coast mountain college

UNIVERSITY STUDIES | ASSOCIATE OF SCIENCE DEGREE

View on YouTube (https://www.youtube.com/watch/?v=jzP81o-VwnU)

The Associate of Arts and Associate of Science Degrees are provincial credentials offered by many institutions in the BC Transfer System. The associate degree is designed to provide an educational experience that prepares students for life as an educated person, and to lay a solid foundation for further study.

The associate degree curriculum comprises two years of university level study in a variety of academic areas. Students are required to complete a broad range of course offerings balanced with in-depth study in specific disciplines. Since many students will continue their studies, the requirements are sufficiently flexible to enable students to complete the required prerequisites for upper level course work in their intended major. Students will be exposed to a program of study that seeks to develop:

- an interest in and curiosity about the world around them
- an understanding of the global context in which they live and work
- an appreciation of intellectual thought and human creativity
- an openness to a variety of viewpoints
- a capacity for and interest in self directed life-long learning
- acceptance of the social responsibilities that come with the benefits of advanced learning.

In addition, the program of study should develop and improve those skills essential for academic success at an advanced intellectual level. They include but are not limited to:

- advanced reading comprehension
- effective written and oral communications
- mathematical and scientific reasoning
- computer and technological literacy
- research and evaluative skills
- analysis, synthesis, and integration of knowledge
- critical thinking and problem solving
- application of theoretical understanding to practice
- working collaboratively.

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.

Dates and locations

International students interested in taking University Credits Science options are encouraged to apply to the fall intake.

Intake	Location
Fall 2023	Prince Rupert and Terrace
Winter 2024	Prince Rupert and Terrace

Field School (https://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.

Concurrent studies for high school students

Grade 12 high school students may enrol in CMTN University Credit courses and earn credit toward both their high school diploma and Associate or University Degree. Concurrent Academic Studies is approved by the British Columbia Ministry of Education. Visit the CMTN Website for the Concurrent Academic Studies policies or talk to a CMTN Educational Advisor (https://coastmountaincollege.ca/student-services/academic-support/educational-advising/) and your high school counsellor.

General requirements

To obtain an Associate of Science Degree, a student must complete a minimum of 60 credits of first or second year courses.

These must include a minimum of 18 credits in Science at the second-year level taken in two or more subject areas.

Specific requirements

A. 6 credits in first-year English; and
B. 6 credits in Mathematics which must include Math 101 or Math 141; and
C. 36 credits in Science, which shall include at least 3 credits in a laboratory science; and
D. 6 credits in Arts other than English; and
E. 6 credits in Arts, Science, or other areas.

List of course options that can be used to fullfill the requirements for the Associate of Science Degree

A. 6 credits in first-year English which shall include two of the following courses:

Code	Title	Credits
ENGL 100	Language Skills	3
ENGL 101	Introduction to Composition	3
ENGL 102	Introduction to Literature	3
ENGL 141	Public Speaking	3

ENGL 151	Technical Writing I	3
ENGL 152	Technical Writing II	3
ENGL 190	Introduction to University Writing	3

B. 6 credits in Mathematics which must include either Math 101 - Calculus I: Differential Calculus or Math 141 - Calculus 1 for Social Sciences; and one of the following courses:

Code	Title	Credits
MATH 101	Calculus I: Differential Calculus	3
MATH 102	Calculus II: Integral Calculus	3
MATH 103	Differential Calculus With Applications	3
MATH 115	Precalculus	3
MATH 131	Introduction to Statistics	3
MATH 140	Finite Mathematics	3
MATH 141	Calculus I for Social Sciences	3
MATH 145	Calculus II for Social Science	3
MATH 150	Mathematics of Finance	3
MATH 161	Applied Math	4
MATH 235	Linear Algebra	3
MATH 251	Statistics	3

C. 36 credits in Science which shall include 12 of the following courses (a minimum of one must be a lab science course):

Non - Lab Science Courses:

Code	Title	Credits
CPSC 111	Introduction to Computer Science	3
CPSC 112		3
CPSC 113	Computer Programming With Lego Robot	3
CPSC 123	Computer Programming	3
CPSC 124	Data Structures	3
CPSC 131		3
CPSC 141	Integrated Software Tools	3
BIOL 191	Introduction to Ecology	3
BIOL 211	Principles of Ecology	3
BIOL 214	Microbiology II: Human/Microbiology Interactions	3
BIOL 215	Genetics	3
BIOL 220	Pathophysiology	3
BIOL 221	Pharmacology for Nurses	3
BIOL 222	Human Nutrition	3
BIOL 270	Coastal Zone Conservation Biology	3
CHEM 190	Chemistry of Brewing	3
ENGR 121	Engineering Design and Drafting	2
ENGR 122	Engineering Design and Sustainability	2
GEOG 110	People and the Environment	3
GEOG 112	Environments and Planning	3
GEOG 210	Environments and Society	3
GEOG 215	Geography of Food	3
GEOG 227	Ethnogeography of Northwest BC	3
MATH 101	Calculus I: Differential Calculus	3
MATH 102	Calculus II: Integral Calculus	3
MATH 103	Differential Calculus With Applications	3
MATH 115	Precalculus	3
MATH 123	Everyday Mathematics	3
MATH 131	Introduction to Statistics	3
MATH 140	Finite Mathematics	3
MATH 141	Calculus I for Social Sciences	3
MATH 145	Calculus II for Social Science	3
MATH 150	Mathematics of Finance	3
MATH 161	Applied Math	4
MATH 190	Principles of Mathematics for Elementary Teachers	4
MATH 235	Linear Algebra	3
MATH 251	Statistics	3
OCGY 208	Intro Physical, Chemical and Geological Oceanography	3
OCGY 209	Introduction to Biological Oceanography	3
OCGY 210	Methods of Monitoring the Marine Environment	3

Lab Science Courses:

Code	Title	Credits
ANTH 250	Intro to Biological Anthropology	3
BIOL 101	Introductory Biology I - Cells, Diversity & Physiology	3
BIOL 102	Introductory Biology II - Genetics, Evolution & Ecology	3
BIOL 131	Human Anatomy & Physiology I	3
BIOL 132	Human Anatomy & Physiology II	3
BIOL 133	Applied Microbiology	3
BIOL 201	Invertebrate Zoology	3
BIOL 202	Vertebrate Zoology	3
BIOL 203	Non-Vascular Plants & Fungi	3
BIOL 204	Vascular Plants	3
BIOL 205	Cell Structure and Function	3
BIOL 206	Cell Biochemistry	3
BIOL 208	The Biology of Plants	3
BIOL 213	Microbiology 1	3
BIOL 235	Ichthyology	3
BIOL 236	Ornithology: Biology of Birds	3
CHEM 101	Introductory Chemistry I	3
CHEM 102	Introductory Chemistry II	3
CHEM 111	Fundamentals of Chemistry I	3
CHEM 121	Principles of Chemistry I	3
CHEM 122	Principles of Chemistry II	3
CHEM 230	Organic Chemistry I	3
CHEM 231	Organic Chemistry II	3

FNST 110	Ethnobotany: Plants & First People	3
GEOL 157	Intro to Northwest Geology	3
GEOL 158	Historical Geology	3
GEOG 150	Physical Geog I: Biogeography, Meteorology and Climatology	3
GEOG 160	Physical Geography II: Geology, Geomorphology and Soils	3
GEOG 201	Environmental Climatology	3
GEOG 202	Geography of Ecosystems	3
GEOG 203	Geomorphology	3
GEOG 204	Spatial Analysis and Geographic Information Systems (GIS)	3
GEOG 207	Hydrology and Soils	3
PHYS 101	Introduction to Physics I	3
PHYS 102	Introductory Physics II	3
PHYS 103	Physics With Applications to Earth Sciences	3
PHYS 121	Advanced Physics I	3
PHYS 122	Advanced Physics II	3
PHYS 135	Engineering Mechanics - Dynamics	3
SUST 120	Permaculture Design	3

D. 6 credits in Arts other than English which shall include two of the following courses from either the Social Sciences and/ or Humanities:

Social Sciences courses:

Code	Title	Credits
ANTH 101	Human Origins	3
ANTH 102	Intro Social and Cultural Anth *	3
ANTH 111	First Nations of Canada	3
ANTH 112	First Nations of B.C. *	3
ANTH 201	World Cultures	3
ANTH 202	Indigenous Cultures in Transition	3
ANTH 203	Northern Nations of the Northwest Coast	3
ANTH 204	Central and Southern Nations of the Northwest Coast	3
ANTH 205	Archaeology of Northern British Columbia	3
ANTH 206	Anthropology of Religion	3
ANTH 208	The Indigenous Arts of N America, Oceania and Africa	3
ANTH 209	The Art of N American First Nations	3
ANTH 210	First Nations Art of the Northwest Coast	3
ANTH 211	Understanding Theory in Anthropology	3
ANTH 212	Cultural Resource Management	3
ANTH 215	Archaeology of the Americas	3
ANTH 220	Visual Anthropology	3
ANTH 240	Introduction to Archaeology	3
ANTH 260	Medical Anthropology	3
ANTH 245	Archaeological Field Studies	6
ASIA 101	Introduction to Imperial China	3
ASIA 102	The History of Modern China	3
CRIM 101	Introduction to Criminology *	3
CRIM 103	Psychology of Crime & Deviance	3
CRIM 104	Understanding Crime, Deviance & Society	3
CRIM 131	Introduction to the Criminal Justice System *	3
CRIM 135	Introduction to Canadian Law and Legal Institutions: a Criminal Justice Perspective	3
CRIM 198	Community, Crime and Soc Just Practicum Certificate Practicum	3
CRIM 210	Law, Youth and Young Offenders	3
CRIM 213	Women and Crime	3
CRIM 230	Criminal Law in Canada	3
ECON 111	Principles of Microeconomics	3
ECON 112	Principles of Macroeconomics	3
ECON 220		3
ECON 222		3
EDUC 101	Introduction to Education	3
FNST 101	Introductory to First Nations Studies	3
FNST 110	Ethnobotany: Plants & First People	3
FNST 120	Aboriginal Languages - Preservation and Revitalization	3
FNST 200	Aboriginal Community Research	3
FNST 210	Aboriginal Health: Community Wellness & Healing	3
GEOG 111	Intro to Human Geography	3
GEOG 112	Environments and Planning	3
GEOG 210	Environments and Society	3
GEOG 221	Social Geography (Space & Society)	3
GEOG 222	Economic Geography	3
GEOG 224	World Regional Geography	3
GEOG 225	Regional Geography of B C	3
GEOG 226	Regional Geography of Canada	3
HLTH 101	Introduction to Health Careers	3
POLI 101	Introduction to Political Science *	3
POLI 102	Canadian Politics and Government *	3
POLI 203	International Politics	3
POLI 213	International Political Economy	3
PSYC 101	Introductory Psychology I	3
PSYC 102	Introductory Psychology II	3
PSYC 201	Developmental Psychology I	3
PSYC 202	Development Across a Lifespan	3
PSYC 203	Psychology of Gender and Gender Relation	3
PSYC 205	Psyc of Drugs & Chem Addiction	3
PSYC 206	Intro to Health Psychology	3
PSYC 207	Intro to Mental Health Counselling	3
PSYC 208	Social Psychology	3
PSYC 215	Research Methods in Social Sciences I	3

PSYC 216	Research Methods in Social Sciences II	3
PSYC 221	Abnormal Psyc and Therapy I	3
PSYC 222	Abnormal Psyc & Therapy II	3
PSYC 232	Research Methods in Psychology	3
PSYC 233	Historical and Conceptual Foundations of Psychology	3
PSYC 240	Forensic Psychology	3
SOCI 101	Introductory Sociology I	3
SOCI 102	Introductory Sociology II	3
SOCI 205	Sociology of the Family	3
SOCI 206	The Family in Cross-Cultural Perspective	3
SOCI 207	Sociology of Labour	3
SOCI 209	Canada:Differing Persp I	3
SOCI 210	Canada:Differing Persp II	3
SOCI 250	Sociology of Deviance	3
SOCI 251	Crime and Society	3
SOCI 261	Sociology of Community	3
SOCI 270	Rural Sociology	3
SOCI 282	Environmental Sociology	3

Humanities courses:

Code	Title	Credits
ANTH 270	Traditional Knowledge in Practice	3
ART 105	Introduction to Painting I	3
ART 106	Introduction to Painting II	3
ARTH 101	First Nations Art Pacific NWI	3
ARTH 108	First Nations Art Pacific II	3
ARTH 151	History of World Art From Beginnings to 1400	3
ARTH 152	History of World Art Since 1400	3
ARTH 201	Contemporary First Nations Art of the Northwest Coast	3
ARTH 210	Northwest Coast Art Museum and Gallery Studies	3
FNST 101	Introductory to First Nations Studies	3
FNST 120	Aboriginal Languages - Preservation and Revitalization	3
GEOG 215	Geography of Food	3
FREN 101	Introduction to French I	3
FREN 102	Introduction to French II	3
GITK 101	Intro to Gitksanimx Language Conversation I	3
GITK 102	Intro to Gitksanimx Language Conversation II	3
HAID 101	Intro to Haida Language Conversation I	3
HAID 102	Intro to Haida Language Conversation II	3
HAIS 101	Intro to Haisla Language Conversation I	3
HAIS 102	Intro to Haisla Lng Conversation II	3
HIST 103	Europe - 1820's to the 1890's	3
HIST 104	Europe 1917 to 1948	3
HIST 105	Canada to the Mid-19th Century	3
HIST 106	Canada Since Mid-19th Century	3
HIST 201	Imperialism From the Mid-19th Century	3
HIST 205	History of Colonial Africa	3
HIST 209	A History of Native People of Canada	3
HIST 210	History of Western Canada	3
HIST 213	History of British Columbia	3
HIST 215	History of the U.S. to 1865	3
HIST 216	History of the U.S. Since 1865	3
HIST 231	Germany in the 20th Century	3
HIST 232	The History of Anti-Semitism	3
HIST 241	The Soviet Union, 1917-1990	3
HIST 250	History of Latin America	3
JRNL 101	Introduction to Journalism	3
MICH 101	Intro to Michif Language Conversation 1	3
MICH 102	Intro to Michif Language Conversation II	3
PHIL 101	Introduction to Philosophy	3
PHIL 102	Moral Philosophy	3
PHIL 203	Philosophy and Literature	3
PHIL 204	Philosophy and the Social Science	3
PHIL 205	Philosophical Struggle in Religion	3
PHIL 206	Philosophy of Science	3
PHIL 210	Environmental Ethics	3
SMAL 102	Intro to Sm'algyax Language Conversation I	3
SMAL 103	Intro to Sm'algyax Language Conversation II	3
SMAL 201	Intermediate Sm'algyax Language Conversation I	3
SMAL 202	Intermediate Sm'algyax Language Conversation II	3
SUST 201	Intro Sustainable Community Development	3
SUST 207	Equality and Sustainability	3
SUST 250	Capstone Project	3
TAHL 101	Intro to Tahltan Language Conversation I	3
TAHL 102	Intro to Tahltan Language Conversation II	3
WITS 101	Intro to Witsuwiten Lng Conversation I	3
WMST 101	Women in Canada	3
WMST 102	Intro to Women's Studies *	3
WMST 203	Women's Health Issues in Canada	3
FILM 101	Introduction to Film Studies	3
FILM 102	Modern American Cinema	3

E. 6 elective credits in Arts, Science, or other areas which shall include any two additional courses from the above (or from any other program areas within the college that are transferable to research and teaching Universities in BC). Please confirm transfer agreements on BC transfer guide for transferability.

- Grade 12 recommended
- English Studies 12 or English First Peoples 12 or equivalent AND
- Pre-Calculus 11 or equivalent AND
- Life Sciences 11 or Chemistry 11 or Physics 11 or equivalent

- Apply directly to the University Studies - Associate of Science Degree Program
- English proficiency is required for all students entering CMTN programs. Please visit our English Language Alternatives page to see how this requirement can be met.
- Prerequisites for individual courses are outlined in the course descriptions. Students missing prerequisites may enrol in Career & College Preparation (CCP) (https://coastmountaincollege.ca/programs/discover/upgrading/) 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	$3,084.90	$13,111.20
Mandatory fees	$235.50	$285.38
Lab fees (17.16 per credit)[1]	$51.48	$51.48
Student Union fees[2]	$93.28	$93.28
Health and Dental Insurance[4,5]	$275.00	$585.82
Total Tuition:	**$3,740.16**	**$14,127.16**
Books & supplies[2]	$2,000.00	$2,000.00
Field School fees[3]	$900.00	$900.00
Total:	**$6,640.16**	**$17,027.16**

Tuition and fees effective August 1, 2023 for the 2023/24 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]*Costs are approximate and may vary depending on courses taken. Student union fees are term based.*

[3]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.

[4]The 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

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