

CHEMISTRY

Major, Bachelor of Science (Honours)

degree PLAN

GET THE COURSES YOU NEED

Sample Year by Year

1ST YEAR

- CHEM 112/6.0
- 3.0 units from MATH 110/6.0, MATH 111/6.0, MATH 112/3.0
- PHYS 104/6.0 or PHYS 106/6.0 or PHYS 117/6.0
- MATH 120/6.0 or MATH 121/6.0 or (MATH 123/3.0 and MATH 124/3.0)
- 9.0 units of electives and/or minor

2ND YEAR

- CHEM 211/3.0
- CHEM 212/3.0
- CHEM 213/3.0
- CHEM 221/3.0
- CHEM 222/3.0
- CHEM 223/3.0
- 12.0 units of electives and/or minor

3RD YEAR

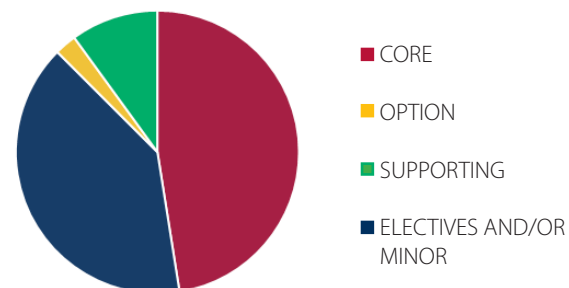
- 12.0 units from CHEM 311/3.0, CHEM 312/3.0, CHEM 313/3.0, CHEM 321/3.0, CHEM 322/3.0, CHEM 323/3.0
- CHEM 397/6.0
- 12.0 units of electives and/or minor

4TH YEAR

- CHEM 497/6.0
- 6.0 units from CHEM 311/3.0, CHEM 312/3.0, CHEM 313/3.0, CHEM 321/3.0, CHEM 322/3.0, CHEM 323/3.0
- 3.0 units of CHEM at the 400 level
- 15.0 units of electives and/or minor

PLAN:

72.0 units plus electives (or a combination of a minor and electives) to a total of 120 units.



Note that degree requirements are revised regularly. The most current requirements, including course lists and options, are available in the Academic Calendar at: QUartsci.com/academic-calendar

CHEMISTRY

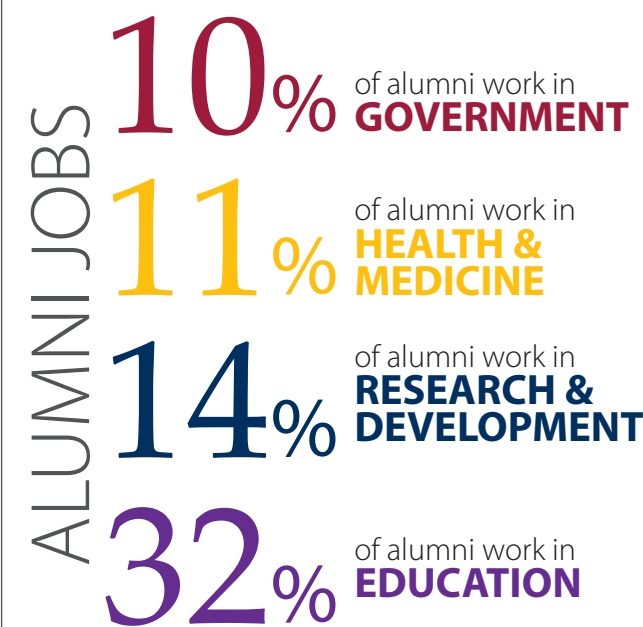
CHEM-M-BSH Major (Science) Bachelor of Science (Honours)



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



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.

add a **CERTIFICATE** to your degree

- **Employment Relations**
- **Entrepreneurship, Innovation and Creativity**
- **Disability and Physical Activity**
- **French for Professionals**
- **Geographic Information Science**
- **Global Action and Engagement**
- **Indigenous Languages and Cultures**
- **International Studies**
- **Media Studies**
- **Sexual and Gender Diversity**
- **Urban Planning Studies**

QUartsci.com/certs

2018-19 thresholds

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

*Thresholds are made on a competitive basis and are updated annually. For the latest information please visit: QUartsci.com

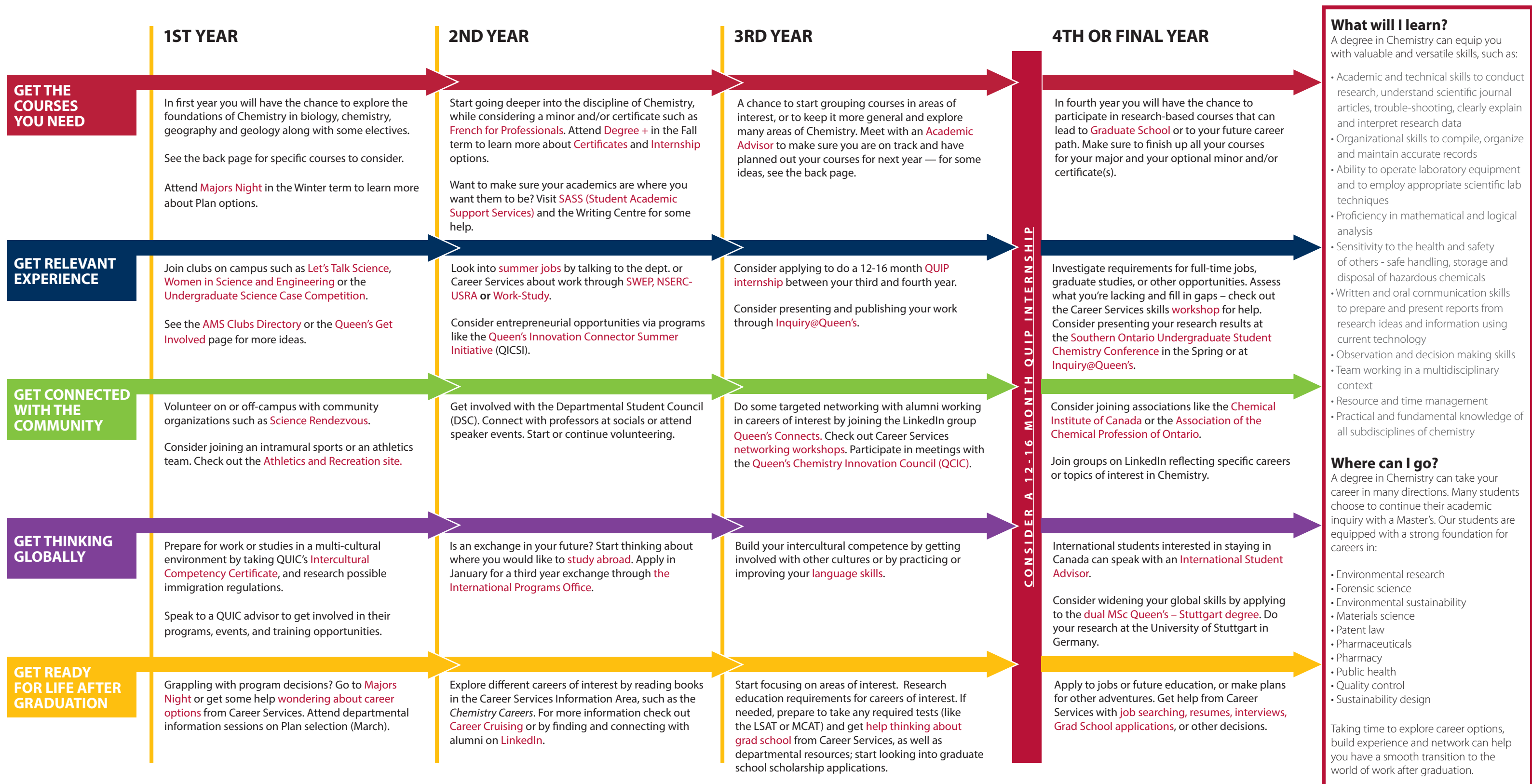
Queen's UNIVERSITY

DEPARTMENT OF CHEMISTRY

Faculty of Arts and Science
Chernoff Hall
90 Bader Lane
613-533-2616
chem.queensu.ca

CHEMISTRY MAJOR MAP

MAJOR BACHELOR OF SCIENCE (HONOURS)



CHEMISTRY

Specialization,
Bachelor of Science (Honours)

degree PLAN

GET THE
COURSES
YOU NEED

Sample Year by Year

1ST YEAR

- CHEM 112/6.0
- 3.0 units from MATH 110/6.0, MATH 111/6.0, MATH 112/3.0
- PHYS 104/6.0 or PHYS 106/6.0 or PHYS 117/6.0
- MATH 120/6.0 or MATH 121/6.0 or (MATH 123/3.0 and MATH 124/3.0)
- 9.0 units of electives

2ND YEAR

- CHEM 211/3.0
- CHEM 212/3.0
- CHEM 213/3.0
- CHEM 221/3.0
- CHEM 222/3.0
- CHEM 223/3.0
- 12.0 units of electives

3RD YEAR

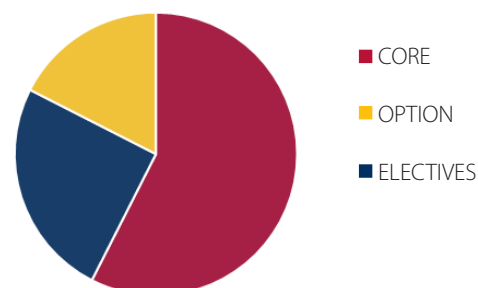
- CHEM 311/3.0
- CHEM 312/3.0
- CHEM 313/3.0
- CHEM 321/3.0
- CHEM 322/3.0
- CHEM 323/3.0
- CHEM 397/6.0
- 6.0 units of electives

4TH YEAR

- CHEM 497/6.0
- 12.0 units of CHEM at the 400 level or above or from BCHM at the 300 level or above; BCHM 218/3.0; PHYS 424/3.0
- 9.0 units from CHEM or BCHM at the 300 level or above; BCHM 218/3.0; PHYS 424/3.0
- 3.0 units of electives

PLAN:

90.0 units plus electives to a total of 120 units.



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CHEMISTRY

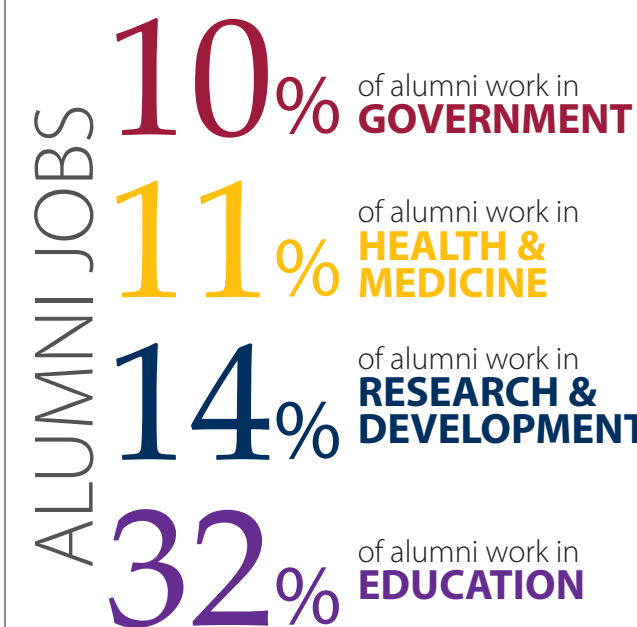
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CHEMISTRY SPECIALIZATION MAP

SPECIALIZATION BACHELOR OF SCIENCE (HONOURS)

