



# EARTH SCIENCE CO-OP STUDENTS

ANAYTICAL | ORGANIZED | OBSERVANT

## ACADEMICS

Scientists in this field study and interpret the Earth's evolution as revealed by its atmosphere, ocean and fresh waters, soils, rocks, minerals, and fossils; explore and develop valuable resources; and evaluate and measure the environmental changes arising from human activities. This degree prepares students for postgraduate studies, as well as a wide range of careers in geology, climatology, environmental science, resource exploration, renewable energy development, government, industry, and financial institutions where Earth Sciences knowledge is vital for investments and economic planning. Options in the B.Sc. are geoscience, environmental science and Earth science, joint programs, and non-specialist courses for students interested in acquiring a better understanding of our planet. An important component of the instruction includes exercises involving real data acquisition and analysis in the field and lab, and the development of data analysis skills.

## EARTH SCIENCE CO-OP JOB EXAMPLES

Environmental Co-op

Data Analyst

Water Quality Analyst

Risk Management Co-op

Geology Co-op

Junior Project Coordinator Co-op

Natural Resources Strategy Co-op

Co-op Student Geologist

Science Facilitator

Landfill Development Assistant

Environmental Consulting Co-op

Laboratory Research Assistant

Waste Water Treatment Co-op

Quality Control Sampler

Research Assistant

Technician Co-op

Water Supply Analyst

Field Technician

Project Coordinator

Junior Hydrogeologist

Training Coordinator

## EARTH SCIENCE CO-OP STUDENTS HAVE...

1. **Investigative Skill:** knowledge of the origin, composition, and evolution of the Earth, and how the Earth system responds to internal and external forces;
2. **Research Ability:** Effectively collect, analyze, and interpret data and research results;
3. **Observational Skills:** Ability to participate in field observation and take appropriate measurements, and data collection, documentation; and
4. **Confidence:** Collaborating, contributing, and listening to the ideas of others.



STFX  
UNIVERSITY

Co-operative Education