UNBC Courses required for BSc Wildlife and Fisheries Degree (2018)	A. Wildlife Management	B. Wildlife Biology	C. Ecology	D. Zoology	E. Botany	F. Physical Sciences	G. Basic Statistics	H. Quantitative Sciences	I. Humanities and Soc. Sci.	J. Commications	K. Policy, Administration, and Lav	Notes
BIOL 103-3 Introductory Biology I				1.5	1.5	equi	red	in d	egre	e		Include both lecture and lab course together in box (total credits) and
BIOL 123-1 Introductory Biology I Laboratory				0.5	0.5							include both course descrptions in both the D and E categories. Also include the note "(Counting 0.5 hours under Zoology and 0.5 hours under Botany)".
BIOL 104-3 Introductory Biology II				1.5	1.5							Include both lecture and lab course together in box (total credits) and
BIOL 124-1 Introductory Biology II Laboratory				0.5	0.5							include both course descrptions in both the D and E categories. Also include the note "(Counting 0.5 hours under Zoology and 0.5 hours under Botany)".
CHEM 100-3 General Chemistry CHEM 120-1 Chemistry Lab I						3						Include both lecture and lab course together in box (total credits) and include both course descrptions
CHEM 101-3 General Chemistry II CHEM 121-1 Chemistry Lab II						3						Include both lecture and lab course together in box (total credits) and include both course descrptions
MATH 152-3 Calculus for Non-majors PHYS 115-4 General Intro to Physics or PHYS 100-4 Intro to Physics						4		3				Enter course description Enter course description
BIOL 201-3 Ecology			2			4				1		Entire tutorial to Ecology deals with how to write in science, so make clear in application. In addition to entering the course description in both the C and J categories, include the note "(Only 2 of the 3 hours are counted in this category with 1 being used under Communications — a semester long tutorial with this class focuses exclusively on scientific writing)".
BIOL 210-3 Genetics				1.5	1.5							1.5 credit hours counted under each of Zoology and Botany. In addition to including the course description in both the D and E categories, include the note "(Counting 1.5 hours under Zoology and 1.5 hours under Botany)".
CHEM 220-3 Organic and Biochemistry FSTY 205-3 Introduction to Soil Science						3						Enter course description Enter course description
FSTY 207-1 Terrestrial Ecological Classification			1									Needed in Ecology category because 1 credit hour of Biol 201 used in writing category
STAT 240-3 Basic Statistics							3					Enter course description
NREM 204-3 Introduction to Wildlife and Fisheries	1.5			1.5								Covers Fish and Wildlife so 1.5 in Wildlife Management and 1.5 in Zoology; in addition to including course desicrption in both the A and D categories, include "(course is 3 credit hours; counting 1.5 for wildlife management content)". Note also that you may need to use the 'additional space' block to include NREM 204-3 in the D category.
BIOL 302-3 Limnology						3						Enter course description Half of course associated with Herptology using in Wildlife Biology with
BIOL 307-3 Ichthyology and Herpetology		1.5		1.5								categories, include the note "(Course is 3 credit hours with 1.5 counted in this category and 1.5 under Zoology to split out fish and herptology subject matter)".
BIOL 308-3 Ornithology and Mammalogy BIOL 315-3 Animal Diseases and Parasites		3		3								Enter course description Enter course description
BIOL 325-3 Ecological Analyses								3				Because of 10 abstracts (marked for improvement in writing) could use 1 credit of BIOL 325 in Communications category if you have additional Quantitative Science courses (GIS does not count). If you have additional H category courses, then make case for 1 hour of BIOL 325 in category J.
BIOL 406-3 Fish Ecology BIOL 410-3 Populations and Communities	3			3								Enter course description Enter course description
BIOL 411-3 Conservation Biology BIOL 412-3 Wildlife Ecology	3	3										Enter course description Enter course description
BIOL 413-3 Wildlife Management	2	3			Se	lect	one	of o	ntio	1		Split between Wildlife Management and Communication because of 5 writing assignments several in TWS Journal format. After including course desciption, include "(Counting 2 of 3 credits under management because 1 credit is assigned to Communication. In BIOL 413 40% of the grade is assigned to the writing up of wildlife data analyses in JWM journal format. These 5 papers are used to improve on the students' technical writing skills).
NRES 100-3 or ENGL 170-3					36	iect	one		ptio	3		Either couse acceptable in Communications category; presumbly could take both
FSTY 201-3 Forest Plant Systems or BIOL 301-3 Systematic Botany					3							Either course acceptable in the Botany category so just enter the course
One of: NREM 303-3 (Aboriginal Perspectives on Land and Resource											3	description for the course you took Either course acceptable in the Policy, Administration, and Law Category
Management) Or NREM 306-3 (Society, Policy, and Administration)												Take ENVS 326-3 for credit in the Communcation category because of strong
For one of: ENPL 305-3, NREM 411-3 or ENVS 326-3, take ENVS 326-3 (Natural Resources, Environmental Issues and Public Engagement)										3		mentored writing requirement. Be sure to emphasize in comments the strong emphasis of this course on public engagement and learning to write.
For BIOL 402-3 or BIOL 404-3, take BIOL 404-3 (Plant Ecology)					3							Could take BIOL 404-3 for Botany creidt, but have 3 extra Botany credits if
For one of: NREM 400-4, NREM 410-3 or NREM 333-1, take NREM 400-4											4	Biol 402-3 taken Select NREM 400-4 from this one-of choice
(Natural Resource Planning)					Ele	ectiv	es (t	otal	of 1	5)		If he had a seal of the seal o
NRES 430-6 (Undergraduate Thesis)												If taken, need to make the case for strong, mentored writing component (learning to write). Course certainly use 3 hours of credit from an undergraudate thesis, but could argue for more on the basis of learning to communicate in science. For example, "students have to write both a detailed research proposal as well as their undergraduate thesis and then present the results in open-to-the-public event at the end of the Winter
NRES 421-1 (Professional Writing) Consider taking NREM 411-3 as an elective and counting for 3 humanities credits									3	1		semester". The CRB indicated that all students should consider taking this course. NREM 411-3 could instead be used in the Policy, Administration, and Law
Nine hours of humanities (6 if take NREM 411) to meet 9 hours of humanities									6			category 3 Humanities needed if NREM 411 not counted as a Humanities course
NREM 100-3 Field Skills	I	Requ	uire	d de	gree	cou	rse r	not u	ısed	for	Cert	fication
NREM 101-3 Intro to Natural Resource Management and Conservation												
Select 2 of: BIOL 202-3 (Invertebrate Zoology) BIOL 2043 (Plant Biology)												These courses could be used in various categories, but the above curriculum
NREM-2104 (Integrated Resource Management) GEOG 2103 (Introduction to Earth Science)												requirements appear to cover off the educational requirements for AWB.
GEOG 300-3 Geographic Information Systems BIOL 414-3 Fish Management												
Credit hours taken												Additional Note. In the additional space for category J, indicate that "there is significant additional writing across the Wildlife and Fisheries curriculum. For example in Biol 325 (Ecological Analyses) students write 10 scientific abstracts in which they scientifically present the results of statistical analyses. There are also substantial other writing requirements in many of
Credit hours required Total for Biological Sciences (A through E) (36 credit hours required)	9.5 6 46	7.5 6	3	15 9	12 9	21 9	3	6		[9] 12	7	our upper-division courses.