

From: **Coast Mountain College (CMTN)**
Associate of Science Degree, General Studies

To: **University of Northern BC (UNBC)**
Bachelor of Science (BSc Degree, Biology Major)

The following list of course equivalents will appear on the transfer credit summary for students who have successfully completed CMTN's Associate of Science Degree and declare their major in Biology at UNBC.

CMTN Requirement Applicable to ASc	CMTN Course	CMTN Course Name	UNBC Equivalence^{1&2&3}
6 Credits in First Year English	ENGL 101	Introduction to Composition	ENGL 170-3
	University Transfer Credit Needed		
6 Credits in Mathematics (which shall include at least 3 credits in Calculus)	MATH 103 ⁴ or MATH 101 ⁴	Differential Calc/Applications Calculus I	MATH 152-3 ⁴ MATH 100-3 ⁴
	MATH 131 ⁴	Introduction to Statistics	STAT 240-3 ⁴
36 Credits in Science (which shall include at least 3 credits in a Laboratory Science)	BIOL 101 BIOL 102	Introductory Biology I Introductory Biology II	} BIOL 103-3, BIOL 123-1, BIOL 104-3, BIOL 124-1
	CHEM 101 or CHEM 121	Introductory Chemistry I Principles of Chemistry I	
	CHEM 102 or CHEM 122	Introductory Chemistry II Principles of Chemistry II	CHEM 101-3 and CHEM 121-1 CHEM 101-3 and CHEM 121-1
	PHYS 101 or PHYS 121	Introduction to Physics I Advanced Physics I: Classical	PHYS 100-4 PHYS 110-4
	PHYS 102 or PHYS 122	Introduction to Physics II Advanced Physics II: Electrical	PHYS 101-4 PHYS 111-4
	BIOL 211	Principles of Ecology	BIOL 201-3
	BIOL 201	Invertebrate Zoology	BIOL 202-3
	BIOL 213	Microbiology I	BIOL 203-3
	BIOL 208	The Biology of Plants	BIOL 204-3
	BIOL 215 ⁵	Genetics	BIOL 210-3
	CHEM 230	Organic Chemistry I	CHEM 201-3 and CHEM 250-1
	6 Credits in Arts other than English (excluding Math and Lab based science courses)	University Transfer Credit Needed	
University Transfer Credit Needed			
6 Credits in Arts, Science, or other areas	CHEM 231	Organic Chemistry II	CHEM 203-3 and CHEM 251-1
	BIOL 206	Cell Structure and Function	CHEM 204-3 ⁵ and CHEM 2XX-1

¹ Course equivalencies were determined through the articulation process and are listed on the BC Transfer Guide, www.bctransferguide.ca

Student will need to choose coursework appropriately so as not to receive duplicate Transfer Credit.

² Students need to choose coursework transferable to UNBC in order to receive credit in these areas.

³ Students need to verify they are completing approved University Transfer Credit coursework as per the BC Transfer Guide. Courses in the Creative and Performing Arts as well as Career program and other courses considered for the Associate degree may not be eligible for transfer credit to UNBC.

⁴ Must have a C- or better at CMTN to use as a prerequisite at UNBC.

⁵ Will fulfill UNBC BIOL 210 when UNBC CHEM 204 (3) or equivalent is completed

Additional CMTN Recommended Courses

CMTN Courses	Specifics	UNBC Equivalence³ Used towards this BSc Requirement
BIOL 205	Cell Structure and Function	BIOL 311-3
BIOL 203 and BIOL 204	Non-Vasc PI & Fung/Vasc Plant	BIOL 301-3 and BIOL 2XX-3

Note: Fulfills UNBC Requirements

Sample of **UNBC Calendar** requirements for the Biology major and how CMTN Associate of Science Degree in General Studies coursework *may be* used towards completion of the degree at UNBC⁵:

UNBC Calendar Information	CMTN Equivalence
<p>The minimum requirement for the completion of a Bachelor of Science with a major in Biology is 126 credit hours.</p>	
Lower Division (100 level)	
BIOL 103-3 Introductory Biology I	
BIOL 123-1 Introductory Biology I Lab	} ✓ Completed at CMTN, BIOL 101 and BIOL 102
BIOL 104-3 Introductory Biology II	
BIOL 124-1 Introductory Biology II Lab	
CHEM 100-3 General Chemistry I	
CHEM 120-1 General Chemistry Lab I	} ✓ Completed at CMTN, CHEM 101 or CHEM 121
CHEM 101-3 General Chemistry II	
CHEM 121-1 General Chemistry Lab II	} ✓ Completed at CMTN, CHEM 102 or CHEM 122
NRES 100-3 Communications in Natural	
Resources & Environmental Studies	
or ENGL 170-3 Writing and Communication Skills	} ✓ Completed at CMTN, ENGL 151 or ENGL 101
MATH 152-3 ⁶ Calculus for Non-Majors	
or MATH 100-3 ⁶ Calculus I	} ✓ Completed at CMTN, MATH 103 ⁶ or MATH 101 ⁶
or MATH 105-3 ⁶ Enriched Calculus	
PHYS 100-4 Introduction to Physics I	
or PHYS 110-4 Introductory Physics I: Mechanics	} ✓ Completed at CMTN, PHYS 101 or PHYS 121
PHYS 101-4 Introduction to Physics II	
or PHYS 111-4 Introductory Physics II: Waves & Electricity	} ✓ Completed at CMTN, PHYS 102 or PHYS 122
<i>Recommended:</i>	
MATH 101-3 ⁶ Calculus II ⁶	} ✓ Completed at CMTN, MATH 102 ⁶
Note: Students who are interested in pursuing professional	
programs should contact the program advisor regarding the	} * Please discuss how to complete this requirement with your Academic Advisor. Depending on course selection, students may be able to complete some or all of this requirement at CMTN.
correct course sequences required for individual programs.	
Lower Division (200 level)	
BIOL 201-3 Ecology	} ✓ Completed at CMTN, BIOL 211
BIOL 202-3 Invertebrate Zoology	
BIOL 203-3 Microbiology	} ✓ Completed at CMTN, BIOL 201
BIOL 204-3 Plant Biology	
BIOL 210-3 Genetics	} ✓ Completed at CMTN, BIOL 213
CHEM 201-3 Organic Chemistry I	
CHEM 203-3 Organic Chemistry II	} ✓ Completed at CMTN, BIOL 208
CHEM 204-3 ⁷ Introductory Biochemistry	
STAT 240-3 ⁶ Basic Statistics	} ✓ Completed at CMTN, BIOL 215 ⁷
Note: Students must also take 6 additional credit hours of	
courses at the 200 level or above. Students are encouraged to	} * Please discuss how to complete this requirement with your Academic Advisor. Depending on course selection, students may be able to complete some or all of this requirement at CMTN.
explore a diversity of courses during their undergraduate	
biology education. While biology content is not	} * Please discuss how to complete this requirement with your Academic Advisor. Depending on course selection, students may be able to complete some or all of this requirement at CMTN.
specifically required, biology students may find relevant	
3	} * Please discuss how to complete this requirement with your Academic Advisor. Depending on course selection, students may be able to complete some or all of this requirement at CMTN.

UNBC Biology major Calendar requirements continued:

courses among the following prefixes: ANTH, BCMB, CHEM, ENPL, ENSC, ENVS, FNST, FSTY, GEOG, HHSC, INTS, NOLS, NREM, NORS, ORTM, PHIL, PHYS, POLS, PSYC, and STAT. It is recommended that students consult with a Student Advisor in terms of their interests and the content of various courses.

Upper Division (300 level)

BIOL 311-3	Cell and Molecular Biology	* Can be completed at CMTN, BIOL 205
BIOL 323-3	Evolutionary Biology	} □ To be completed at UNBC
BIOL 325-3	Ecological Analysis	
<i>One of:</i>		
BIOL 304-3	Plants, Society & the Environment	
BIOL 321-3	Animal Physiology	
<i>Two of:</i>		
BIOL 301-3	Systematic Botany	* Can be completed at BIOL 203 and BIOL 204
BIOL 307-3	Ichthyology & Herpetology	} □ To be completed at UNBC
BIOL 308-3	Ornithology & Mammalogy	
BIOL 318-3	Fungi & Lichens	

Upper Division (400 level)

BIOL 410-3	Population & Community Ecology	} □ To be completed at UNBC
BIOL 411-3	Conservation Biology	
<i>One of:</i>		
BIOL 404-3	Plant Ecology	
BIOL 406-3	Fish Ecology	
BIOL 412-3	Wildlife Ecology	

Subject Requirements

15 additional credit hours chosen from the following of which at least 6 credit hours must be at the 400 level:

Any	300 or 400 level Biology courses
ENSC 406-3	Environmental Modelling
FSTY 307-3	Disturbance Ecology & Forest Health

Additional Requirements

At least one course with Social Sciences content must be taken from the following list: BIOL 304-3, BIOL 350-3, BIOL 420-3 or BIOL 421-3 (these may also count as subject requirements) or any course with one of the following prefixes: ANTH, COMM, ECON, EDUC, ENPL, ENVS, FNST, INTS, NORS, ORTM, POLS, PSYC.

Elective Requirement

Elective credit hours must be taken as necessary to ensure completion of a minimum of 126 credit hours.

⁵ 2016/17 UNBC Academic Calendar year. Information in this handout is unofficial and should be used as a guide only. For questions regarding admission to UNBC or course selection please contact Student Recruitment & Advising at 250-960-6306 or advising@unbc.ca

⁶ Must have a C- or better at CMTN to use as a prerequisite at UNBC.

⁷ Will fulfill UNBC BIOL 210 when UNBC CHEM 204 (3) or equivalent is completed

NOTE: As per UNBC Undergraduate Calendar Regulation number 14, "Students must complete a minimum of 30 credit hours of upper division UNBC course work to receive a UNBC degree."