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.

1.9 GPA AUTOMATIC ACCEPTANCE
min B in BIOL 103

1.6 GPA PENDING LIST
min C- in BIOL 103

"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

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
1ST 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.
See the back page for specific courses to consider.
Attend Majors Night in the Winter term to learn more about plan options.

GET THE COURSES YOU NEED

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 (QSYNBO).
See the AMS Clubs Directory or the Queen’s Get Involved page for more ideas.

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 QUCIC’s Intercultural Competency Certificate, and research possible immigration regulations.
Speak to a QUCIC advisor to get involved in their programs, events, and training opportunities.

GET READY FOR LIFE AFTER GRADUATION
Grasping 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 Support Services.

2ND 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 certificates 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

GET RELEVANT EXPERIENCE
Volunteering is a great way to get practical experience and build your CV towards getting Biology jobs during your degree.
Look into summer jobs by talking to the department or Career Services about work through SWEP or NSERC.

GET CONNECTED WITH THE COMMUNITY
Get involved with the Departmental Student Council (DSC). Start or continue volunteering with organizations.
If interested, attend conferences and talks like the Canadian Undergraduate Conference on Healthcare (CUCHC).

GET THINKING GLOBALLY
Is an exchange in your future? Start thinking about where you would like to study abroad. Apply in January for a third year exchange through the International Programs Office.
Look into a BIOL 307/317 Field Biology International Program.

GET READY FOR LIFE AFTER GRADUATION
Explore different careers of interest by reading books in the Career Services Information Area, such as Opportunities in Biotechnology Careers. For more information check out Career Cruising by or finding and connecting with alumni on LinkedIn.

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 — for some ideas, see the back page.

GET THE COURSES YOU NEED

GET RELEVANT EXPERIENCE
Volunteering is a great way to get practical experience and build your CV towards getting Biology jobs during your degree.
Look into summer jobs by talking to the department or Career Services about work through SWEP or NSERC.

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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).

GET THE COURSES YOU NEED

GET RELEVANT EXPERIENCE
Consider applying to research opportunities at Queen’s University Biological Station or through the Biology Undergraduate Summer awards.
Consider applying to do a 12-16 month QUIP internship between your third and fourth 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
Consider joining professional associations like Canadian Society for Molecular Biosciences, BIOTECanada, and the Canadian Society for Ecology and Evolution.
Join groups on LinkedIn reflecting specific careers or topics of interest in Biology.

GET READY FOR LIFE AFTER GRADUATION
Consider applying to research opportunities at Queen’s University Biological Station or through the Biology Undergraduate Summer awards.
Consider applying to do a 12-16 month QUIP internship between your third and fourth year.

What will I learn?
A degree in Biology can equip you with valuable and versatile skills, such as:

• 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
• Biochemistry
• 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.