

APPLIED EARTH & ENVIRONMENTAL STUDIES

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

The **Applied Earth & Environmental Studies Certificate** emphasizes the knowledge, skills, and practical applications that come from studying earth sciences and environmental studies.

Through a combination of theoretical concepts and hands-on activities, the curriculum engages students in community-based projects and field-based studies that build valuable skills and knowledge. As a result, students are positioned to meet current employment standards, and are prepared for future career paths. Learners will gain both academic and applied skills relevant for entry-level employment in natural resource management and exploration as well as those pertaining to the environmental consulting industry. For more information, please contact the program coordinator.

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 2025	Terrace and Prince Rupert Campus
Winter 2026	Terrace and Prince Rupert Campus

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	3
BIOL 102	Introductory Biology II	3
6 credits from the following Geography courses:		
GEOG 150	Physical Geog: Weather and Climate	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 any 2nd year natural-science-based Biology, Geography or Oceanography courses.		
Please note that the following health related Biology courses CAN NOT be used as part of this program: Biol 205, 206, 213, 214, 215, 220, 221, 222.		
3 credits from any Anthropology course with significant First Nations content or any First Nation Studies course:		
Please note that the following Anthropology courses CAN NOT be used as part of this program: Anth 101, 102, 201, 206, 208, 211, 220.		
Total Credits		33

- English Studies 12, or English First Peoples 12, or equivalent
- Math 11 or equivalent
- Life Sciences 11 or equivalent
- Chemistry 11 or equivalent

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	33 Credits	33 Credits
Tuition	\$3,530.67	\$15,000.15
Mandatory fees	\$268.95	\$320.88
Lab fees (17.85 per credit) ¹	\$214.20	\$214.20
Student Union fees	\$112.76	\$112.76
Health and Dental Insurance*	\$295.00	\$618.38
Total Tuition: ²	\$4,421.58	\$16,266.37
Books & Supplies ³	\$2,000.00	\$2,000.00
Field School fees ⁴	\$900.00	\$900.00
Total:	\$7,321.58	\$19,166.37



Tuition and fees effective August 1, 2025 for the 2025/26 Academic Year.

1

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

2

These fees are an annual cost. Program takes one year to complete.

3

Please note that these are approximate costs and may vary depending on courses taken.

4

Field 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.

* The Coast Mountain Students Union (CMSU) is pleased to offer Extended Health and Dental Insurance to all qualifying members. The plan is mandatory for all students enrolled in 6 or more credits or a trades program of 26 weeks or longer. Some students, including those studying overseas and those with existing extended health coverage, are eligible to opt out. Visit <https://cmsu.studenthealthbc.ca/> to learn more about the plan or request to opt out. You will also receive a detailed introductory email no later than 6 weeks after your semester starts. For any inquiries about the plan, please contact the Students' Union Organiser : Bhushra Ansari, organiser@mycmsu.ca

* Basic 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

