

APPLIED EARTH & ENVIRONMENTAL STUDIES

View on YouTube (<https://www.youtube.com/watch?v=De1O9Mr58lo>)

Applied Earth and Environmental Studies is a one-year certificate program that emphasizes the practical application of earth science and environmental studies.

Hands-on curriculum includes community-based projects and field-based studies, that builds valuable skills and knowledge to meet future employment and career needs. Learners will gain the academic and applied skills relevant for entry-level employment in natural resource management and exploration as well as in the environmental consulting industry. For more information, please contact the program coordinator, Gordon Weary (<https://www.coastmountaincollege.ca/about-cmntn/department-contacts/details/gordon-weary/>).

Earns you an **Applied Earth & Environmental Studies Certificate**

Apply to CMTN

Visit Apply to CMTN (<https://www.coastmountaincollege.ca/admissions/apply-to-cmntn/>) for an Admissions Checklist and to apply online.

Our Educational Advisors (<https://www.coastmountaincollege.ca/student-services/student-support/educational-advising/>) are here to help if you have any questions or need guidance along the way.

Dates and locations

Intake	Location
Fall 2024	Prince Rupert and Terrace
Winter 2025	Prince Rupert and Terrace

Field School (<https://www.coastmountaincollege.ca/programs/explore/field-schools/>) courses available in the spring and summer.

Study on a full or part-time basis. Some courses are available online (<https://coastmountaincollege.ca/programs/programs/>) and by teleconference.

Note: not all courses are offered at every campus. Speak with an Educational Advisor (<https://coastmountaincollege.ca/student-services/academic-support/educational-advising/>) for assistance with course selection.

Admission to an intake does not guarantee completion in 2 years.

Program Guide

Code	Title	Credits
GEOG 110	People and the Environment	3
3 credits from the following English courses:		
ENGL 101	Introduction to Composition	3

or ENGL 151 Technical Writing I		
6 credits from the following Biology courses:		
BIOL 101	Introductory Biology I - Cells, Diversity & Physiology	3
BIOL 102	Introductory Biology II - Genetics, Evolution & Ecology	3
6 credits from the following Geography courses:		
GEOG 150	Physical Geog I: Biogeography, Meteorology and Climatology	3
GEOG 160	Physical Geography II: Geology, Geomorphology and Soils	3
or GEOL 157 Intro to Northwest Geology		
3 credits from the following GIS course:		
GEOG 204	Spatial Analysis and Geographic Information Systems (GIS)	3
9 credits from the following courses:		
GEOG 203	Geomorphology	3
or GEOG 207 Hydrology and Soils		
or GEOG 210 Environments and Society		
or GEOG 112 Environments and Planning		
or GEOG 201 Environmental Climatology		
or GEOG 202 Geography of Ecosystems		
or BIOL 191 Introduction to Ecology		
or BIOL 211 Principles of Ecology		
or OCGY 208 Intro Physical, Chemical and Geological Oceanography		
or OCGY 209 Introduction to Biological Oceanography		
3 credits from the following Anthropology or First Nation Studies courses:		
ANTH 112	First Nations of B.C.	3
or ANTH 203 Northern Nations of the Northwest Coast		
or ANTH 202 Indigenous Cultures in Transition		
or ANTH 205 Archaeology of Northern British Columbia		
or ANTH 212 Cultural Resource Management		
or ANTH 270 Traditional Knowledge in Practice		
or FNST 101 Introductory to First Nations Studies		
or FNST 110 Ethnobotany: Plants & First People		
or FNST 200 Aboriginal Community Research		
Total Credits		33

- Apply (<https://apply.educationplannerbc.ca/apply/complete-application/cmntn/>) directly to the Program
- Submit proof of English Studies 12 and Math 11 or equivalent
- Once admitted, register in the courses required for this certificate
- Life Sciences 11
- Chemistry 11

Students missing these prerequisites will be required to enroll in additional Career & College Preparation (CCP) (<https://>)



coastmountaincollege.ca/program/career-college-preparation-ccp/ upgrading courses while completing the program.

English proficiency is required for all students entering CMTN programs. Please visit our English Language Alternatives (<https://coastmountaincollege.ca/admissions/requirements/language-requirements/domestic-english-language-requirements/>) page to see how this requirement can be met.

Need help with the application process? Contact an Educational Advisor (<https://coastmountaincollege.ca/student-services/academic-support/educational-advising/>).

Fees	Domestic	International
Full-time	30 Credits	30 Credits
Tuition	\$3,146.70	\$13,373.40
Mandatory fees	\$240.00	\$290.88
Lab fees (17.16 per credit) ¹	\$52.50	\$52.50
Student Union fees ²	\$109.28	\$109.28
Health and Dental Insurance ^{4,5}	\$285.00	\$602.04
Total Tuition:	\$3,833.48	\$14,428.10
Books & supplies ²	\$2,000.00	\$2,000.00
Field School fees ³	\$900.00	\$900.00
Total:	\$6,733.48	\$17,328.10

Tuition and fees effective August 1, 2024 for the 2024/25 Academic Year.

¹Lab fees are mandatory. All associate degrees require a minimum of 3 credits in laboratory science, and students may take up to 42 lab credits.

²Costs are approximate and may vary depending on courses taken. Student union fees are term based.

³Field schools have additional costs between \$100 - \$900 per field school, depending on the location and the activities. Field schools are not a mandatory component of all associate degrees, however, students are strongly encouraged to attend a field school during the spring/summer semester. Associate Degrees specializing in Environmental Geoscience are encouraged to attend a minimum of two field schools. Field schools are subject to different deposit requirements and refund rules.

⁴The Coast Mountain Students Union (CMSU) is pleased to announce that Extended Health and Dental Insurance has been approved by student referendum held in March 2021. Additional information will be provided by CMSU July 2021, including details of the coverage and directions for the opt out process for students with equivalent coverage. For any inquiries about the plan or referendum, please contact Golnoosh Namazi, organiser@mycmsu.ca

⁵Basic Health insurance is mandatory for all international students. Health insurance costs will be charged every term until students provide proof of MSP.

Career opportunities

Students will gain both hands-on and theoretical skills to gain entry level employment, including:

- Various levels of Government
- Non-Governmental Organizations (NGOs)
- Mining and Mineral Exploration Industry
- Environmental Consulting Industry

