

# Biology

There has never been a more exciting time to study and do research in biology, with subjects ranging from climate change and the conservation of biodiversity to the origin and evolution of life, and from the form and function of organisms to the ongoing “omics” revolution at the molecular level. Our program emphasizes interactive learning with hands-on experiential laboratories, field courses, small senior seminar modules, and independent research.

## TOP 5 Reasons To Study Biology

- 1 SWEP jobs provide students with true research opportunities, and start after first year.
- 2 QUBS: an off-site field station that provides students with opportunities to learn hands-on from their environment.
- 3 Courses are focused on cutting-edge topics in biology.
- 4 Interact closely with professors in class and during our many events held throughout the year.
- 5 Apply for an internship, with specific jobs for all types of biological study and research.

## Alumni Story

“The Queen’s Biology program was very well-rounded and definitely played a major role in helping to get where I am today. Not only did I learn a lot from the courses, but I also had the opportunity to do an independent research project and spend a summer doing fieldwork at Queen’s University Biological Station.”

-Sharon Zhang, BSCh '13

## TOP ALUMNI JOBS

10% of alumni work in GOVERNMENT & NON-PROFIT

13% of alumni work in BUSINESS & LAW

16% of alumni work in HEALTH CARE

35% of alumni work in EDUCATION

add a CERTIFICATE

Data Analytics

Disability and Physical Activity

Employment Relations

Entrepreneurship, Innovation and Creativity

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

## 2023-24 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](https://quartsci.com/planselection)

Interested in finding out how to augment your degree with Experiential Learning? Learn what opportunities and resources are available for you on the [Experiential Learning website](#). You can also reach out to the team directly at [asc.el@queensu.ca](mailto:asc.el@queensu.ca).

## Acquire Skills. Gain Experience. Go Global.

That is a degree from Queen’s.

[biology.queensu.ca](https://biology.queensu.ca)

# Biology MAJOR MAP

BACHELOR OF SCIENCE (HONOURS): MAJOR, MINOR



CONSIDER A 12-16 MONTH QUIP INTERNSHIP

**What will I learn?**  
A degree in Biology can equip you with:

- Develop knowledge of biological functions
- Use laboratory equipment and instruments
- Gain hands-on experience studying biology in the field
- Comply with quality control and safety regulations
- Collect and preserve organisms
- Design experimental studies
- Present literature and research findings in posters and seminars
- Observe and make measurements
- Write, review, and summarize reports/scientific writing
- Analyze and evaluate information
- Statistical analysis of biological data
- Solve quantitative problems

**Where can I go?**  
A degree in Biology 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:

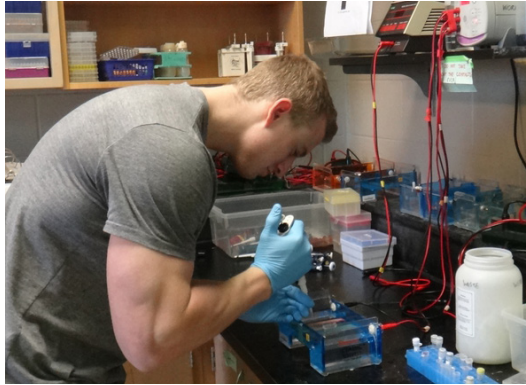
- Agricultural Sciences
- Bioeconomics
- Biotechnology
- Chiropractic
- Dentistry
- Environmental conservation
- Environmental sustainability
- Fisheries science
- Marine biology
- Medicine
- Medical technology
- Occupational therapy
- Oceanography
- Optometry
- Pharmacology
- Physical therapy
- Toxicology
- Veterinary medicine

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.

# Biology

# QUIP QUEEN'S UNDERGRADUATE INTERNSHIP PROGRAM



**START DATES**  
in 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

- 2nd or 3rd Year Students
- Minimum GPA of 1.9

## WHY QUIP?

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

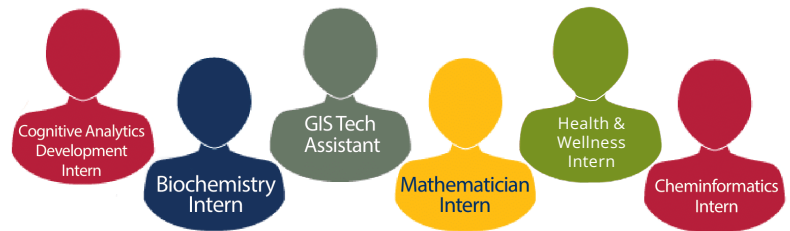
Get started thinking about the future now – where do you want to go after your degree? Having tentative goals (like careers or grad school) while working through your degree can help with short-term decisions about courses and experiences, but also help you keep motivated for success.

## 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.

## SAMPLE PAST INTERNSHIPS



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

## Why study in Kingston?

For 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.

*We're closer than you think.*



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