# ENVIRONMENTAL SCIENCE, BACHELOR OF SCIENCE WITH A CONCENTRATION IN LIFE SCIENCE

Requirements

Code Title		
Required core cour		
`	of cross-listed courses, Environmental enroll in the ENVN section)	
ENVN 2010	ENVIRONMENTAL PROBLEMS AND SOLUTIONS	2
ENVN/GEOG/GEOL/ BIOL 4610	ENVIRONMENTAL MONITORING AND ASSESSMENT	3
GEOL 1010	ENVIRONMENTAL GEOLOGY	3
GEOG 1050	HUMAN-ENVIRONMENT GEOGRAPHY	4
Minimum of 1 credit l to 3 credits can be ap	nour of ENVN 4800 must be completed (up oplied to the major)	
ENVN/BIOL 4800	INTERNSHIP IN ENVIRONMENTAL MANAGEMENT AND PLANNING	1-3
ENVN/BIOL/GEOG/ PA 4820	INTRODUCTION TO ENVIRONMENTAL LAW & REGULATIONS	3
Also required:		
An approved course i STAT 3000, PSYC 313	n statistics (BIOL 4110, STAT 1530, 0, SOC 2130)	3-4
An approved GIS coul GEOG 4050)	rse (ENVN 4600, GEOG 1090, GEOG 3530,	1-4
• • •	ocusing on the human dimensions of s (ANTH 4250, ENVN 3180, ENVN 4270, n, PSCI 4270)	3
Life Science Conce	ntration requirements:	
BIOL 1450	BIOLOGYI	5
BIOL 1750	BIOLOGY II	5
BIOL 2140	GENETICS	4
BIOL 3340	ECOLOGY	4
BIOL 3530	FLORA OF THE GREAT PLAINS	4
BIOL 4120	CONSERVATION BIOLOGY	3
	ıl upper division courses in Biology or e from the approved list below). At least ude a lab.	10-12
Required cognate	courses:	
CHEM 1010	CHEMISTRY IN THE ENVIRONMENT AND SOCIETY	3
or CHEM 3030	ENVIRONMENTAL CHEMISTRY	
In addition, select one	e of the following chemistry sequences:	10-13
Sequence One:		
CHEM 1140 & CHEM 1144	FUNDAMENTALS OF COLLEGE CHEMISTRY and FUNDAMENTALS OF COLLEGE	
CHEM 2210 & CHEM 2214	CHEMISTRY LABORATORY FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY LABORATORY	

Sequence Two:		
CHEM 1180 & CHEM 1184	GENERAL CHEMISTRY I and GENERAL CHEMISTRY I	
& CHEM 1184	LABORATORY	
CHEM 1190	GENERAL CHEMISTRY II	
& CHEM 1194	and GENERAL CHEMISTRY II	
	LABORATORY	
CHEM 2210 & CHEM 2214	FUNDAMENTALS OF ORGANIC CHEMISTRY	
& CITEIVI 2214	and FUNDAMENTALS OF ORGANIC	
	CHEMISTRY LABORATORY	
•	ional approved physical science course in	3-5
	Physical Geography, or Physics.	
CHEM 3650 & CHEM 3654	FUNDAMENTALS OF BIOCHEMISTRY and FUNDAMENTALS OF BIOCHEMISTRY	
& CITEW 3034	LABORATORY	
PHYS 1050	INTRODUCTION TO PHYSICS	
& PHYS 1054	and INTRODUCTION TO PHYSICS	
DI 11/0 4 4 4 4	LABORATORY	
PHYS 1110 GEOL 1170	GENERAL PHYSICS I INTRODUCTION TO PHYSICAL GEOLOGY	
GEOL 1170	GEOSCIENCE DATA ANALYSIS AND	
GLOL 2300	MODELING	
GEOL 4260	PROCESS GEOMORPHOLOGY	
GEOL 4330	SOIL GENESIS, MORPHOLOGY AND	
	CLASSIFICATION	
GEOL 4540	GEOCHEMISTRY	
GEOL 4640	CRITICAL ZONE SCIENCE	
GEOG 4010	CONSERVATION OF NATURAL RESOURCES	
GEOG 4320	CLIMATOLOGY	
GEOG 4340	WATER RESOURCES	
	WATER RESOURCES GLOBAL CLIMATE CHANGE	
GEOG 4340		
GEOG 4340 GEOG 4350	GLOBAL CLIMATE CHANGE	74-87
GEOG 4340 GEOG 4350 GEOG 4630 Total Credits	GLOBAL CLIMATE CHANGE ENVIRONMENTAL REMOTE SENSING	
GEOG 4340 GEOG 4350 GEOG 4630 Total Credits	GLOBAL CLIMATE CHANGE ENVIRONMENTAL REMOTE SENSING  Title	
GEOG 4340 GEOG 4350 GEOG 4630 Total Credits Code Approved Upper L	GLOBAL CLIMATE CHANGE ENVIRONMENTAL REMOTE SENSING	
GEOG 4340 GEOG 4350 GEOG 4630 Total Credits Code Approved Upper L Environmental Sc	GLOBAL CLIMATE CHANGE ENVIRONMENTAL REMOTE SENSING  Title Level Course in Biology and	
GEOG 4340 GEOG 4350 GEOG 4630 Total Credits Code Approved Upper L Environmental Sc	GLOBAL CLIMATE CHANGE ENVIRONMENTAL REMOTE SENSING  Title Level Course in Biology and lience. Three courses from this list are	Credits
GEOG 4340 GEOG 4350 GEOG 4630  Total Credits  Code Approved Upper L Environmental Sc required and at le BIOL 3020 BIOL 3680	GLOBAL CLIMATE CHANGE ENVIRONMENTAL REMOTE SENSING  Title Level Course in Biology and Lience. Three courses from this list are Last two must include labs.  MOLECULAR BIOLOGY OF THE CELL BIOLOGY OF AFRICA	Credits 3 3
GEOG 4340 GEOG 4350 GEOG 4630  Total Credits  Code  Approved Upper L Environmental Sc required and at let BIOL 3020 BIOL 3680 BIOL 3730	GLOBAL CLIMATE CHANGE ENVIRONMENTAL REMOTE SENSING  Title Level Course in Biology and Lience. Three courses from this list are Last two must include labs.  MOLECULAR BIOLOGY OF THE CELL BIOLOGY OF AFRICA FAUNA OF THE GREAT PLAINS	Credits  3 3 3
GEOG 4340 GEOG 4350 GEOG 4630  Total Credits  Code  Approved Upper L Environmental Sc required and at let BIOL 3020 BIOL 3680 BIOL 3730 BIOL 4030	GLOBAL CLIMATE CHANGE ENVIRONMENTAL REMOTE SENSING  Title Level Course in Biology and Lience. Three courses from this list are Last two must include labs.  MOLECULAR BIOLOGY OF THE CELL BIOLOGY OF AFRICA FAUNA OF THE GREAT PLAINS SPECIAL TOPICS IN BIOLOGY (*)	3 3 3 3
GEOG 4340 GEOG 4350 GEOG 4630  Total Credits  Code  Approved Upper L Environmental Screquired and at let BIOL 3020 BIOL 3680 BIOL 3730 BIOL 4030 BIOL 4040	GLOBAL CLIMATE CHANGE ENVIRONMENTAL REMOTE SENSING  Title Level Course in Biology and Lience. Three courses from this list are Last two must include labs.  MOLECULAR BIOLOGY OF THE CELL BIOLOGY OF AFRICA FAUNA OF THE GREAT PLAINS SPECIAL TOPICS IN BIOLOGY (*) DIRECTED READINGS IN BIOLOGY (*)	3 3 3 3 1-3
GEOG 4340 GEOG 4350 GEOG 4630  Total Credits  Code Approved Upper L Environmental Sc required and at le BIOL 3020 BIOL 3680 BIOL 3730 BIOL 4030 BIOL 4040 BIOL 4050	GLOBAL CLIMATE CHANGE ENVIRONMENTAL REMOTE SENSING  Title Level Course in Biology and lience. Three courses from this list are last two must include labs.  MOLECULAR BIOLOGY OF THE CELL BIOLOGY OF AFRICA FAUNA OF THE GREAT PLAINS SPECIAL TOPICS IN BIOLOGY (*) DIRECTED READINGS IN BIOLOGY (*) SUPERVISED RESEARCH IN BIOLOGY (*)	3 3 3 3 1-3 1-3
GEOG 4340 GEOG 4350 GEOG 4630  Total Credits  Code Approved Upper L Environmental Screquired and at let BIOL 3020 BIOL 3680 BIOL 3730 BIOL 4030 BIOL 4040 BIOL 4050 BIOL 4050 BIOL 4100	GLOBAL CLIMATE CHANGE ENVIRONMENTAL REMOTE SENSING  Title Level Course in Biology and Lience. Three courses from this list are Last two must include labs.  MOLECULAR BIOLOGY OF THE CELL BIOLOGY OF AFRICA FAUNA OF THE GREAT PLAINS SPECIAL TOPICS IN BIOLOGY (*) DIRECTED READINGS IN BIOLOGY (*) SUPERVISED RESEARCH IN BIOLOGY (*) BIOGEOGRAPHY	3 3 3 1-3 1-3 3
GEOG 4340 GEOG 4350 GEOG 4630  Total Credits  Code Approved Upper L Environmental Sc required and at le BIOL 3020 BIOL 3680 BIOL 3730 BIOL 4030 BIOL 4040 BIOL 4050	GLOBAL CLIMATE CHANGE ENVIRONMENTAL REMOTE SENSING  Title Level Course in Biology and lience. Three courses from this list are last two must include labs.  MOLECULAR BIOLOGY OF THE CELL BIOLOGY OF AFRICA FAUNA OF THE GREAT PLAINS SPECIAL TOPICS IN BIOLOGY (*) DIRECTED READINGS IN BIOLOGY (*) SUPERVISED RESEARCH IN BIOLOGY (*)	3 3 3 1-3 1-3 3
GEOG 4340 GEOG 4350 GEOG 4630  Total Credits  Code Approved Upper L Environmental Screquired and at let BIOL 3020 BIOL 3680 BIOL 3730 BIOL 4030 BIOL 4040 BIOL 4050 BIOL 4050 BIOL 4100	GLOBAL CLIMATE CHANGE ENVIRONMENTAL REMOTE SENSING  Title Level Course in Biology and lience. Three courses from this list are last two must include labs.  MOLECULAR BIOLOGY OF THE CELL BIOLOGY OF AFRICA FAUNA OF THE GREAT PLAINS SPECIAL TOPICS IN BIOLOGY (*) DIRECTED READINGS IN BIOLOGY (*) SUPERVISED RESEARCH IN BIOLOGY (*) BIOGEOGRAPHY STATISTICS FOR BIOLOGICAL SCIENCES	3 3 3 1-3 1-3 4
GEOG 4340 GEOG 4350 GEOG 4630  Total Credits  Code  Approved Upper L Environmental Sc required and at le BIOL 3020 BIOL 3680 BIOL 3730 BIOL 4030 BIOL 4040 BIOL 4050 BIOL 4100 BIOL 4110	Title Level Course in Biology and lience. Three courses from this list are last two must include labs.  MOLECULAR BIOLOGY OF THE CELL BIOLOGY OF AFRICA FAUNA OF THE GREAT PLAINS SPECIAL TOPICS IN BIOLOGY (*) DIRECTED READINGS IN BIOLOGY (*) SUPERVISED RESEARCH IN BIOLOGY (*) BIOGEOGRAPHY STATISTICS FOR BIOLOGICAL SCIENCES (**)	3 3 3 1-3 1-3 4 4
GEOG 4340 GEOG 4350 GEOG 4630  Total Credits  Code  Approved Upper L Environmental Sc required and at let BIOL 3020 BIOL 3680 BIOL 3730 BIOL 4030 BIOL 4040 BIOL 4040 BIOL 4100 BIOL 4110  BIOL/ENVN 4180	Title Level Course in Biology and lience. Three courses from this list are last two must include labs.  MOLECULAR BIOLOGY OF THE CELL BIOLOGY OF AFRICA FAUNA OF THE GREAT PLAINS SPECIAL TOPICS IN BIOLOGY (*) DIRECTED READINGS IN BIOLOGY (*) SUPERVISED RESEARCH IN BIOLOGY (*) BIOGEOGRAPHY STATISTICS FOR BIOLOGICAL SCIENCES (**) FRESHWATER ECOLOGY	3 3 3 1-3 1-3 4 4 3
GEOG 4340 GEOG 4350 GEOG 4630  Total Credits  Code  Approved Upper L Environmental Sc required and at let BIOL 3020 BIOL 3680 BIOL 3730 BIOL 4030 BIOL 4040 BIOL 4050 BIOL 4100 BIOL 4110  BIOL/ENVN 4180 BIOL 4210 BIOL 4220 BIOL 4230	GLOBAL CLIMATE CHANGE ENVIRONMENTAL REMOTE SENSING  Title Level Course in Biology and lience. Three courses from this list are last two must include labs.  MOLECULAR BIOLOGY OF THE CELL BIOLOGY OF AFRICA FAUNA OF THE GREAT PLAINS SPECIAL TOPICS IN BIOLOGY (*) DIRECTED READINGS IN BIOLOGY (*) SUPERVISED RESEARCH IN BIOLOGY (*) BIOGEOGRAPHY STATISTICS FOR BIOLOGICAL SCIENCES (**) FRESHWATER ECOLOGY FIRE ECOLOGY POPULATION BIOLOGY EVOLUTION	3 3 3 3 1-3 1-3 4 4 3 4 3 3
GEOG 4340 GEOG 4350 GEOG 4630  Total Credits  Code  Approved Upper L Environmental Sc required and at let BIOL 3020 BIOL 3730 BIOL 4030 BIOL 4030 BIOL 4050 BIOL 4100 BIOL 4110  BIOL/ENVN 4180 BIOL 4210 BIOL 4220 BIOL 4230 BIOL 4240	GLOBAL CLIMATE CHANGE ENVIRONMENTAL REMOTE SENSING  Title Level Course in Biology and lience. Three courses from this list are last two must include labs.  MOLECULAR BIOLOGY OF THE CELL BIOLOGY OF AFRICA FAUNA OF THE GREAT PLAINS SPECIAL TOPICS IN BIOLOGY (*) DIRECTED READINGS IN BIOLOGY (*) SUPERVISED RESEARCH IN BIOLOGY (*) BIOGEOGRAPHY STATISTICS FOR BIOLOGICAL SCIENCES (**) FRESHWATER ECOLOGY FIRE ECOLOGY POPULATION BIOLOGY EVOLUTION MARINE BIOLOGY	3 3 3 3 1-3 1-3 4 4 3 4 3 3 3
GEOG 4340 GEOG 4350 GEOG 4630  Total Credits  Code  Approved Upper L Environmental Sc required and at le BIOL 3020 BIOL 3680 BIOL 3730 BIOL 4030 BIOL 4040 BIOL 4050 BIOL 4100 BIOL 4110  BIOL/ENVN 4180 BIOL 4210 BIOL 4220 BIOL 4230 BIOL 4240 BIOL 4260	GLOBAL CLIMATE CHANGE ENVIRONMENTAL REMOTE SENSING  Title Level Course in Biology and lience. Three courses from this list are last two must include labs.  MOLECULAR BIOLOGY OF THE CELL BIOLOGY OF AFRICA FAUNA OF THE GREAT PLAINS SPECIAL TOPICS IN BIOLOGY (*) DIRECTED READINGS IN BIOLOGY (*) SUPERVISED RESEARCH IN BIOLOGY (*) BIOGEOGRAPHY STATISTICS FOR BIOLOGICAL SCIENCES (**) FRESHWATER ECOLOGY FIRE ECOLOGY POPULATION BIOLOGY EVOLUTION MARINE BIOLOGY BEHAVIORAL ECOLOGY	3 3 3 3 1-3 3 4 4 3 3 3 3 3 3 3 3 3
GEOG 4340 GEOG 4350 GEOG 4630  Total Credits  Code  Approved Upper L Environmental Sc required and at let BIOL 3020 BIOL 3730 BIOL 4030 BIOL 4030 BIOL 4050 BIOL 4100 BIOL 4110  BIOL/ENVN 4180 BIOL 4210 BIOL 4220 BIOL 4230 BIOL 4240	GLOBAL CLIMATE CHANGE ENVIRONMENTAL REMOTE SENSING  Title Level Course in Biology and lience. Three courses from this list are last two must include labs.  MOLECULAR BIOLOGY OF THE CELL BIOLOGY OF AFRICA FAUNA OF THE GREAT PLAINS SPECIAL TOPICS IN BIOLOGY (*) DIRECTED READINGS IN BIOLOGY (*) SUPERVISED RESEARCH IN BIOLOGY (*) BIOGEOGRAPHY STATISTICS FOR BIOLOGICAL SCIENCES (**) FRESHWATER ECOLOGY FIRE ECOLOGY POPULATION BIOLOGY EVOLUTION MARINE BIOLOGY BEHAVIORAL ECOLOGY WETLAND ECOLOGY AND	3 3 3 3 1-3 3 4 4 3 3 3 3 3 3 3 3 3
GEOG 4340 GEOG 4350 GEOG 4630  Total Credits  Code  Approved Upper L Environmental Sc required and at let BIOL 3020 BIOL 3680 BIOL 3730 BIOL 4030 BIOL 4040 BIOL 4050 BIOL 4100 BIOL 4110  BIOL/ENVN 4180 BIOL 4210 BIOL 4220 BIOL 4230 BIOL 4240 BIOL 4260 BIOL/ENVN 4410	Title Level Course in Biology and lience. Three courses from this list are last two must include labs.  MOLECULAR BIOLOGY OF THE CELL BIOLOGY OF AFRICA FAUNA OF THE GREAT PLAINS SPECIAL TOPICS IN BIOLOGY (*) DIRECTED READINGS IN BIOLOGY (*) SUPERVISED RESEARCH IN BIOLOGY (*) BIOGEOGRAPHY STATISTICS FOR BIOLOGICAL SCIENCES (**) FRESHWATER ECOLOGY FIRE ECOLOGY POPULATION BIOLOGY EVOLUTION MARINE BIOLOGY BEHAVIORAL ECOLOGY WETLAND ECOLOGY AND MANAGEMENT	3 3 3 3 1-3 4 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
GEOG 4340 GEOG 4350 GEOG 4630  Total Credits  Code  Approved Upper L Environmental Sc required and at le BIOL 3020 BIOL 3680 BIOL 3730 BIOL 4030 BIOL 4040 BIOL 4050 BIOL 4100 BIOL 4110  BIOL/ENVN 4180 BIOL 4210 BIOL 4220 BIOL 4230 BIOL 4240 BIOL 4260	GLOBAL CLIMATE CHANGE ENVIRONMENTAL REMOTE SENSING  Title Level Course in Biology and lience. Three courses from this list are last two must include labs.  MOLECULAR BIOLOGY OF THE CELL BIOLOGY OF AFRICA FAUNA OF THE GREAT PLAINS SPECIAL TOPICS IN BIOLOGY (*) DIRECTED READINGS IN BIOLOGY (*) SUPERVISED RESEARCH IN BIOLOGY (*) BIOGEOGRAPHY STATISTICS FOR BIOLOGICAL SCIENCES (**) FRESHWATER ECOLOGY FIRE ECOLOGY POPULATION BIOLOGY EVOLUTION MARINE BIOLOGY BEHAVIORAL ECOLOGY WETLAND ECOLOGY AND	3 3 3 1-3 1-3 4 4 3 3 4
GEOG 4340 GEOG 4350 GEOG 4630  Total Credits  Code  Approved Upper L Environmental Sc required and at let BIOL 3020 BIOL 3680 BIOL 3730 BIOL 4030 BIOL 4040 BIOL 4050 BIOL 4100 BIOL 4110  BIOL/ENVN 4180 BIOL 4210 BIOL 4220 BIOL 4230 BIOL 4240 BIOL 4260 BIOL/ENVN 4410  BIOL 4420 BIOL 4420	Title Level Course in Biology and lience. Three courses from this list are last two must include labs.  MOLECULAR BIOLOGY OF THE CELL BIOLOGY OF AFRICA FAUNA OF THE GREAT PLAINS SPECIAL TOPICS IN BIOLOGY (*) DIRECTED READINGS IN BIOLOGY (*) SUPERVISED RESEARCH IN BIOLOGY (*) BIOGEOGRAPHY STATISTICS FOR BIOLOGICAL SCIENCES (**) FRESHWATER ECOLOGY FIRE ECOLOGY POPULATION BIOLOGY EVOLUTION MARINE BIOLOGY BEHAVIORAL ECOLOGY WETLAND ECOLOGY AND MANAGEMENT RESTORATION ECOLOGY	3 3 3 1-3 1-3 3 4 4 3 3 3 3 3 3 3 3 3 3 3

BIOL 4710	TOXICOLOGY	3
BIOL 4780	VERTEBRATE ZOOLOGY	4
BIOL 4790	MAMMALOGY	4
BIOL 4840	HERPETOLOGY	4
BIOL 4940	ENTOMOLOGY	4
BIOL/ENVN 4970	ADVANCED BOTANY	4
BIOL 4980	ORNITHOLOGY	4

<sup>\*</sup>With approval from the Environmental Studies Program

# **Writing in the Discipline**

All students are required to take a writing in the discipline course within their major. For the environmental science major with a concentration in life sciences, the writing in the discipline requirement can be fulfilled through one of the two options for biology majors:

#### **Option I**

Complete two courses from each of the three tiers below. All courses used to meet the writing requirement must be taken at UNO. Only courses completed in 2010 or later qualify.

### Tier I

Code	Title	Credits
BIOL 1450	BIOLOGY I	5
BIOL 1750	BIOLOGY II	5

#### Tier II

Code	Title	Credits
BIOL 2140	GENETICS	4
BIOL 3020	MOLECULAR BIOLOGY OF THE CELL	3
BIOL 3340	ECOLOGY	4

Tier III two writing in the discipline 3000 or 4000 level biology courses designated as Tier III courses.

#### **Option II**

Complete either:

Code	Title	Credits
BIOL 3150	WRITING AND COMMUNICATION IN THE BIOLOGICAL SCIENCES	3
OR		
ENGL 3980	TECHNICAL WRITING ACROSS THE DISCIPLINES	3

#### Freshman Fall **Credits BIOI 1450 BIOLOGY I** 5 **ENGL 1150 ENGLISH COMPOSITION I (\*)** 3 **HUMAN-ENVIRONMENT GEOGRAPHY GEOG 1050** 4 **MATH 1220** COLLEGE ALGEBRA (\*\*) 3-4 or MATH 1300 or COLLEGE ALGEBRA WITH SUPPORT \*ENGL 1150: requires placement via EPPE, ACT, or AP score \*\*MATH: Refer to the catalog for the most up-to-date prerequisites.

	Credits	15-16
Spring		
BIOL 1750	BIOLOGY II (*)	5
CMST 1110 or CMST 2120	PUBLIC SPEAKING FUNDS or ARGUMENTATION AND DEBATE	3

ENGL 1160	ENGLISH COMPOSITION II (**)	3
ENVN 2010	ENVIRONMENTAL PROBLEMS AND SOLUTIONS (***)	2
CHEM 1010	CHEMISTRY IN THE ENVIRONMENT AND SOCIETY (^)	3
*BIOL 1750: requi	res BIOL 1450	
**ENGL 1160: requires ENGL 1150 or EPPE score of 6, or AP Score of 4		
***ENVN 2010: requires BIOL 1330 or GEOG 1050 GEOL 1010 or concurrent enrollment		
^CHEM 1010: See the catalog for the most up-to-date prerequisites		

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	Credits	16
Sophomore		
Fall		
CHEM 1140 & CHEM 1144	FUNDAMENTALS OF COLLEGE CHEMISTRY and FUNDAMENTALS OF COLLEGE CHEMISTRY LABORATORY (*)	5
GEOG 1090	INTRODUCTION TO GEOSPATIAL SCIENCES	4
<b>Humanities and Fir</b>	ne Arts/US Diversity	3
Social Science/Glol	oal Diversity	3
	ee the catalog for the most up-to-date HEM 1144 concurrent or prior with C- or	
	80/1184 and 1190/1194 together can HEM 1140/1144.	

	Credits	15
Spring		
BIOL 2140	GENETICS (*)	4
CHEM 2210 & CHEM 2214	FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY LABORATORY (**,***)	5
GEOL 1010	ENVIRONMENTAL GEOLOGY	3
Social Science		3
*RIOL 21/0: Red	ruires RIOI 1/150 RIOI 1750 and	

\*BIOL 2140: Requires BIOL 1450, BIOL 1750, and CHEM 1140 or 1180.

\*\*CHEM 2210: requires CHEM 1140/1144 or CHEM 1190/1194 with a C- or better. CHEM 2214 must be taken concurrently.

\*\*\*CHEM 2250 and 2260/2274 together can substitute for CHEM 2210/2214.

\*BIOL 3340: Requires BIOL 1450, 1750, and junior status

CHEM 2210/2	2214.	
	Credits	15
Junior		
Fall		
BIOL 4110	STATISTICS FOR BIOLOGICAL SCIENCES	4
Approved BIOL/I	ENVN 3000/4000 Level elective with lab	4
Social Science*		3
Humanities and Fine Arts		
*SS: must be i	n a 2nd discipline	
	Credits	14
Spring		
BIOL 3340	ECOLOGY (*)	4
BIOL 4120	CONSERVATION BIOLOGY (**)	3
Humanities and	Fine Arts***	3
Elective		3
Elective		3

<sup>\*\*</sup> May be used to satisfy the statistics requirement or can count towards the required biology and environmental Science courses, but not both

**DIOI	/12A	requires	DIOI	1750
DIOL	4120	requires	DIOL	1/30

	ires BIOL 1750	
***HFA: must be in	n a 2nd discipline	
	Credits	16
Summer		
ENVN 4800	INTERNSHIP IN ENVIRONMENTAL MANAGEMENT AND PLANNING (*)	1
*ENVN 4800: requ	uires permission of instructor.	
	Credits	1
Senior		
Fall		
BIOL 3530	FLORA OF THE GREAT PLAINS (*)	4
Approved BIOL/ENVI	N 3000/4000 Level elective	3
Approved physcial science course		3
ENVN 4610	ENVIRONMENTAL MONITORING AND ASSESSMENT (**)	3
ENVN 4820	INTRODUCTION TO ENVIRONMENTAL LAW & REGULATIONS	3
*BIOL 3530: requi	res BIOL 1450 and BIOL 1750	
**ENVN 4610: req	uires permission of instructor.	
	Credits	16
Spring		
Approved BIOL/ENVN 3000/4000 Level elective		4
An approved course to environmental studie	focusing on the human dimensions of es	3
Elective		3
Elective if needed to reach 120 hours*		3
of 18 upper level ( 27 upper level cre	are required for a degree, with a minimum 3000-4000) credits in the major and dits throughout the degree. Selecting lectives or options (when given) can help ninimums.	
	Credits	
	Credits	13

This roadmap is a suggested plan of study and does not replace meeting with an advisor. Please note that students may need to adjust the actual sequence of courses based on course availability. Please consult an advisor in your major program for further guidance.

This plan is not a contract and curriculum is subject to change

## **Additional Information About this Plan:**

**University Degree Requirements:** The minimum number of hours for a UNO undergraduate degree is 120 credit hours. Please review the requirements for your specific program to determine all requirements for the program. In order to graduate on-time (four years for an undergraduate degree), you need to take 30 hours each year.

**Placement Exams**: For Math, English, Foreign Language, a placement exam may be required. More information on these exams can be found at https://www.unomaha.edu/enrollment-management/testing-center/placement-exams/information.php

 $<sup>\</sup>star\star$ Transfer credit or placement exam scores may change suggested plan of study