NRM WILDLIFE AND FISHERIES CURRICULUM
(For students following the 2015-2016 UNBC Calendar)

FIRST YEAR COURSES

FALL	WINTER
BIOL 103-3/123-1	BIOL 104-3/124-1
CHEM 100-3/120-1	CHEM 101-3/121-1
NREM 100-3	NREM 101-3
PHYS 115-4 or PHYS 100-4	NRES 100-3 or ENGL 170-3
	MATH 152-3 (F or W)
15 credit hours	**17 credit hours**

TOTAL 32 credit hours

SECOND YEAR COURSES

FALL	WINTER
SELECT 2 OF BIOL 204-3 or GEOG 210-3	or BIOL 202-3 or NREM 210-4
BIOL 201-3	CHEM 220-3
FSTY 205-3	BIOL 210-3
NREM 204-3	STAT 240 -3 (F or W)
FSTY 207-1	Elective-3
FSTY 201-3 or BIOL 301-3[1]	
16 credit hours	**15-16 credit hours**

TOTAL 31-32 credit hours

THIRD YEAR COURSES

FALL	WINTER
BIOL 307-3	BIOL 302-3
BIOL 308-3	BIOL 315-3
NREM 303-3 (F) or NREM 306-3 (W)	ENPL 305-3 or NREM 411-3 or ENVS 326-3
GEOG 300-3	BIOL 325-3
Elective-3	Elective -3
15 credit hours	**15 credit hours**

TOTAL 30 credit hours

FOURTH YEAR COURSES

FALL	WINTER
BIOL 402-3 or BIOL 404-3	BIOL 411-3
BIOL 406-3	BIOL 413-3
BIOL 410-3	BIOL 414-3
BIOL 412-3	NREM 400-4 or NREM 410-3 or NREM 333-3
Elective-3	Elective-3
15 credit hours	**15-16 credit hours**

TOTAL 30-31 credit hours

[1] Students electing to take Biol 301 in place of FSTY 201 should take an elective in Fall of second year.

123 required credit hours total (40 courses), which includes 15 credit hours of electives

Revised April 2015

Listing of Courses and Prerequisites for 2015-2016 NRM Wildlife and Fisheries Degree

Courses Required	Fall/Winter	Pre-requisites[1]
BIOL 103-3 Introductory Biology I	F	Biology 11 or 12
BIOL 123-1 Introductory Biology I Laboratory	F	BIOL 103 (may be taken concurrently)
BIOL 104-3 Introductory Biology II	W	Biology 11 or 12, or BIOL 103 (recommended)
BIOL 124-1 Introductory Biology II Laboratory	W	BIOL 104 (may be taken concurrently)
CHEM 100-3 General Chemistry	F & S	Principles of Math 12 or Pre-calculus 12 or MATH 115 (may be taken concurrently)
CHEM 120-1 Chemistry Lab I	F	CHEM 100 (may be taken concurrently)
CHEM 101-3 General Chemistry II	W & S	CHEM 100 & Principles of Math 12 or Pre-calculus 12 or MATH 115
CHEM 121-1 Chemistry Lab II	W	CHEM 120, CHEM 101 (may be taken concurrently)
MATH 152-3 Calculus for Non-majors	F & W & S	Math 12 or Principles of Math 12 or Pre-calculus 12 or MATH 115
NREM 100-3 Field Skills	F	NONE
NREM 101-3 Intro to Natural Resource Management and Conservation	W	NONE
NRES 100-3 or ENGL 170-3	W; F & W	NONE
PHYS 115-4 General Intro to Physics or PHYS 100-4 Intro to Physics	F F/W	115: NONE or 100: Physics 12 or PHYS 115
BIOL 201-3 Ecology	F	BIOL 102, or BIOL 104 and BIOL 124; AND Prerequisite or co-requisite: BIOL 101 or BIOL 103 and BIOL 123
Select 2 of: BIOL 202-3, BIOL 204-3, NREM-210-4, GEOG 210-3	F/W	Consult calendar or web site for prerequisites.
BIOL 210-3 Genetics	W	BIOL 101 or BIOL 103 and BIOL 123; AND Prerequisite or Co-requisite: BIOL 102 or BIOL 104 and BIOL 124
CHEM 220-3 Organic and Biochemistry	W	CHEM 101
FSTY 201-3 Plant Systems or BIOL 301-3 Systematic Botany	F	201: BIOL 101, or BIOL 103 and BIOL 123; AND BIOL 102, or BIOL 104 and BIOL 124; AND Co-requisite: FSTY 205; 301: BIOL 101 or BIOL 103 and BIOL 123; AND BIOL 102 or BIOL 104 and BIOL 124
FSTY 205-3 Introduction to Soil Science	F	CHEM 100, CHEM 101, CHEM 120, CHEM 121
FSTY 207-1 Terrestrial Ecological Classification	F	BIOL 101, or BIOL 103 and BIOL 123; AND BIOL 102, or BIOL 104 and BIOL 124
STAT 240-3 Basic Statistics	F & W & S	None
NREM 204-3 Introduction to Wildlife and Fisheries	F	BIOL 102, or BIOL 104 and BIOL 124; AND NREM 100
BIOL 302-3 Limnology	W	BIOL 201
BIOL 307-3 Ichthyology and Herpetology	F	BIOL 101 or BIOL 103 and BIOL 123; AND BIOL 102 or BIOL 104 and BIOL 124
BIOL 308-3 Ornithology and Mammalogy	F	BIOL 101 or BIOL 103 and BIOL 123; AND BIOL 102 or BIOL 104 and BIOL 124
BIOL 315-3 Animal Diseases and Parasites	W	BIOL 307 or BIOL 308
BIOL 325-3 Ecological Analyses	W	BIOL 201 AND STAT 240
ENPL 305-3 or NREM 411-3 or ENVS 326-3	W	305: 60 credit hours; 411: 90 credit hours; 326: none
GEOG 300-3 Geographic Information Systems	F	30 credit hours
NREM 303-3 or NREM 306-3	F ; W	303: 60 credit hours; 306: Upper Division Standing
BIOL 402-3 Aquatic Plants or BIOL 404-3 Plant Ecology	F odd yr; F	402: BIOL 204; 404: BIOL 201 or BIOL 204
BIOL 406-3 Fish Ecology	F	BIOL 201 AND BIOL 307
BIOL 410-3 Populations and Communities	F	BIOL 325
BIOL 411-3 Conservation Biology	W	BIOL 201
BIOL 412-3 Wildlife Ecology	F	BIOL 201 AND BIOL 308
BIOL 413-3 Wildlife Management	W	BIOL 410 AND BIOL 412
BIOL 414-3 Fish Management	W	BIOL 406
NREM 400-4 or NREM 410-3 or NREM 333-3	W	400: 90 credit hours; 410: GEOG 210-3; 333: none
Subtotal: 108- 109 Elective requirement: minimum 15 credit hours to ensure completion of a minimum of 123 credit hours. TOTAL: 123 CREDIT HOURS		

[1] Please see the UNBC Undergraduate Calendar for details on pre-requisites/co-requisites.