Why GRADUATE STUDIES in CHEMISTRY?

A degree from Queen's Department of Chemistry is highly regarded and an important consideration in today’s competitive science and technology job market. Our $56 million state of the art building is home to the Nuclear Magnetic Resonance facility and its eight high-field instruments, an on-site Mass Spec facility with four mass spectrometers, an X-ray diffractometer, a CFI-funded facility for materials characterization and more unique equipment in faculty labs.

Why QUEEN’S?

Queen’s University and the Department of Chemistry enjoy international reputations. With 27 award-winning faculty, and over 130 graduate students, post-doctoral fellows and research associates performing cutting-edge research in a multitude of areas, you will find this an exciting place to do research. Research is performed in the areas of analytical, inorganic, organic, physical, polymer, and theoretical chemistry. Research in these areas ranges from the most fundamental to very applied. A unique opportunity to obtain dual degrees from Queen’s University and the University of Stuttgart, Germany.

“Within the Stuttgart/Queen’s double Master’s program I had the opportunity to conduct research at two different institutions and make valuable connections.”

- Matthias Hermann, MSc

Program STRUCTURE

MSc (2 years): course work and thesis.

Current Queen's undergraduate chemistry students entering their 4th year and have a A- (A minus) average may apply for an Accelerated Masters (https://www.chem.queensu.ca/undergraduate/accelerated-msc-program).

Students who show exceptional promise in their research have the option to promote to the PhD program in their second year.

RESEARCH Areas

- Analytical/Environmental
- Biological
- Inorganic/Organometallic
- Materials/Polymer
- Organic
- Physical
- Theoretical/Computational

We encourage you to identify an area of research interest and contact a potential supervisor before applying.

Visit the Chemistry Department website to read faculty profiles and learn more about faculty members’ research areas. When you find a faculty member with similar research interests to yours, contact him/her and tell them about your interest in graduate work and related experience. This is also an opportunity for you to find out if the faculty member is accepting new graduate students to supervise.

“A Master's in Chemistry is a versatile degree that has provided me with the analytical and critical thinking skills that are requisite to success in my future career as a lawyer”

- Kasia Donovan, MSc

School of Graduate Studies
Create an impact
www.queensu.ca/sgs
Find your way through the academic process with help from departmental and Expanding Horizons professional development workshops, the department Grad Chair and the SGS website. Complete your coursework, begin to research and write your thesis. Complete your annual Research Progress Reports. Consider attempting the PhD Candidacy/Comprehensive Exam for promotion to the PhD program.

- Consider publication options for your research.
- Attend a major conference in your field, such as the MicroTAS, the ICP Winter Conference on Plasma Spectrochemistry, or the Canadian Cancer Research Conference.
- Set up a meeting with the School of Graduate Studies to go on Grad Chat to discuss your research interests.
- Consider putting an article in The Conversation.

- Practice articulating the skills you have been developing in settings outside the university, such as casual conversation, networking, and interviews. Get help from a Career Services workshop.
- Check out opportunities for extra training through CTL, Expanding Horizons, MicroTAS, or other sources to boost your skills.
- Take advantage of the state-of-the-art research facilities, which feature Mass spectrometry, X-ray diffractometer, a laser lab, and more.

- Do some targeted networking with people working in careers of interest, through Queens Connects on LinkedIn, the Queen’s Alumni Association, professional associations, and at conferences. Get help from a Career Services workshop.
- Consider joining professional associations like the Canadian Society for Chemistry or the American Chemical Society.

- Participate in hiring committees and attend job talks. Start focusing on areas of interest. Research organizations of interest and start putting together your CV or resume for potential positions of interest. Get help from Career Services with job searching, resumes, and interviews.
- Practice articulating the skills you have been developing in settings outside the university, such as casual conversation, networking, and interviews. Get help from a Career Services workshop.
- Check out opportunities for extra training through CTL, Expanding Horizons, MicroTAS, or other sources to boost your skills.
Application FAQs

What do I need to know to APPLY?

ACADEMIC REQUIREMENTS
- 4 year Honour’s degree in Chemistry or a related science, including Biochemistry, Chemical Physics, Materials Science, or Chemical Engineering.
- Grade requirements: minimum upper second class standing (B+ average).

ADDITIONAL REQUIREMENTS
- Correspond with potential supervisors.
- Two official transcripts for all post-secondary studies
- Two Letters of Recommendation
- Curriculum Vitae
- If English is not a native language, prospective students must meet the English language proficiency requirements in writing, speaking, reading, and listening. The following minimum scores are required: (1) TOEFL iBT: Writing (24/30); Speaking (22/30); Reading (22/30); Listening (20/30). Applicants must have the minimum score in each test as well as the minimum overall score, or (2) IELTS: 7.0 (academic module overall band score and a 7.0 for each test band), or (3) PTE Academics: 65, or (4) CAEL CE -70 (minimum overall score).

KEY DATES & DEADLINES
- Application due: February 1st for international applicants; Flexible deadline for domestic applicants.
- Notification of acceptance: Domestic students are notified on an ongoing basis as their applications are reviewed. International students are notified at the end of March.

Before you start your application, please review the Graduate studies application process.

What about FUNDING?

M.Sc. students in Chemistry receive minimum funding of $26,000 per year. Many students are awarded scholarships and awards, which allow them to exceed this level of income.

The funding package may comprise of graduate awards, research fellowships, and research and/or teaching assistantships.

Apply for external funding from OGS, NSERC and other sources. Queen’s will automatically issue a one time $5,000 top-up to Masters winners of federal government tri-council awards. For more information, see the School of Graduate Studies’ information on awards and scholarships, or see what awards are offered through the Chemistry Department.