



**UNIVERSITY
OF ALBERTA**

Department of Biological Sciences

Unique Offerings

Museums & Collections

From parasites and marine invertebrates to paleobotanical specimens, we are home to several world-class museums and collections. The **E.H. Strickland Entomological Museum** alone houses over one million specimens, including nearly 300,000 specimens from the beetle family and over 108,000 specimens of moths and butterflies.

Take a virtual tour of these spaces at uab.ca/scitours.

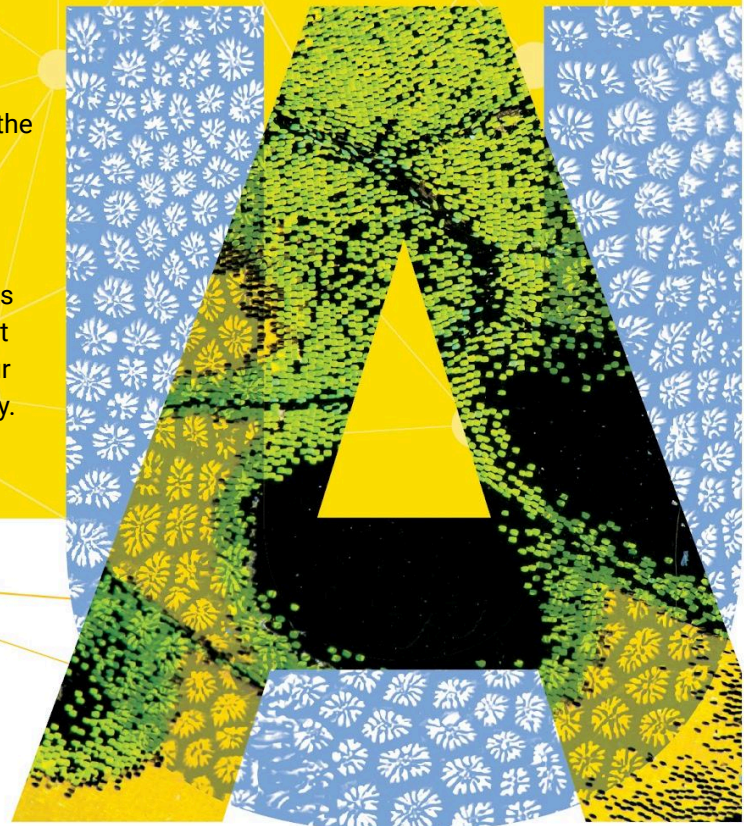
Redefining the Classroom

Our biology program is ranked **2nd in Canada** and offers the highest number of **laboratory hours** and **experiential learning** opportunities for undergraduate students.

Learn from experts at your own pace through interactive **Massive Open Online Courses (MOOCs)**. BUGS 101 offers an introduction to the critical importance of human-insect interactions, while Mountains 101 and Dino 101 (Dinosaur Paleobiology) offer unique perspectives on natural history. Explore more at uab.ca/mooc.

More Information

biougrad@ualberta.ca
uab.ca/biosci



Undergraduate Programs

BIOLOGICAL SCIENCES - BSc Major/Minor | BSc Honors

This flexible degree allows students to choose from over 130 undergraduate courses spanning a wide variety of topics, offering a comprehensive education in the biological sciences.

ECOLOGY, EVOLUTION & ENVIRONMENTAL BIOLOGY - BSc Major | BSc Honors

These programs introduce students to the study of how organisms interact with their environment, the diversity of life both past and present, and the mechanisms behind evolutionary change.

MOLECULAR, CELLULAR & DEVELOPMENTAL BIOLOGY - BSc Major | BSc Honors

These programs introduce students to molecular structures and cellular processes that underpin the function, reproduction, and development of all living organisms.

IMMUNOLOGY & INFECTION - BSc Major | BSc Honors

These programs focus on infectious diseases from a dual perspective, examining both pathogens and the host immune system, and are jointly offered with the Faculty of Medicine and Dentistry.

INTEGRATIVE PHYSIOLOGY - BSc Major | BSc Honors

Study the processes that occur within living organisms including the regulation of physiological functions at the subcellular, cellular, tissue, organ and whole organism levels, as well as their integration and interaction within the body.

PALEONTOLOGY - BSc Major | BSc Honors

Investigate the evolutionary history of life through the fossil record, studying patterns and processes of evolution from billions of years ago to the present. These programs are jointly offered with the Department of Earth and Atmospheric Sciences.

Possible Careers

Career opportunities in biology are numerous, varied, and continually expanding. Graduates can pursue roles such as:

- Biomedical Researcher
- Botanist
- Conservation Biologist
- Environmental Consultant
- Forensic Laboratory Analyst
- Geneticist
- Healthcare Professional
- Laboratory Technologist
- Microbiologist
- Science Educator/Writer/Communicator
- Scientific/Pharmaceutical Sales
- Wildlife Biologist



For admission requirements: ualberta.ca/admissions

For admission related questions: science.recruiting@ualberta.ca

Updated July 2024