

GEOLOGICAL TECHNOLOGY



Courtesy: Yukon College

Work in a dynamic, well-paid career while enjoying the beauty of the Yukon's Outdoors. The mining boom needs enthusiastic, field-savvy workers with a strong grasp of geology, geophysics, field-savvy workers with a strong grasp of geology, geophysics and mineral exploration techniques—and Yukon's College Geological Technology program can provide that knowledge base.

Most program graduates can expect to be employed as soon as they complete their certificate or diploma, and students are certain to make important contributions to society and the local economy.

GENERAL LEARNING OUTCOMES

In the first year students will take core courses covering a wide range of foundational knowledge and skills. Two field schools will provide students with an initial understanding of field practices and safety procedures. The second year builds upon this foundation with more industry-specific instruction in areas such as exploration geophysics, mineral processing, contaminant remediation, and assaying. Competencies acquired include rock and mineral identification, structural analysis, geologic computing, technical communication, project management and workplace safety.

PROGRAM LENGTH

1-year certificate, 2-year diploma

TUITION and FEES

yukoncollege.yk.ca/tuition

CREDENTIAL and CREDITS

Certificate, 42 credits

Diploma, 36 credits

COURSEWORK TOPICS

The 961.5 hour first-year certificate program consists of 19 courses delivered, including an Introductory Geology Field School (45 hours) and an Intermediate Geology Field School (90 hours).

Among the required courses, Mandatory Safety Training Courses need to be completed (certificate), and they include: FAC 002, SAFE 001, TDG 001, WFA 010, and WHMS 001

The 793-hour second-year diploma program consists of 13 courses delivered, including a spring field course (Fundamentals of Surveying).

1.800.661.0504

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ADMISSION REQUIREMENTS

- English 12, Math 11 (Principles or Pre-Calculus; minimum 65%) and Chemistry 11; OR
- Mature Student Status with acceptable scores on College Assessments and/or GED® for English and Math prerequisites, as well as Chemistry 11 (or equivalent); OR
- Yukon College prerequisite courses ENGL 090, MATH 050 (minimum B-) and CHEM 050, with COMP 040 recommended.

MORE PROGRAM INFORMATION

Centre for Northern Innovation in Mining

yukoncollege.yk.ca/programs

t. 867.456.8605

jcubley@yukoncollege.yk.ca

ADMISSIONS AND REGISTRATION

yukoncollege.yk.ca/admissions

t. 668.8710 or tollfree 1.800.661.0504

admissions@yukoncollege.yk.ca

PROGRAM DESCRIPTION

Geological technology programs in Canada have produced a class of highly skilled workers whose knowledge base reflects an integral balance between classroom learning and practical skills. Graduates from such programs have found jobs working for mining and petroleum companies, consulting geology and engineering firms, government and educational institutions. The Geological Technology program at Yukon College prepares students for employment in a number of capacities in the mineral exploration, mining and environmental geology fields. The strong background in mathematics and the physical sciences provided by this program will enable students to succeed in an increasingly technical discipline, while the comprehensive introduction to field techniques equips students with the hard skills needed to work efficiently in a remote setting.

YUKON FIRST NATIONS CORE COMPETENCY

Yukon College recognizes that a greater understanding and awareness of Yukon First Nations history, culture and journey towards self-determination will help to build positive relationships among all Yukon citizens. As a result, you will be required to achieve core competency in knowledge of Yukon First Nations. For details, please see www.yukoncollege.yk.ca/yfnccr.

ADDITIONAL COSTS

Additional costs above and beyond college tuition are associated with this program of study. These costs include transportation to and from field school sites, accommodation and food during field school, and health and safety modules administered during field schools and the Exploration and Mining Safety class (GEOL103). In addition, students are required to purchase their own basic geology field equipment, including sturdy hiking boots, rock hammers, field notebooks, and hand lenses. The course outline for each individual class will contain detailed information regarding the costs specific to that course.