## **Applied Biotechnology**

How can we use the human genome to discover new pharmaceuticals?

How are pharmaceuticals brought to market?

What is the link between biotechnology and drug discovery?

Can we win the war against infectious diseases and cancer?

Biotechnology is a rapidly growing area with many applications in health, agriculture and industry. This specialization combines a primary emphasis on biology and chemistry.

You'll build a strong understanding of cell and molecular biology, microbiology, pharmacology, biochemistry, and physiology, as well as benefit from enhanced laboratory experience.

The field of pharmaceutical biotechnology encompasses the discovery, development and production of products that save and improve lives.



## What will I study?

- Advanced Biochemistry
- Advanced Microbiology
- Advanced Topics in Pharmaceutical Biotechnology
- Applied Molecular Biology

- Functional Genomics and Proteomics
- Genetics and Molecular Biology
- Laboratory Methods in Molecular Biology

## What can I do with my degree?

Pursue a career and advanced education opportunities in a variety of areas including:

- Biotechnology
- Clinical safety and regulation
- Government or private research laboratories
- Medical science and discovery research
- Quality assurance
- Technical and instrument support

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

## Want more information?

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