Faculty of Science

GEOLOGY

Bachelor of Science (BSc)

Geologists study the history, composition, and physical aspects of our planet. The entire world will be your laboratory, as geology is the most outdoor-oriented discipline of the basic sciences. During the course of your studies, much of your learning will occur in class and during tutorials. You may also gain hands-on experience conducting research at field schools within both Canada and the United States.

Did You Know?

We offer study abroad programs in more than 40 countries, and also provide funding opportunities to help cover the costs!

Awards

BUILDING ON THE VISION SCHOLARSHIP - UP TO $5,500
CHANCELLOR’S CLUB SCHOLARSHIP - UP TO $10,000 (RENEWABLE)

Job Titles

CONSERVATION OFFICER
GEOLOGIST
RESEARCH SCIENTIST

Student Clubs

GEOLOGY STUDENT CLUB
STUDENTS OF THE ARTS AND SCIENCE HONOURS ACADEMY

Rick Warters
BSc ’82
Past president and founder of the University of Calgary Geoscience Alumni Committee, Warters is currently vice-president, North American subsurface development at Repsol. Previously, he held senior leadership roles at ConocoPhillips and Talisman Energy.

I had the opportunity to participate in field schools where I was able to map the regional geology of various areas. I attended field school in different areas of Alberta, British Columbia, and Montana, and it was a very fun experience. This type of knowledge cannot be taught in the classroom, and is an important skill to have when pursuing a career in geology.

Inayat D., geology student

View Program
Requirements

1 Visit ucalgary.ca/future-students/undergraduate/explore-programs
2 Select your program
3 Select your type of admission (high school or transfer)
4 Choose the location of your high school

Sample First-Year Courses

FALL

Principles of Geoscience (GLGY 201)
General Chemistry: Structure and Bonding (CHEM 201) or Foundations of Chemistry: Structure and Bonding (CHEM 211)
Calculus (MATH 249, 265 or 275)
Mechanics (PHYS 211 or 221)
Non-science option

WINTER

Applications of Geoscience (GLGY 202)
Chemistry (CHEM 201, 203 or 211)
Calculus (MATH 267 or 277)
Introductory Electromagnetism, and Thermal Physics (PHYS 223)
Non-science option