



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** houses over one million specimens, with close to 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.

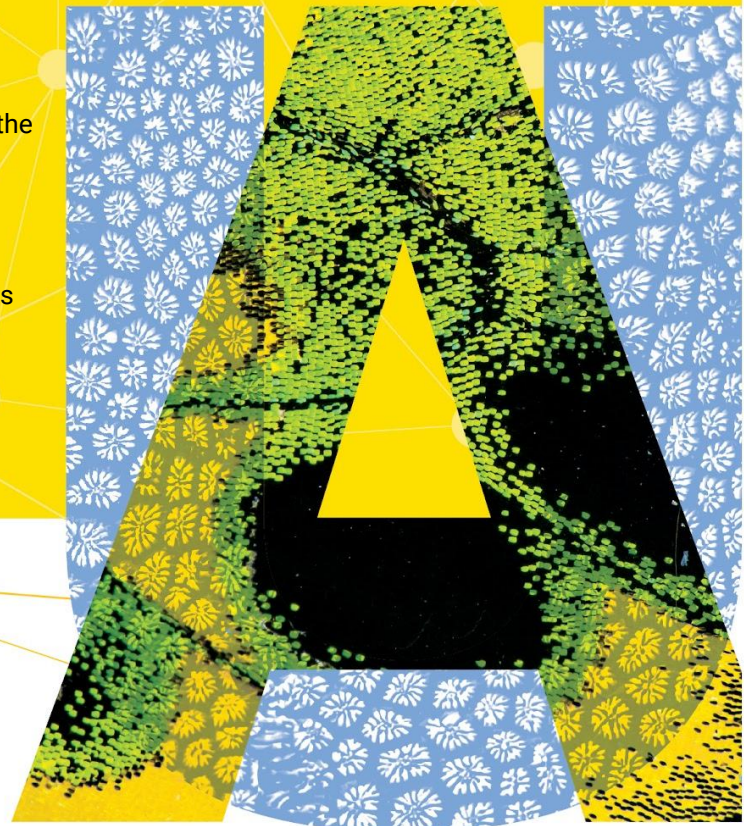
Redefining the Classroom

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 a critical introduction to the importance of human-insect interactions. Courses include Mountains 101, Ancient Marine Reptiles and more at uab.ca/mooc.

More Information

biougrad@ualberta.ca
uab.ca/biosci



Undergraduate Programs

BIOLOGICAL SCIENCES - BSc Major/Minor

This flexible degree allows students to choose from over 130 undergraduate courses spanning a wide variety of topics.

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

These programs introduce students to the study of the interactions of organisms with their environment, diversity of organisms both extant and extinct, adaptations and mechanisms behind evolutionary change.

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

These programs introduce students to molecular structures and processes of cellular life and their roles in the function, reproduction and development of living organisms.

IMMUNOLOGY & INFECTION - BSc Major | BSc Honors

These programs focus on infectious diseases from both the pathogen and host immune system perspectives and are jointly offered with the Faculty of Medicine and Dentistry.

INTEGRATIVE PHYSIOLOGY - BSc Major | BSc Honors

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

PALEONTOLOGY - BSc Major | BSc Honors

These programs are concerned with the evolutionary history of life beginning billions of years ago, examining patterns and processes of evolution as preserved in the fossil record. These programs are jointly offered with the Department of Earth and Atmospheric Sciences.

Possible Careers

Career opportunities in biology are numerous, highly varied and constantly expanding.

- Aquatic Technician
- Botanist
- Ecologist
- Entomologist
- Environmental Education Specialist
- Field Biologist
- Cancer Researcher
- Conservationist
- Forensic Laboratory Analyst
- Geneticist
- Healthcare Professional
- Pharmaceutical Sales



For admission requirements: ualberta.ca/admissions

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

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