

Chemistry

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.

TOP 5 Reasons to Study CHEMISTRY

- 1 Chemistry opens very broad career options.
- 2 With extensive experimental training, Chemistry studies are very hands-on and fun!
- 3 Queen's Chemistry Department is a very supportive and nurturing environment; our graduating class is small and close-knit.
- 4 Students in the standalone major and specialization conduct research in fourth year as part of their plan.
- 5 The standalone major and specialization are accredited by the Canadian Society for Chemistry.



TOP ALUMNI JOBS

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**

add an optional **CERTIFICATE**

Data Analytics

Disability and Physical Activity

Employment Relations

Geographic Information Science

Indigenous Languages and Cultures

Sexual and Gender Diversity

Urban Planning Studies

Law

Business

[QUartsci.com/certs](https://quartsci.com/certs)

2026-27 Plan Thresholds

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

Interested in finding out how to augment your degree with Experiential Learning? Check in with your department to learn more about what opportunities and resources are available for you!

Alumni story

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.

-Jenny Du, BSCh

Chemistry MAJOR MAP

BACHELOR OF SCIENCE: HONOURS DEGREE (SPECIALIZATION/MAJOR/MINOR) OR GENERAL DEGREE



CONSIDER A QUIP INTERNSHIP

Knowledge & Workplace Skills

A degree in Chemistry can equip you with:

- Academic and technical skills to conduct research, understand scientific journal articles, troubleshooting, clearly explain and interpret research data.
- **Organizational skills** to compile, organize and maintain accurate records.
- **Ability to operate laboratory equipment** and to employ appropriate scientific lab techniques.
- Proficiency in mathematical and logical analysis.
- Sensitivity to the health and safety of others - safe handling, storage and disposal of hazardous chemicals.
- **Written and oral communication skills** to prepare and present reports from research ideas and information using current technology.
- **Team working** in a multidisciplinary context.
- **Practical and fundamental knowledge** of all subdisciplines of chemistry.

Career Possibilities

A degree in Chemistry can take your career in many directions. Many students choose to continue their academic inquiry with a Master's. Our students are equipped with a strong foundation for careers in:

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

Taking time to explore career options, build experience, and network can help you have a smooth transition to the world of work after graduation.

How to use this map

Use the 5 rows of the map to explore possibilities and plan for success in the five overlapping areas of career and academics. The map just offers suggestions – you don't have to do it all! To make your own custom map, use the **My Major Map** tool.

Chemistry



Get started thinking about the future now – where do you want to go after your degree? Having tentative goals (like careers or grad school) while working through your degree can help with short-term decisions about courses and experiences, but also help you keep motivated for success.

Get the help you need

Queen's provides you with a broad range of support services from your first point of contact with the university through to graduation. At Queen's, you are never alone. We have many offices dedicated to helping you learn, think and do.

Ranging from help with academics and careers, to physical, emotional, or spiritual resources – our welcoming living and learning environment offers the programs and services you need to be successful, both academically and personally. Queen's wants you to succeed! Check out the [Student Affairs website](#) for available resources.



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QUIP

QUEEN'S UNDERGRADUATE
INTERNSHIP PROGRAM

START DATES

May, September,
or January

POSITIONS

are paid and
full-time

WORK TERMS

are 12-16 months
long

PROGRAM OVERVIEW

- Graduate with a "Professional Internship" degree
- Learn about current advances, practices and technologies in business and industry.
- Test drive a career, earn a competitive salary, and get real world experience.

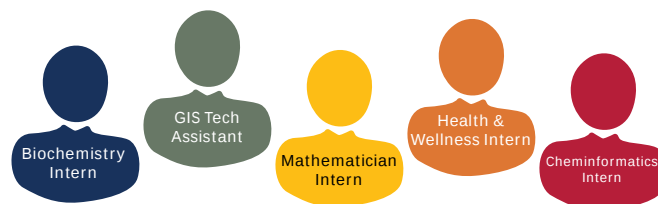
ELIGIBILITY

- Complete 1st year before you register
- Complete 2nd or 3rd year before your internship
- Minimum GPA of 1.9
- Return to Queen's after your internship to finish your degree

WHY QUIP?

- Gain a year of career-related work experience.
- Build network connections.
- Receive support from Queen's staff in the job search and during the internship.

Sample Past Internships



For more information, contact quip@queensu.ca or visit the [Program Website](#).

Why study in Kingston?

Since 1841, 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.

We're closer than you think.

