MORE WAYS YOU CAN:

GET THE COURSES YOU NEED

1ST AND 2ND YEAR

1st year: Take BIOL 102, 103, CHEM 112.
Check out program-specific courses such as CISC 271, 330, 471, 472.

GET RELEVANT EXPERIENCE

Join teams or clubs on campus such as the Queen’s Association for Technology in Medicine and Biology (QATMB), MEDLIFE and LifeBeat Newspaper.
Consider volunteering at local hospitals and health centres.

GET CONNECTED WITH THE COMMUNITY

Volunteer at or attend conferences such as the Canadian Student Conference on Biomedical Computing and Engineering and the Canadian Undergraduate Conference on Healthcare (CUCOH).

3RD AND 4TH YEAR

For upper year requirements, see the School of Computing website.

Look for research opportunities at Computing Research Groups, such as Medical Informatics Lab, Computer Assisted Surgical Interventions lab, the Medical Computer Lab or the Laboratory for Laboratory for Percutaneous Surgery.

Where could I go after graduation?

Medicine
Dentistry
Biotechnician
Medical application programmer
Medical or pharmaceutical Researcher
Neuroscience
Pharmacology
*some careers may require additional training

WHAT CAN I LEARN STUDYING BIOMEDICAL COMPUTING AT QUEEN’S?

• Knowledge of human anatomy and biological systems
• Computer programming and computational thinking
• Apply computational approaches to problems in the medical field
• Apply information technology to medicine

WHY STUDY BIOMEDICAL COMPUTING AT QUEEN’S?

Queen’s is the pioneer in undergraduate Biomedical Computing, one of the most promising fields in health research. This innovative program combines the problem-solving capabilities of Computer Science with the most advanced techniques of the life sciences, resulting in endless possibilities for Biological research and improvements in health care.

Caution: *This map is meant as a guide to suggest considerations throughout your university career. The activities, resources, and careers mentioned are possibilities – you are not restricted to them and don't have to follow this exact timeline.