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.

**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 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**

**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

**2018-19 thresholds**

- **1.9 GPA** AUTOMATIC ACCEPTANCE
  - min B in BIOL 103
- **1.6 GPA** PENDING LIST
  - min C- in BIOL 103

*Thresholds are made on a competitive basis and are updated annually. For the latest information please visit: QUartsci.com
A degree in Biology can equip you with valuable and versatile skills, such as:

- Develop knowledge of biological functions and processes
- 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 summarize reports and 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
- Environmental conservation
- Environmental sustainability
- Fisheries science
- Marine biology
- 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.
# Sample Year by Year

## 1ST YEAR
- BIOL 102/3.0
- BIOL 103/3.0
- CHEM 112/6.0
- 6.0 units from MATH 120/6.0; MATH 121/6.0 or (MATH 123/3.0 and MATH 124/3.0)
- 12.0 units of electives and/or minor

## 2ND YEAR
- BIOL 201/3.0
- BIOL 202/3.0
- BIOL 205/3.0
- BIOL 206/3.0
- BIOL 243/3.0 or STAT 269/3.0
- 3.0 units of CHEM at the 200 level
- 12.0 units of electives and/or minor

## 3RD YEAR
- BIOL 300/3.0
- BIOL 330/3.0
- 3.0 units from BIOL 339/3.0, BIOL 334/3.0, BIOL 341/3.0
- 9.0 units of BIOL options
- 12.0 units of electives and/or minor

## 4TH YEAR
### Seminar Option:
- 6.0 units of BIOL at the 400 level or above
- 12.0 units of BIOL at the 300 level or above, or from BIOL options
- 12.0 units of electives and/or minor

### Research Option:
- BIOL 537/12.0
- 6.0 units of BIOL at the 300 level or above, or from BIOL options
- 12.0 units of electives and/or minor

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Note that degree requirements are revised regularly. The most current requirements, including course lists and options, are available in the Academic Calendar at: [QUartsci.com/academic-calendar](http://QUartsci.com/academic-calendar)