Chemistry explores the composition, structure, and transformation of matter. Frequently called the central science, it provides the basis for studies in many other disciplines, ranging from biology to materials science, in addition to being a booming discipline of its own.

Chemistry opens very broad career options. With extensive experimental training, Chemistry studies are very hands-on and fun! Queen’s Chemistry Department is a very supportive and nurturing environment; our graduating class is small and close-knit.

All major and specialization students conduct research in fourth year as part of their plan. Queen's Chemistry programs are accredited by the Canadian Society for Chemistry.

Not too long ago, Jenny Du was a student at Queen’s. Now she’s living the California lifestyle at a cool startup. As the Director of Extraction, Jenny works with a team at Apeel Sciences to use natural plant extracts to formulate edible coatings that work to extend the shelf-life of fresh produce.

10% of alumni work in GOVERNMENT
11% of alumni work in HEALTH & MEDICINE
14% of alumni work in RESEARCH & DEVELOPMENT
32% of alumni work in EDUCATION

2.7 cGPA AUTOMATIC ACCEPTANCE min C+ in CHEM 112
1.9 cGPA PENDING LIST min C- in CHEM 112

Thresholds are made on a competitive basis and are updated annually. To see the thresholds for all programs as well as the latest information, please visit quartsci.com/planselection.

Acquire Skills. Gain Experience. Go Global. That is a degree from Queen’s.
Chemistry MAJOR MAP

1ST YEAR

- In first year you will have the chance to explore the foundations of Chemistry in biology, chemistry, geography and geology along with some electives.
- Attend Majors Night in the Winter term to learn more about Plan options.

2ND YEAR

- Start going deeper into the discipline of Chemistry, while considering a minor and/or certificate such as French for Professionals. Attend Degree Info in the Fall term to learn more about Certificates and Internship options.
- Want to make sure your academics are where you want them to be? Visit SASS (Student Academic Support Services) and the Writing Centre for some help.

3RD YEAR

- A chance to start grouping courses in areas of interest, or to keep it more general and explore many areas of Chemistry. Meet with an Academic Advisor to make sure you are on track and have planned out your courses for next year.

4TH OR FINAL YEAR

- In fourth year you will have the chance to participate in research-based courses that can lead to Graduate School or to your future career path. Make sure to finish up all your courses for your major and your optional minor and/or certificate(s).

GET THE COURSES YOU NEED

GET RELEVANT EXPERIENCE

- Join clubs on campus such as Let's Talk Science, Women in Science and Engineering or the Undergraduate Science Case Competition.
- See the AMS Clubs Directory or the Queen's Get Involved page for more ideas.

GET CONNECTED WITH THE COMMUNITY

- Volunteer on or off-campus with community organizations such as Science Rendezvous.
- Consider joining an intramural sports or an athletics team. Check out the Athletics and Recreation site.

GET THINKING глобально

- Prepare for work or studies in a multi-cultural environment by taking QUC’s Intercultural Competency Certificate, and research possible immigration regulations.
- Speak to a QUC advisor to get involved in their programs, events, and training opportunities.

GET READY FOR LIFE AFTER GRADUATION

- Grappling with program decisions? Go to Majors Night or get some help wondering about career options from Career Services. Attend departmental information sessions on Plan selection (March).

Consider applying to do a 12-16 month QUIP internship between your third and fourth year.

Consider presenting and publishing your work through Inquiry@Queen's.

Consider joining associations like the Chemical Institute of Canada or the Association of the Chemical Profession of Ontario.

International students interested in staying in Canada can speak with an International Student Advisor.

Consider widening your global skills by applying to the dual MSc Queen’s – Stuttgart degree. Do your research at the University of Stuttgart in Germany.

Consider presenting your research at the University of Stuttgart in Germany.

Choose to continue your academic journey with a Master’s. Our students are equipped with a strong foundation for careers in:

- Environmental research
- Forensic science
- Environmental sustainability
- Materials science
- Patent law
- Pharmaceuticals
- Pharmacy
- Public health
- Quality control
- Sustainability design

Visit careers.queensu.ca/majormaps for the online version with links!
Why study in Kingston?
For over 175 years, our community has been more than a collection of bright minds – Queen’s has attracted students with an ambitious spirit. Queen’s has the highest retention rates, the highest graduation rates, and one of the highest employment rates among recent graduates. We are a research intensive university focused on the undergraduate experience. The BBC has identified Kingston as one of the GREATEST UNIVERSITY TOWNS in the world – and it is often awarded the safest city in Canada. It is a university city at the core; just a quick drive to Toronto, Montreal, Ottawa and even New York. A university with more clubs per capita than any other university in Canada, and a city with more restaurants per capita than any other city in North America – you will have the experience of a lifetime at Queen’s – and graduate with a degree that is globally recognized among the best.