There has never been a more exciting time to study 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 laboratories, field courses, and small senior seminar modules.

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 recognized globally.

For information, contact quip@queensu.ca or visit the Program Website.

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.

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 BIC 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 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.

DEPARTMENT OF BIOLOGY
Faculty of Arts and Science
Biosciences Complex
116 Barrie Street
613-533-6344
biology.queensu.ca
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.

### Biology MAJOR MAP *

**MAJOR MAP**

**1ST YEAR**
- Get the courses you need: In first year you will have the chance to explore the foundations of Biology in biochemistry, geography and geology along with some electives. Attend Majors Night in the Winter term to learn more about Plan options.

**2ND YEAR**
- Get relevant experience: Join teams or clubs on campus such as Queen’s First Aid, the Queen’s Association for Technology in Medicine and Biology (QATMB), the Queen’s Genetically Engineered Machine Team (QGEM) and the Queen’s Synthetic Biology Organization (QSYNBIO). See the AMS Clubs Directory or the Queen’s Get Involved page for more ideas.

**3RD YEAR**
- Get connected with the community: Volunteer on- or off-campus with different community organizations, such as Queen’s Health Outreach, Let’s Talk Science, and Women in Science & Engineering at Queen's University (WISE).
- 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. Speak to a QUIC advisor to get involved in their programs, events, and training opportunities.

**4TH OR FINAL YEAR**
- Get ready for life after graduation: Grappling with program decisions? Go to Majors Night or get some help considering career options from Career Services. Build your transferrable skills in time management, problem-solving, writing and more with Student Academic Success Services.

- 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 measure phenomena
    - Write, review, and summarize reports/scientific writing
    - Analyze and evaluate information
    - Present 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
    - Radiology
    - Veterinary medicine

- The coronavirus pandemic may impact how some activities are delivered in 2020-2021. Please check directly with the host of any activity on the map for the latest information.