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.

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 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.

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

2022-23 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


That is a degree from Queen's.

biology.queensu.ca
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.

2ND YEAR

In first year you will have the chance to explore the foundations of Biology in biology, chemistry, geography and geology along with some electives.

Attend Majors Night in the Winter term to learn more about Plan options.

GET THE COURSES YOU NEED

In first year you will have the chance to explore the foundations of Biology in biology, chemistry, geography and geology along with some electives.

Attend Majors Night in the Winter term to learn more about Plan options.

GET THE COURSES YOU NEED

1ST YEAR

2ND YEAR

In second year, start going deeper into the discipline of Biology, while considering a minor and/or certificate such as Media Studies. Attend Degree+ in the Fall term to learn more about Certificate 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.

GET THE COURSES YOU NEED

3RD YEAR

A chance to start grouping courses in areas of interest, or to keep it more general and explore many areas of Biology.

Meet with an Academic Advisor to make sure you are on track and have planned out your courses for next year.

Consider independent research projects in faculty labs and in the field.

GET THE COURSES YOU NEED

4TH OR FINAL YEAR

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

CONSIDER A 12-16 MONTH QUIP INTERNSHIP

In first year you will have the chance to explore the foundations of Biology in biology, chemistry, geography and geology along with some electives.

Attend Majors Night in the Winter term to learn more about Plan options.

GET THE COURSES YOU NEED

In third year, you have the chance to start grouping courses in areas of interest, or to keep it more general and explore many areas of Biology.

Meet with an Academic Advisor to make sure you are on track and have planned out your courses for the next year.

In fourth year, you will have the chance to participate in research-based courses that can lead to graduate school or to your future career path. Make sure to finish up all your courses for your major and your optional minor and/or certificate(s).

CONSIDER A 12-16 MONTH QUIP INTERNSHIP

• Environmental sustainability
• Genetics
• Microbiology
• Molecular biology
• Plant biology
• Toxicology
• Veterinary medicine
• Wildlife conservation

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.

To make your own custom map, use the My Major Map tool.
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.

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.