1ST YEAR
For the Major or Specialization, take BIOL 102 and BIOL 103, CHEM 112, MATH 121, PHYS 117. For plan requirements or thresholds, see the Arts and Science website. Speak to an academic counselor at the Arts and Science Office or a program assistant at the Life Sciences and Biochemistry Program Office for help.

2ND YEAR
For the Major, in the Fall take BIOL 205, CHEM 281, PHGY 214. In the Winter, take CHEM 282, MIR 221. For the Specialization, in the Fall take ANAT 215, BIOL 205, CHEM 281, PHGY 214. In the Winter, take ANAT 216, BCHM 218, CHEM 282, MIR 221.

3RD OR FINAL YEAR
Majors: take 30 option units in 3rd and 4th year.
Specializations: See course requirements and stream options at the Arts and Science online calendar for the Life Sciences plan requirements. Contact the Program Assistant for help. Begin researching and securing a 499 Project for your fourth year.

4TH OR FINAL YEAR
Apply to graduate on SOLUS. Use the Academic Advisement Report to ensure you have the courses you need to graduate.
Students in specialization streams: ensure that you have declared your plan and have the right courses for the plan!
Investigate full-time jobs or other opportunities related to careers of interest. Assess what experience you’re lacking and fill in gaps with volunteering, clubs, or internships.

GET THE COURSES YOU NEED
For the Major or Specialization, take BIOL 102 and BIOL 103, CHEM 112, MATH 121, PHYS 117. For plan requirements or thresholds, see the Arts and Science website. Speak to an academic counselor at the Arts and Science Office or a program assistant at the Life Sciences and Biochemistry Program Office for help.

GET RELEVANT EXPERIENCE
Join teams or clubs on campus such as Queens Synthetic Biology Organization, Queen’s First Aid (UAEM) or the Voluntary Service To Eliminate Malaria. Consider volunteering at local charities.

GET CONNECTED WITH THE COMMUNITY
Volunteer on or off-campus with different community organizations, such as Let’s Talk Science, Queen’s Union on Tropical Access to Health, or local charities.

GET THINKING GLOBALY
Queens University International Centre will be your first stop to internationalizing your degree. Speak to a QUIC advisor or get involved in their many programs, events and training opportunities.

GET READY FOR LIFE AFTER GRADUATION
Grappling with program decisions? Go to different Major Nights by the departments or various Career Fairs in the year. Get some help deciding by visiting Career Services.

Visit careers.queensu.ca/majormaps.html for the online version with links!
LIFE SCIENCES MAJOR MAP

How to use this map
• Got questions about careers and classes?
• Feeling a little lost or overwhelmed by choices?
• Wondering what you are “supposed” to be doing?

Use this map to plan for success in five overlapping areas of career and academic life. Each map helps you explore possibilities, set goals and track your accomplishments. To make your own custom map, use the My Major Map tool.

Don’t stress if you haven’t done all of the suggested activities. The map is not a prescription—it’s a tool for finding your own way at Queen’s.

LIFE SCIENCES AT QUEEN’S

WHY STUDY LIFE SCIENCES AT QUEEN’S?
With courses from two Queen’s Faculties – the Faculty of Health Sciences and the Faculty of Arts and Science – Life Sciences is one of the most requested programs at Queen’s. The strength of our program lies in the integration of basic health sciences founded on a core of natural and physical science courses. In the final two years of the program you can choose one of the streams devoted to research: Cancer Research, Drug Development and Human Toxicology, Cardiorespiratory Science, Neuroscience, or you can select another focus of Biomedical Discovery or Biomedical Sciences.

WHAT PROGRAM OPTIONS ARE THERE?
- Specialization – Bachelor of Science (Honours) in Environmental Life Sciences
- Specialization – Bachelor of Science (Honours) in Life Sciences
- Major (Science) – Bachelor of Science (Honours) in Life Sciences
- General in Life Sciences – Bachelor of Science
- Minor in Life Sciences with Bachelor of Arts or Science

See the department website for course requirements: healthsci.queensu.ca/liscbchm/life_sciences

WHAT DO EMPLOYERS WANT?
In a recent survey from the Canadian Council of Chief Executives the top 6 skills sought by employers were:
1. People skills
2. Communication skills
3. Problem-solving skills
4. Analytical abilities
5. Leadership skills
6. Industry-specific knowledge

HOW DO I GET THE SKILLS I NEED?
It is important to develop a balanced skill set – many of which you will develop during your studies. To stand out from the crowd, gain experience outside the classroom through the multitude of clubs and activities in and around Queen’s. Check out ideas in the Get Relevant Experience section of this map.

WHAT CAN I LEARN STUDYING LIFE SCIENCES AT QUEEN’S?
- Knowledge of cellular structures, organic systems, organic chemistry, and the functions of the human body
- Understanding of statistical research methods, the scientific method and experimental design
- Research skills – ability to draw relevant information out of a large amount of data
- Experience working in a laboratory setting and operating equipment
- Attention to detail – analyze and interpret scientific data

WHAT MAKES ME SPECIAL?
You have a unique set of skills and experiences. Take the time to think about the skills you have personally developed at Queen’s. Explaining your strengths with compelling examples will be important for future applications to employers and further education. For help with this, check out the Career Services skills workshop.

Getting what you need to succeed in the workplace

See queensu.ca/studentaffairs for details

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