

Department of Biology

Biology for Health Science Major

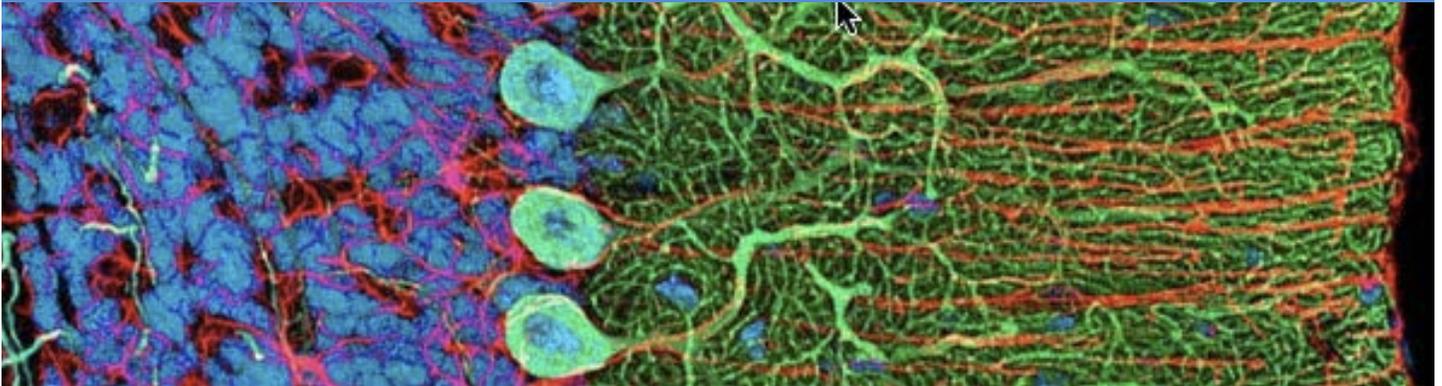


Photo from <http://faculty.sdmiramar.edu/dtrubovitz/Physiology>

What is the Biology for Health Science Program?

This program focuses on areas of biological science that relate to the health of humans and will provide a strong foundation for students interested in pursuing a career in the health sciences.

Why Study Health Sciences at UTM?

- Learn from the best – dedicated teaching staff including over two dozen faculty and sixty graduate students and post-doctoral fellows
- Learn about the latest discoveries & research – our faculty do state-of-the-art research, which translates directly into our course curriculum
- Lab courses are offered in a number of different areas to familiarize students with techniques and experimental design

Career Paths

- Research
- Education
- Medical, Dental, Pharmacy, Nursing,
- Physical & Occupational Therapy and Counseling

First-Year Life Sciences at UTM

All Biology for Health Science program students complete the following courses in their first year:

- **BIO152H5** – Intro to Evolution & Evolutionary Genetics
- **BIO153H5** – Diversity of Organisms
- **CHM110H5** – Chemical Principles I
- **CHM120H5** – Chemical Principles II
- **MAT134Y5** – Calculus for Life Sciences

How Do You Study Health Sciences at UTM?

Biology for Health Science Major (8.5 credits)

As part of your degree requirement the 'Biology for Health Sciences' Major would be academically complemented by a Major in Psychology, Anthropology, Exceptionality in Human Learning, Forensic Science, and Chemistry, as well as other disciplines such as the Major in Management. This major program would also be complemented by a Minor in Biomedical Communications (Science).

Courses to Look Forward To!

The department of Biology offers more than 50 undergraduate courses. Students in the Biology for Health Science Program complete a series of common second year courses and then they choose one of three streams of upper year courses based on their specific interests.

Required courses:

- **BIO202H5**: Introductory Animal Physiology
- **BIO206H5**: Introductory Cell & Molecular Biology
- **BIO207H5**: Introductory Genetics
- **BIO210Y5**: Fundamentals of Human Anatomy & Physiology
- **BIO304H5**: Integrative Animal Physiology I
- **BIO310H5**: Integrative Animal Physiology II
- **BIO380H5**: Human Development
- **STA215H5**: Introduction to Applied Statistics

Students choose the remaining 1.0 credits from a list of courses in one of three streams:

- Cell, Molecular & Biotechnology
- Neuroscience
- Genes & Behaviour

Experiential Learning in Health Science at UTM

We offer a wide-range of unique learning opportunities across all of our disciplines:

- **Research Opportunity Program (ROP)** – participate in original research with a professor, learn research methods, and share in the excitement and discovery of acquiring new knowledge
- **BIO481 - Senior Research Project**: conduct an independent research project under the supervision of a faculty member; learn how to design, carry out, and analyze and evaluate results/data
- **BIO400 – Internship**: learn to apply biology knowledge and skills through a 200-hour work placement in the private or public sector
- **BioPath Professional Development Program**: two-year program open to all biology students. The program aims to facilitate the development of transferrable skills that will help students be successful beyond university.

Departmental Events

The Biology Department offers exciting opportunities for students to expand their interest in biology through a weekly departmental seminar featuring exciting guest speakers from across North America as well as our popular "Walk with your Professor" series where participants are led on a nature walk through the beautiful Mississauga campus.

For more information on career options, please visit the Career Centre site
<http://www.utm.utoronto.ca/careers/>.

For more information on these programs, please explore our Academic Calendar -
<https://student.utm.utoronto.ca/calendar/calendar.pl>.