

# Biological Science

**Why** is biodiversity so important for a healthy planet?

**Can** we map and understand the function of whole genomes?

**What** biomolecules can we use to fight disease?

**How** do environmental contaminants affect organism health?

**What** kinds of food help our immune system?

**Will** microbes be the biofactories of the future?

Biological science is the study of life at various levels of organization—from genomes to ecosystems. Our program combines a comprehensive study of central topics in biology, with the flexibility to take elective courses in different science disciplines.

Master the foundational areas of cell and molecular biology, genetics, microbiology, diversity and ecology, physiology, and biochemistry. Academic advisors are available to customize your degree to match your academic interests and career plans.

Augment your learning experience through our five-year co-op option.

**Gain an advanced understanding of the fundamental properties and functions of living organisms, while studying in our technology-enhanced classrooms, modern laboratories and high-tech research facilities.**



## What will I study?

- Bioethics
- Cell Biology
- Developmental Biology
- Fundamentals of Microbiology
- Genetics and Molecular Biology
- Infection and Immunity
- Introduction to Organic Chemistry
- Plant Biology

## What can I do with my degree?

- Conservation Biologist
- Environmental Consultant
- Laboratory Technician
- Microbiologist
- Pharmaceutical research and development
- Secondary School Teacher (through Concurrent Education)

An undergraduate Biological Science degree allows you to pursue graduate studies. This includes our Master of Science program in Applied Bioscience.

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## Want more information?

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