The unique group of scientists and faculty involved with Life Sciences at Queen’s share a common goal: to lessen the impact of disease and trauma by training the next generation of health care scientists and professionals. One of the largest Bachelor of Science degree programs at Queen’s, Life Sciences is in high demand by students who wish to pursue careers in biomedical research and health care.

### Top 5 Reasons to Study Life Sciences

1. Preparation for a career in health care or biomedical research.
2. Cutting-edge research in drug development and human toxicology, cancer biology, genetics, reproduction, microbiology, experimental medicine, and neuroscience.
3. Our internship program (QUIP) offers a range of careers to explore and companies to learn from.
4. Summer research (SWEP) assistant positions with professors.
5. Home to the Cancer Research Institute, the Centre for Neuroscience Studies, and the Cardiac, Circulation, and Respiratory Group.

### Alumni Jobs

- **5%** of alumni work in **Government**
- **9%** of alumni work in **Pharmaceuticals**
- **27%** of alumni work in **Education & Research**
- **33%** of alumni work in **Health Care**

### 2019-20 Thresholds

- **3.2 cGPA** Automatic Acceptance
  - min pass in CHEM 112 and 27 units
- **2.0 cGPA** Pending List
  - min pass in CHEM 112 and 27 units

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 [quarts.com/planselection](http://quarts.com/planselection).

### Alumni Story

“Life Sciences opened my eyes to the opportunities and careers available in the science field. The hands-on labs gave me practical experience that was extremely valuable for my subsequent studies.”

-Jan Slipka, BScH ’14

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**Acquire Skills. Gain Experience. Go Global.**

That is a degree from Queen’s.

[healthsci.queensu.ca/liscbchm](http://healthsci.queensu.ca/liscbchm)
1ST YEAR

In first year you will have the chance to explore the foundations of Life Sciences in biology, chemistry, math and physics along with some electives.

Attend Majors Night in the Winter term to learn more about Plan options. Decide whether the major with or without a minor or the specialization route is best for you.

2ND YEAR

Start going deeper into the discipline of Life Sciences, while considering a minor and/or certificate such as Disability and Physical Activity. Attend Degree 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 (specialization route), or to keep it more general and explore many areas of Life Sciences (major route). Meet with an Academic Advisor in the Life Sciences and Biochemistry Program Office.

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

Do targeted networking with alumni working in careers of interest by joining the Linkedin group Queen's Connects. Check out Career Services networking workshops.

Consider joining professional associations like the Analytical, Life Science & Diagnostics Association. Join groups on LinkedIn reflecting specific careers or topics of interest in Life Sciences.

4TH OR FINAL YEAR

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

Investigate requirements for full-time jobs or other opportunities related to careers of interest.

Assess what experience you're lacking and fill in gaps with volunteering, clubs, or internships – check out the Career Services skills workshop for help.

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

Apply to jobs or future education, or make plans for other adventures. Get help from Career Services with job searching, resumes, interviews, Grad School applications, or other decisions. Attend Town Hall meetings offered by the Associate Dean, Life Sciences and Biochemistry and provide input into the Program.

What will I learn?

A degree in Life Sciences can equip you with:

- Knowledge of the cellular structures, organic systems, organic chemistry, and the functions of the human body
- Understanding of statistical research methods, the scientific method and experimental design
- Research skills leading to an ability to draw relevant information out of a large amount of data
- Fieldwork skills to design and carry out site investigations to solve problems
- Experience working in a laboratory setting and operating equipment
- Attention to detail and analysis of scientific data
- Problem solving to adopt a systematic approach to problems
- Oral and written communication for procedure laboratory reports and present a report to a group
- Time and resource management

Where can I go?

A degree in Life Sciences 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:

- Animal research
- Drug development
- Epidemiology
- Food science and technology
- Genetics
- Medical and clinical research
- Neuroscience
- Optometry
- Public health
- Toxicology

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