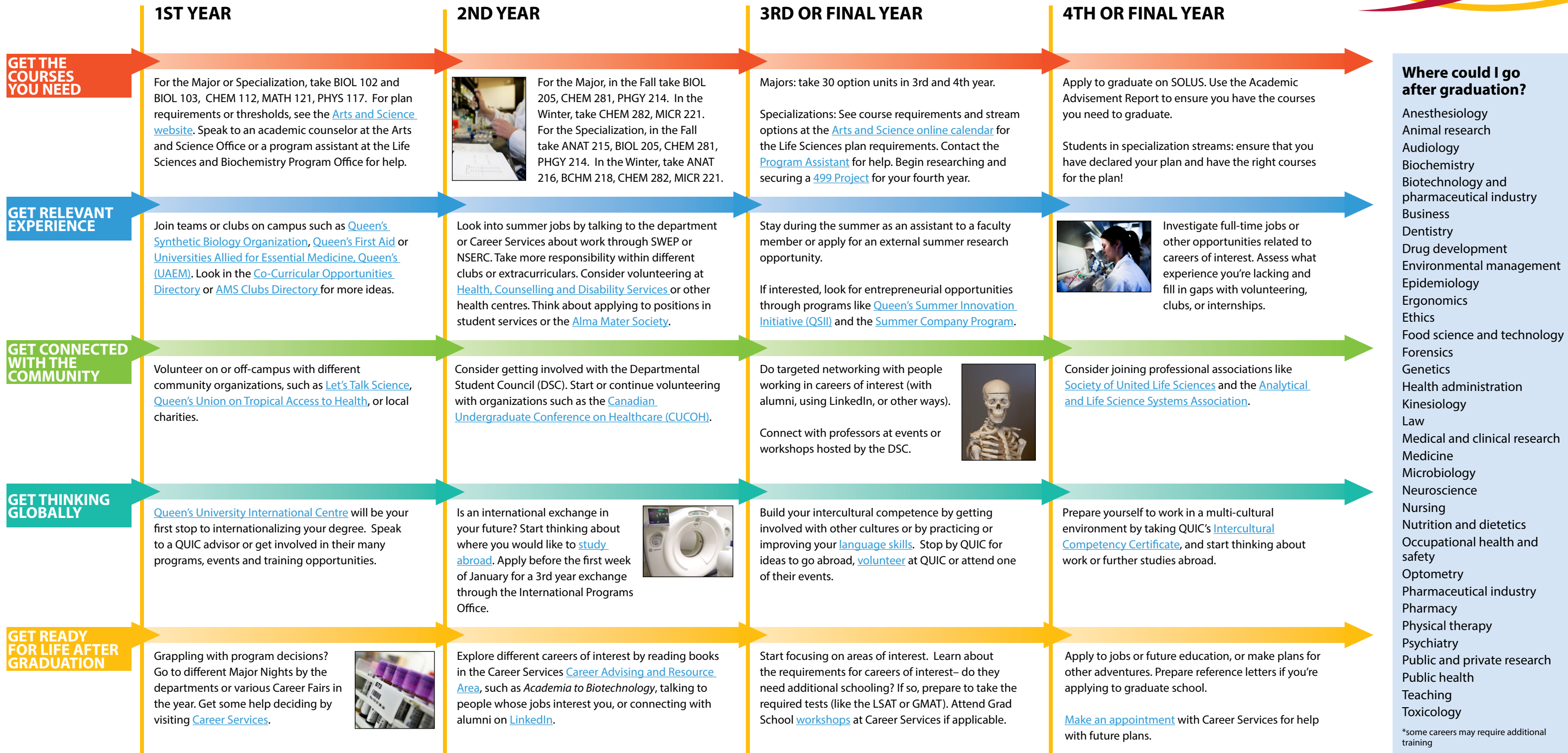


LIFE SCIENCES MAJOR MAP

Visit careers.queensu.ca/majormaps.html for the online version with links!



BACHELOR OF SCIENCE HONOURS (SPECIALIZATION, MAJOR, MINOR) | BACHELOR OF SCIENCE (GENERAL) | BACHELOR OF ARTS (MINOR)



Caution: *This map is meant as a guide to provide suggestions throughout your university career. The activities, resources, and careers mentioned are possibilities – you are not restricted to them and you don't have to follow this exact timeline. Every person (including you!) will find their own unique path through their degree at Queen's and beyond.



LIFE SCIENCES

MAJOR MAP FOR UNDERGRADUATES

2014 - 2015

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.



See queensu.ca/studentaffairs for details

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**
- **Problem solving – adopt a systematic approach to problems**
- **Oral and written communication – produce laboratory reports and present a report to a group**
- **Resource and time management**

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.



Life Sciences
and Biochemistry

PROGRAM OFFICE

Botterell Hall, Room 813

18 Stuart Street

613-533-2900

www.Healthsci.queensu.ca/liscbchm/biochemistry

www.dbms.queensu.ca/undergraduate/biochemistry