

Biology (BSc)

Biology is the study of life, and this program offers students exciting opportunities to explore and enhance their understanding of the world in which we live.

By choosing to study biology at Acadia you will work closely with your professors to explore all facets of life – from molecules to ecosystems and from marine to arctic terrestrial systems.

A key component of many labs is the study of whole organisms. Acadia offers a balance of state-of-the art indoor and outdoor laboratory experiences, enhanced by the diversity of local habitats, as well as preserved specimens available from the E.C. Smith Herbarium and Acadia Wildlife Museum.

You will tackle current issues with hands-on learning that integrates theory, techniques, and practical approaches to biology. Our research programs immerse students in a diverse array of topics. Developing critical thinking skills and communicating science are key aspects in our teaching philosophy. Biology students graduate with a comprehensive understanding of whole-organism biology and competency in scientific methodology developed through a process of creativity, independence and ownership of the learning process.

Our small upper-level classes, focus on student-centred learning, and dedication to undergraduate research are only a few of the reasons why so many of our graduates move on to successful careers in the health sciences, environment, education, wildlife, industry, and government.

Be Inspired

Acadia is located near tidal mud flats of the Bay of Fundy (named one of the Seven Natural Wonders of the World) and within the Annapolis Valley, so our location provides you with access to a variety of ecosystems including aquatic, wetland, farm, and forest. These habitats are used in field-based course work to give you a balance of outdoor and indoor laboratory experiences throughout the year.

Many of our research programs are community-driven, providing an enhanced, real-world experience for you. The Biology Building is the newest academic building on Acadia's campus and is built to Gold Level Leadership in Energy and Environmental Design (LEED®) standards set by the Canada Green Building Council – a first for academic science buildings in Atlantic Canada. The building uses geothermal energy, recycled rainwater, automatic sensor lights, and other environmental innovations. Students also work alongside professors in the K.C. Irving Environmental Science Centre – one of our most beautiful architectural features, a student favourite, and a nationally-recognized centre of excellence.

Future Careers

- Aquatic ecologist
 - Biology teacher or professor
 - Biomedical researcher
 - Botanist
 - Conservation biologist
 - Dentist
 - Geneticist
 - Lab technician
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- Pharmacist
 - Physical therapist
 - Physician
 - Surgeon
 - Veterinarian
 - Wildlife ecologist
 - Zoologist

First Year at a Glance

Semester One

BIOL 1113

Organisms & their Environment 1

CHEM 1013

Fundamental Chemistry 1

ENGL/LANG xx13

English or another language

ARTS xxx3

Introductory arts course

SCIENCE xxx3

Introductory science course

Semester Two

BIOL 1123

Organisms & their Environment 2

CHEM 1023

Fundamental Chemistry 2

ENGL/LANG xx23

English or another language

ARTS xx23

Introductory arts course

SCIENCE xx23

Introductory science course

[Apply](#)

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Co-op Available: Yes

Health Sciences Option Available: Yes

Honours: Thesis-based, with research

Get Involved:

Acadia Biology Society

Acadia Environmental Society

Acadia Pre-Health Society

Women in Science and Engineering (WISE)

Contact

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