Biochemistry in the 21st century will continue to uncover the biochemical basis for life itself. Emerging knowledge in biochemistry will help unravel the molecular basis for diseases such as cancer and hypertension, and in turn, lead to the development of new tools for disease detection and new therapies for treatments and cures. Biochemists apply the basic principles of chemistry, mathematics, physics, and biology to the study of cellular processes; thus, a good grounding in these subjects is an integral part of the program.

**TOP 5 REASONS to study BIOCHEMISTRY**

1. Gain knowledge of chemical and biological processes within the human body and other organisms.
2. Work directly in our laboratories to become familiar with all types of equipment.
3. Build specific skills that employers are looking for in the industry.
4. Learn from top professors, who conduct research on cancer, reproductive health, and infection and disease.
5. Our internship program (QUIP) offers a range of careers to explore and companies to learn from.

**ALUMNI JOBS**

- 5% of alumni work in GOVERNMENT
- 11% of alumni work in PHARMACEUTICALS
- 17% of alumni work in HEALTH CARE
- 40% of alumni work in EDUCATION & RESEARCH

**alumni STORY**

“Queen’s Biochemistry facilitated my first step along the path of scientific research, and it taught me the skills to take all the steps that followed.”

- Tyler Vance, BScH ’13

**2018-19 thresholds**

- 2.9cGPA AUTOMATIC ACCEPTANCE min pass in CHEM 112
- 2.5cGPA PENDING LIST

*Thresholds are made on a competitive basis and are updated annually. For the latest information please visit: QUartsci.com*
Sample Year by Year

1ST YEAR
- CHEM 112/6.0
- BIOL 102/3.0
- BIOL 103/3.0
- 6.0 units from MATH 120/6.0; MATH 121/6.0 or (MATH 123/3.0 and MATH 124/3.0)
- 6.0 units from PHYS 104/6.0; PHYS 106/6.0; PHYS 117/6.0
- 6.0 units of electives and/or minor

2ND YEAR
- BCHM 218/3.0
- CHEM 211/3.0
- CHEM 212/3.0
- CHEM 222/3.0
- CHEM 223/3.0
- BIOL 243/3.0
- 12.0 units of electives and/or minor

3RD YEAR
- BCHM 313/3.0
- BCHM 315/3.0
- BCHM 316/3.0
- BCHM 317/6.0
- 15.0 units of electives and/or minor

4TH YEAR
- 6.0 units from BCHM 410/3.0 or BCHM 411/3.0 or BCHM 432/3.0
- BCHM 441/3.0
- 6.0 units of BCHM options
- 15.0 units of electives and/or minor

* Please note if you were admitted to the Plan prior to May 2018 your requirements are slightly different.

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