for these awards. Eligible students will be automatically considered. International students are eligible for many of these awards. Generally students are awarded Teaching Assistantships which involve demonstrating in undergraduate laboratories, or carrying out other duties related to undergraduate teaching.

Living Expenses

The following expenses reflect average current costs for a single person living in Guelph, ON, \$11,700 → 19,885

The following expenses reflect average current costs for a single person living in Waterloo, ON, \$13,650 → 18,000

* Includes International Student Award Reduction

GUELPH-WATERLOO CENTRE FOR GRADUATE WORK IN CHEMISTRY AND BIOCHEMISTRY

(GWC)² Website: <http://www.gwc2.on.ca>

Scholarships

Bruker Biospin Graduate Scholarship - \$1,000.
Charles S. Humphrey Graduate Fellowship in Chemistry - \$2,500
David Holden Memorial Scholarship - \$1,000
F.W. Karasek Scholarship - \$1,000.00
The H.G. McLeod Scholarship - \$1,000.00

McNeil Graduate Scholarship Award in Natural Products Chemistry - \$1,500
Professor Thammaiah Viswanatha Memorial Graduate Award in Biochemistry - \$1,000
R.G. Goel Memorial Graduate Scholarship - \$1,000
R.H.F. Manske Prize - \$750
(GWC)² Seminar Prize - \$100

City and Surrounding Area

The Guelph-Waterloo Centre for Graduate Work in Chemistry and Biochemistry is one of Canada's largest and most successful graduate schools. The Centre is housed in the Chemistry Departments at the Universities of Guelph and Waterloo, two of Canada's highest rated Universities. A diverse team of world-class faculty from both Departments provide research opportunities in a myriad of chemical and biochemical research areas.

If one considers the comfortable and safe living environment of two midsized cities, the culture and sports activities and the great sense of community within the Departments and the Universities, there lie many wonderful and fulfilling opportunities for study and growth.

Although the Guelph and Waterloo campuses are 30 km apart, they are connected by internet links serving two fully equipped video classrooms at each end, allowing for interactive lectures and research discussions between the two campuses.

Application Procedure and Important Dates

- All information and on-line applications are available at our website (<http://www.gwc2.on.ca>).

Deadlines

- We do not have a set deadline for applications. Admission intake occurs for each of the terms: Fall (September start date), Winter (January start date) and Spring (May start date).
- It is recommended that Domestic students who are Canadian Citizens need to apply and provide all documentation at least three (3) months prior to the beginning of their expected term of entry, noting that available research opportunities may be limited if left too close to the start date. Landed Immigrants, should apply at least four (4) months in advance of their expected term of entry.
- International students who are applying from outside Canada should provide all required application documentation at least six (6) - nine (9) months in advance of the semester to which they wish to apply, depending on the country of citizenship.

Check List

- ✓ Printed off OUAC Application (University of Guelph)
- ✓ Payment of Fees
- ✓ Transcripts of all undergraduate and graduate programs (provided for UG)
- ✓ Reference Forms (3)
- ✓ Career Goal form (University of Guelph)
- ✓ Research Interest form (University of Guelph)
- ✓ Supplementary Information Form (University of Waterloo)
- ✓ English Language Proficiency (if required)
- ✓ Permanent Resident documentation (if applicable).
- ✓ Part-Time Form (University of Guelph)
- **University of Guelph:** The completed application package is to be forwarded to the GWC² Director
- **University of Waterloo:** Your application materials must be uploaded using Applicant Quest.

Academic Requirements

- M.Sc. - an Honours Bachelor's degree (or equivalent) in Science with at least a minimum overall upper second-class (75%/B) standing in the last two years.
- Ph.D. - a M.Sc. degree (or equivalent) in Science with at least a minimum overall upper second-class (75%/B) standing.
- Ph.D. Direct from B.Sc. - Applicants with an overall 'A' standing. Course requirements are reduced by one course for students admitted directly to the Ph.D. program from a B.Sc.

English Language Proficiency

- If English is not your first language you will be asked to provide proof of English Language Proficiency. The proof of English Language Proficiency must be completed within two years of submission. For the specific program requirements for proof of English proficiency please check the Application Guide in the (GWC)² website (<http://www.gwc2.on.ca/apply.htm>) - Institution Code 0996, Dept 62.

GRE

- GRE subject test score in chemistry or biochemistry is not required.

Contact Information

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