



UNIVERSITY
OF ALBERTA

Department of Earth & Atmospheric Sciences

Unique Offerings

Field School Opportunities

Thanks to international partnerships and the university's close proximity to unique learning sites, students have unparalleled access to the most coveted field locations in the world, from Jasper National Park, Canada all the way to Curitiba, Brazil.

Museums & Collections

We are home to a number of museums and collections such as the **Paleontology Museum** which houses specimens ranging in age from over 600 million to 10,000 years. Visit ualberta.ca/earth-sciences/facilities to learn more.

Shaping the World

Conduct **undergraduate research** and work alongside professors who track fireballs and their meteorites, preserve fragile permafrost records of past life, and fingerprint volcanic eruptions to complete climate puzzles.



More Information

eas@ualberta.ca
ualberta.ca/eas

Undergraduate Programs

EARTH SCIENCES - BSc Major/Minor | Honors

As the #1 program of its kind in Canada, students have access to a wide breadth of courses and topics to explore.

- **CLIMATE DYNAMICS - Minor (optional)**

This minor provides an introduction to the physics and chemistry of the oceans as well as interpreting weather prediction models and atmospheric composition.

ENVIRONMENTAL EARTH SCIENCES - BSc Major | Honors

Programs examine the interactions between the physical, biological, and human components of the Earth to understand our local and global environments and provide solutions to environmental problems.

GEOLOGY - BSc Major | Honors

Geology is the study of the solid Earth, its structure, the rocks of which it is made, and the processes that affected it through time. Our geology degree is certified by the Association of Professional Engineers and Geoscientists of Alberta (APEGA) and field work is an important component of this program.

PALEONTOLOGY - BSc Major | Honors

Paleontology programs are concerned with the evolutionary history of life beginning billions of years ago, examining and explaining the patterns and processes of evolution as preserved in the fossil record.

HUMAN GEOGRAPHY - BA Major/Minor | BSc Minor | BA Honors

These programs focus on relationships between human societies and the built and natural environments in which they operate. Key interests include: the social and spatial characteristics of towns, cities, and regions; the ways in which places and communities can support health and wellbeing; the impacts of environmental changes and hazards on households and communities.

PLANNING - BSc Major | BA Major | BSc Honors

The Planning program educates students on how to weigh multiple public interests and to work collaboratively with various stakeholders to shape decisions about land, resources and services to create healthy, sustainable communities. The **Bachelor of Science in Planning** focuses on natural science elements of planning, including environmental management and the use of geographic information sciences. The **Bachelor of Arts major in Planning** focuses on the aesthetic, economic, and social issues of planning.

Possible Careers

- City planner
- Geologist
- Environmental consultant
- Sustainability Coordinator
- Global change researcher
- Hydrogeologist
- Museum curator
- Oceanographer
- Paleontologist
- Policy Analyst



For admission requirements: ualberta.ca/admissions

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