

A close-up photograph of a butterfly with black wings and white markings, perched on a green leaf. The background is a soft-focus green.

IT'S A BIG JOB
BEING CURIOUS.

-Anonymous

ABOUT BIOLOGY

Biology is the study of life and living organisms, including their structure, function, growth, origin, evolution and distribution. The core of our program rests on central concepts in genetics, ecology, evolution, cellular and molecular biology and physiology. Throughout our program, students gain an appreciation for the multifaceted nature of the field while our concentrations encourage students to explore areas that align with their own interests and career goals.

DEGREES OFFERED

- B.Sc. major or honours in biology

Optional concentrations are available in:

- Applied ecology and conservation
- Aquatic life
- Biological tools and techniques
- Biology for health professions
- Comparative biology
- Evolutionary ecology
- Molecular, microbial and cell biology

A joint major or honours in marine biology, administered by the departments of Biology and Ocean Sciences, is also offered.

The following joint honours programs are also offered: biology/earth sciences (geology), biology/psychology, biology/psychology (behavioural neuroscience), biology/statistics, cell biology/human biosciences.

A minor in biology is available.

The Biology Co-operative Program is available to biology majors and honours students, except for the joint major in marine biology. The program provides an opportunity for students to learn valuable practical skills while working in fields related to biology. Students complete three work terms which consist of full-time paid employment.

BIOLOGY AT MEMORIAL

Many of our undergraduates become involved in research through ISWEP, MUCEP and summer research programs. They do research in areas such as: systems biology and bioinformatics, wildlife and landscape ecology, infectious disease modeling, plant pathology, functional and conservation genomics, fish reproduction, and wildlife microbiology.

CAREERS

- Bio or medical technologist
- Dentistry
- Fisheries biologist
- Fisheries officer
- Epidemiologist
- Horticulturalist
- Immunologist
- Marine or aquacultural biologist
- Medical doctor
- Occupational therapy
- Optometry
- Park ecologist
- Research scientist
- Science teacher
- Wildlife or conservation officer
- Veterinarian

FOR MORE INFORMATION

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