GEOSCIENCE

Geology is the study of the Earth, its history, formation, materials, structure and processes. The Department of Geology offers several degree pathways that lead to accreditation as a Professional Geoscientist (P. Geo.). We offer BSc major and honours in Geology and BSc major and honours in Environmental Geoscience and BSc Geology Co-op streams. The department has an active graduate program, offering MSc, PhD, Postdoctoral, visiting scientist and mentorship opportunities. We have strong links with industry and government and our graduates have gained employment in over 25 different careers.

Graduates with a BSc or BSc Honours in Geology or Environmental Geoscience are eligible to apply for membership in the Association of Professional Engineers and Geoscientists of Saskatchewan (APEGS).

Geography is the study of environmental phenomena in their locational context. This includes aspects of both the human and physical environment, such as settlement, population, economy, topography, climate, vegetation, and water. Students may pursue their studies in Geography and Environmental Studies through the Faculty of Science or the Faculty of Arts.
CAREER POSSIBILITIES

Cartographer
Economic Geologist
Environmental Law
Exploration Geologist
Field Geologist
Geochemist
Geological Consultant
Geophysicist
Glacial Geologist
Museum Curator
Parks & Natural Resources
Palaeontologist
Petroleum Geologist
Petrologist
Prospector
Structural Geologist
Volcanologist
Waste Management

HIGH SCHOOL ADMISSION REQUIREMENTS FOR THE FACULTY OF SCIENCE

5 Grade 12 courses including:
• English A30
• English B30
• Pre-Calculus 30

and at least two of :
• Biology 30
• Calculus 30
• Chemistry 30
• Computer Science 30
• Physics 30

A High School Average of 70% across these five courses is required.

Note: Students who are missing a course, or who have an average between 65% and 69.9% are eligible for the Faculty of Science Qualifying Program.

COURSE HIGHLIGHT

GEOG 421 - Meteorology - Climatology
Continuing from topics covered in previous courses, the class will focus on aspects of the atmospheric sciences, at diverse scales, with special reference to Prairie Canada. Operational and theoretical concerns will be emphasized with practice offered in forecasting techniques and research. Critical review and use of current research, literature and techniques in the atmospheric sciences will be a necessary component.

GEOL 429 - Glacial and Periglacial Geoscience
An advanced course relating to cold environments and physical processes. Topics cover the physics of glaciers, glacial and periglacial processes and resulting erosional and depositional landforms and landscapes. Special attention will be paid to the Canadian Arctic environment and the history of glaciation in North America. Lab time is used to conduct short experiments, measure the snow pack and examine glacial sediments to add to our understanding of glacial processes.

GEOL 451 - Geology of North America
Geology and geological history of North America, with emphasis on Canada. The nature of continental assembly, crustal evolution and geodynamics through time, and comparative studies of lithostratigraphy and magmatism in relation to geotectonic environment. Phanerozoic sedimentary basins.

RECOMMENDED FIRST YEAR COURSES

Chemistry 104
Chemistry 105
Computer Science 110
English 100
English 110
Geography 121
Geology 102
Geology 201
Mathematics 110
Statistics 100
Statistics 160

*Always check that you meet course prerequisite requirements.