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.

“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

**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**

**2020-21 major & specialization 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 quartsci.com/planselection

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

That is a degree from Queen’s.

healthsci.queensu.ca/liscbchm
**MAJOR MAP**

**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 Certificate and Internship options.

- Want to make sure your academic areas 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.

**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 you’re lacking and fill in gaps with volunteering, clubs, or internships—check out the Career Services skills workshop for help.

**GET THE COURSES YOU NEED**

**GET RELEVANT EXPERIENCE**

- Volunteering on or off-campus with different community organizations, such as Let’s Talk Science (LTS), Queen’s Union on Tropical Access to Health, or local charities.

**GET CONNECTED WITH THE COMMUNITY**

- Consider getting involved with the developmental Student Council (DSC). Start or continue volunteering with organizations such as the Canadian Undergraduate Conference (CUCOH).

**GET THINKING GLOBALLY**

- Prepare for work or studies in a multi-cultural environment by taking QUIC’s Intercultural Competency Certificate, and research possible immigration regulations.

**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.

**WHERE CAN I GO?**

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 investigations to solve problems.
- Experience working in a laboratory setting and operating equipment.
- Attention to detail and data analysis.
- Problem solving to adopt a systematic approach to problems.
- Oral and written communication for procedure laboratory reports and present a report to a group.

**WHAT WILL I LEARN?**

A degree in Life Sciences can equip you with:

- Oral and written communication for laboratory reports and present a report to a group.

**CAREER OUTLOOK**

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

**VISIT CAREERS.QUEENSU.CA/MAJORMAPS FOR THE ONLINE VERSION WITH LINKS!**

*This map is intended to provide suggestions for activities and careers, but everyone’s abilities, experiences, and constraints are different. Build your own Major Map using our online My Major Map tool.*
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.