

MOUNTAIN ADVENTURE SCIENCE | CERTIFICATE

Mountain Adventure Science (MAS) is an immersive, one-year certificate program that merges adventure with experiential, field-based science. The curriculum emphasizes community-based projects and adventurous field studies, equipping learners with the applied skills necessary for careers in the environmental and geoscience sectors. Graduates will be prepared for entry-level employment as a field technician or environmental monitor, and to continue their studies in the Applied Earth and Environmental Science specialization at CMTN.

Apply to CMTN

Visit Apply to CMTN (<https://www.coastmountaincollege.ca/admissions/apply-to-cmtn/>) 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.

Intake	Location
2025 Fall	Terrace, Prince Rupert
2026 Winter	Terrace and Prince Rupert

Code	Title	Credits
ENVS 111	Methods in Field Science	3
ENGL 151	Technical Writing I	3
GEOG 110	People and the Environment	3
GEOG 150	Physical Geog: Weather and Climate	3
GEOL 157	Intro to Northwest Geology	3
GEOG 160	Physical Geography II: Geology, Geomorphology and Soils	3
BIOL 101	Introductory Biology I	3
BIOL 191	Introduction to Ecology	3
BIOL 102	Introductory Biology II	3
Anthropology Elective (ANTH 100 or 200 level)		3
First Nations Studies Elective (FNST 100 or 200 level)		3
GEOG 207	Hydrology and Soils	3
Two of the following: Offered as field schools. Learner select courses that fit their preferred pathway.		6
GEOG 202	Geography of Ecosystems	
GEOG 203	Geomorphology	
GEOG 210	Environments and Society	
BIOL 201	Invertebrate Zoology	
BIOL 208	The Biology of Plants	
BIOL 211	Principles of Ecology	

Total Credits **33**

Additional Credentials offered as part of field schools. Credentials will include Wilderness First Aid and selected courses relevant to applied research projects and field-specific safety requirements (e.g., Swiftwater Rescue, Avalanche Skills Training (AST1))

- Grade 12 recommended
- English Studies 12 or English First Peoples 12 or equivalent **AND**
- Foundations of Math 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.

The prerequisites for individual courses are outlined in the course descriptions. Students missing prerequisites may enroll in the university credit prerequisite course or the Career & College Preparation (CCP) (<https://coastmountaincollege.ca/program/career-college-preparation-ccp/>) upgrading courses while completing the program.

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