

Biomedical Sciences

Frequently Asked Questions

How to I apply to the Biomedical Sciences program?

Students can apply directly from high school for admission into a Bachelor of Science in Biomedical Sciences (BSc (BMSC)). To apply directly students must meet the following criteria found under the 'Arts & Science-Biomedical Sciences' drop down [here](#):

Required grade 12 classes

- Biology 30
- Chemistry 30
- Foundations of Mathematics 30 or Pre-Calculus 30 (Pre-Calculus recommended)

A minimum grade of 70% is required in each of these courses.
(Physics 30 recommended)

What if I don't meet the requirements for admissions?

If you do not meet the minimum admission requirements, you can apply to the Arts & Science Bachelor of Science and transfer to the BSc (BMSC) once any deficiencies have been cleared.

How do I decide which Biomedical Science major is best for me?

We offer the following majors in the biomedical sciences:

- Biochemistry, Microbiology and Immunology - 4 year or honours
- Cellular, Physiological, and Pharmacological sciences - 4 year or honours
- Biomedical Neuroscience - 4 year or honours
- Interdisciplinary Biomedical Sciences - 4 year or honours
- Biomedical Foundations - 3-year degree

You will start with the two-year biomedical science core platform which provides you with an introductory exposure to cell biology, biochemistry, microbiology, physiology, and pharmacology. Once the core courses have been completed, then you have the opportunity to select one of the BMSC majors. This allows you to have a broad introductory experience before deciding which major suits you best. The 2-year sequence can be found [here](#).

What can I do with the Biomedical Foundations (BMF) 3-year degree?

Biomedical foundations (BMF) prepares you well for admission into health science professional programs such as nursing, pharmacy, or dentistry.

Are there opportunities to complete research in the biomedical sciences?

We offer a range of undergraduate research opportunities in our degree programs with a selection of courses that offer unique in-lab experience. Students can also pursue honours degrees with a focus on research in their final year and there are supplemental summer research opportunities. Our scientists work in a variety of fields such as vaccine development, cancer research, and immunology just to name a few.

What can I do with a Biomedical Science degree?

Biomedical Science degrees provide the following opportunities:

- preparation for graduate studies
- preparation for health sciences professional programs
- training for research and lab positions
- strong background to prepare for a career in scientific communications

If I want to apply into nursing or medicine, should I complete a BMSC degree?

If you plan to apply into nursing, you have specific requirements for your pre-professional year, however those classes all fit well into a BMSC program. For more information about nursing please visit the nursing drop in session.

If you plan to apply into medicine, you can complete any undergraduate degree, however, our BMSC degrees will provide a strong foundation in the health sciences that will prepare you for medicine as well as writing the MCAT. For more information about medicine we suggest visiting the medicine drop in session and viewing their brochures.