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ENVIRONMENTAL SCIENCE, BACHELOR OF SCIENCE WITH A CONCENTRATION IN GEOGRAPHY AND PLANNING

Requirements

Code	Title	Credits
Required core cour	ses:	
(Note that in the case Science majors must e	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
Minimum of 1 credit h to 3 credits can be ap	nour of ENVN 4800 must be completed (up plied 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 in STAT 3000, PSYC 3130	n statistics (BIOL 4110, STAT 1530,), SOC 2130)	3-4
An approved course for environmental studies SOC 4760, PHIL 3180	ocusing on the human dimensions of s (ANTH 4250, ENVN 3180, ENVN 4270, , PSCI 4270)	3
Introductory GIS lectu	ire and lab:	
GEOG 3530	CARTOGRAPHY AND DATA VISUALIZATION	4
Geography and Pla	nning Concentration requirements:	
Select one physical ge	ography course from the following:	4
GEOG 1030	OUR DYNAMIC PLANET: INTRODUCTION TO PHYSICAL GEOGRAPHY	
GEOG 1050	HUMAN-ENVIRONMENT GEOGRAPHY	
Select three courses fr and Planning:	rom the following in Human Geography	9
GEOG 1020	INTRODUCTION TO HUMAN GEOGRAPHY	
GEOG 4120	URBAN GEOGRAPHY	
GEOG 4160	URBAN SUSTAINABILITY	
ENVN 4330	INTRODUCTION TO GREEN INFRASTRUCTURE	
Or alternative courses	s approved by advisor.	
Select three courses in	n Physical Geography:	9-12
GEOG 3440	NEBRASKA NATURAL RESOURCES MANAGMENT	
GEOG 3510 & GEOG 3514	METEOROLOGY and INTRODUCTION TO METEOROLOGY LABORATORY (*)	

Тс	otal Credits		71-82
	PHYS 1050 & PHYS 1054	INTRODUCTION TO PHYSICS and INTRODUCTION TO PHYSICS LABORATORY	
Pł	nysics lecture and la	b:	5
		MANAGEMENT	
	BIOL 42 10 BIOL /FNVN 4/10		
	BIOL 4100		
	BIOL 3530		
	BIOL 1020		
36	PIOL 1020	PRINCIPLES OF PIOLOCY	6-9
c	last tura malalitica al	ENVIRONMENT	6.0
	ISQA 3310	MANAGING THE DATABASE	
	CIST 1300	INTRODUCTION TO WEB DEVELOPMENT	Ū
Se	elect one computer s	cience course from the following:	3
Cl &	HEM 1010 CHEM 1014	CHEMISTRY IN THE ENVIRONMENT AND SOCIETY and CHEMISTRY IN THE ENVIRONMENT AND SOCIETY ABORATORY	4
BI	OL 1330	ENVIRONMENTAL BIOLOGY	3
R	equired cognate c	ourses:	
		П	
	GEOG 4660	GEOGRAPHIC INFORMATION SYSTEMS	
	GEOG 4630	ENVIRONMENTAL REMOTE SENSING	
	GEOG 4050	GEOGRAPHIC INFORMATION SYSTEMS I	
	GEOG 4030	COMPUTER MAPPING AND	
	GEOG 4020	SPATIAL ANALYSIS IN GEOGRAPHY	
Se	elect two additional	courses in Geospatial Sciences:	6-8
	count as a single o	course towards this requirement.	
	 Both GEOG 3510 	and GEOG 3514 must be completed and	
	GEOG/GEOL 4640	CRITICAL ZONE SCIENCE	
	GEOG 4350	GLOBAL CLIMATE CHANGE	
	GEOG 4340	WATER RESOURCES	
	GEOG/GEOL 4330	SOIL GENESIS, MORPHOLOGY AND	
	GEOG 4320	CLIMATOLOGY	
	GEOG 4260	PROCESS GEOMORPHOLOGY	
	GEOG/BIOL/GEOL 4100	BIOGEOGRAPHY	

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 Geography and Planning, the writing in the discipline requirement can be fulfilled by completing <u>ENGL 3980</u>.

Freshman Fall Credits **BIOL 1330** ENVIRONMENTAL BIOLOGY 3 ENGL 1150 **ENGLISH COMPOSITION I (*)** 3 GEOG 1020 INTRODUCTION TO HUMAN 3 **GEOGRAPHY** (**) MATH 1220 COLLEGE ALGEBRA (***) 3 or MATH 1300 or COLLEGE ALGEBRA WITH SUPPORT Humanities and Fine Arts/US Diversity 3

	*ENGL 1150: requires appropriate placement.			Approved Physical Geography course	
	**GEOG 1020 counts within the Human Geography category of the major and as a prerequiste for GEOG 3530. It may		*GEOG 3530 – req or GEOG 1050; a p	uires GEOG 1000 rogramming cour	
	***MATH: Math 122	20/1300 or higher. Please see the catalog		SOC 2130 or STAT	1530.
	for the most up-to-o	late Math prerequisites.			Credits
		Credits	15	Junior	
S	oring			Fall	
C	HEM 1010	CHEMISTRY IN THE ENVIRONMENT AND	4	Approved Geospatial	Science course
&	CHEM 1014			Approved Physical Ge	ography course
	and CHEMISTRY IN THE ENVIRONME			Approved Human Geo	ography & Plannin
С	MST 1110	PUBLIC SPEAKING FUNDS	3	Humanities and Fine	Arts*
	or CMST 2120	or ARGUMENTATION AND DEBATE		*HFA – must be in	a 2nd discipline
Eľ	NGL 1160	ENGLISH COMPOSITION II (**)	3		Credits
Eľ	NVN 2010	ENVIRONMENTAL PROBLEMS AND	2	Spring	
		SOLUTIONS (***)		ENGL 3980	
G	EOG 1030 or GEOG 1050	OUR DYNAMIC PLANET: INTRODUCTION TO PHYSICAL GEOGRAPHY or HUMAN-ENVIRONMENT	4	PHYS 1050 & PHYS 1054	INTRODUCTION and INTRODUCT LABORATORY (**
		GEOGRAPHY		Approved Geospatial	Science course
	*CHEM 1010: Requ	ires MAIH 1220 (or MAIH 1300) or		Social Science^	
	Exam	y via ACI, SAI, AI, OF Math Flatement		*ENGL 3980: requi	res ENGL 1160 or
	ENGL 1160: requ	ires ENGL 1150 or appropriate		*PHYS 1050: HS a	Igebra or equivale
	placement.	uiros BIOL 1330 or GEOL 1010 or		concurrent	algebra or equival
	GEOG 1050 or con	current enrollment.		^ SS – must be in a	2nd discipline
		Credits	16		Credits
S	ophomore			Summer	
Fe	xII EQL 1010		2	ENVN 4800	INTERNSHIP IN I MANAGEMENT
C	ST 1300		3	*ENVN 4800: requ	ires permission of
	or ISOA 3310	(*)	J		Credits
	-	or MANAGING THE DATABASE ENVIRONMENT		Senior Fall	
SI	AT 3000	STATISTICAL METHODS I (**)	3	ENVN/GEOG/GEOL/	ENVIRONMENTA
	or PSYC 3130	or STATISTICS FOR THE BEHAVIORAL		BIOL 4610	ASSESSMENT (*)
	or STAT 1530	or SOCIAL STATISTICS		ENVN 4820	LAW & REGULAT
		or ELEMENTARY STATISTICS		Approved Human Geo	ography & Plannin
Н	umanities and Fine A	arts/ US Diversity	3	An approved course f	ocusing on the hu
So	ocial Science		3	environmental studies	5
	*CIST 1300: MATH	1220/1300 or 1120 or 1130 or higher.		Elective course***	
	GEOG 3530. ISOA 3	3310 requires CIST 2100 as a prereq.		*ENVN/GEOG/GEO	DL/BIOL 4610 – re
	which can be used	as a social science.			
	Statistics: several	options are available for students, most		*120 total are dit	quires permission
	requiring MATH 1220/1300 or higher or proper placement as a prereq. Speak with your advisor for more options.			minimum of 18 upper level (300 major and 27 upper level credits	
	*120 total credits a	re required for a degree, with a minimum		Selecting 3000-400)0 level electives c
	of 18 upper level (3000-4000) credits in the major and			minimums.	
27 upper level credits throughout the degree. Selecting				Credits	
	statistics) can help	you reach these minimums.		Spring	
	, ,	Credits	15	Approved Biology cou	rse
S	oring			Elective course*	
BI	OL 1020	PRINCIPLES OF BIOLOGY	4	Elective course*	
G	EOG 3530	CARTOGRAPHY AND DATA	4	Elective course*	
		VISUALIZATION (*)		Elective course, if nee	ded to reach 120*
		araphy course	3		

Approved Physical Geo	ography course	3
*GEOG 3530 – requ or GEOG 1050; a po and a statistics cou SOC 2130 or STAT	vires GEOG 1000 or 1020; GEOG 1030 rogramming course such as CIST 1300; rse, such as STAT 3000 or PSYC 3130 or 1530.	
	Credits	14
Junior		
Fall		
Approved Geospatial S	Science course	4
Approved Physical Geo	ography course	4
Approved Human Geo	graphy & Planning course	4
Humanities and Fine A	\rts*	3
*HFA – must be in c	a 2nd discipline	
	Credits	15
Spring		
ENGL 3980	TECHNICAL WRITING ACROSS THE DISCIPLINES (*)	3
PHYS 1050	INTRODUCTION TO PHYSICS	5
& PHYS 1054	and INTRODUCTION TO PHYSICS	
	LABORATORY (**, ***)	
Approved Geospatial S	Science course	4
Social Science^		3
*ENGL 3980: requir	es ENGL 1160 or appropriate placement.	
**PHYS 1050: HS al	gebra or equivalent	
concurrent	ligebra or equivalent; PHYS 1050 prior or	
^ SS – must be in a	2nd discipline	
	Credits	15
Summer		
ENVN 4800	INTERNSHIP IN ENVIRONMENTAL MANAGEMENT AND PLANNING (*)	1-3
*ENVN 4800: requi	res permission of instructor.	
	Credits	1-3
Senior		
Fall		
ENVN/GEOG/GEOL/ BIOL 4610	ENVIRONMENTAL MONITORING AND ASSESSMENT (*)	3
ENVN 4820	INTRODUCTION TO ENVIRONMENTAL LAW & REGULATIONS (**)	3
Approved Human Geo	graphy & Planning course	3
An approved course for environmental studies	ocusing on the human dimensions of	3
Elective course***		3
*ENVN/GEOG/GEO instructor.	U/BIOL 4610 – requires permission of	
**ENVN 4820 – req	uires permission of instructor	
***120 total credits		
	are required for a degree, with a	
minimum of 18 upp	are required for a degree, with a ber level (3000-4000) credits in the	
minimum of 18 upp major and 27 uppe Selecting 3000-400	are required for a degree, with a per level (3000-4000) credits in the r level credits throughout the degree.	
minimum of 18 upp major and 27 uppe Selecting 3000-400 minimums.	are required for a degree, with a ver level (3000-4000) credits in the r level credits throughout the degree. 0 level electives can help you reach these	
minimum of 18 upp major and 27 uppe Selecting 3000-400 minimums.	are required for a degree, with a ber level (3000-4000) credits in the r level credits throughout the degree. 0 level electives can help you reach these Credits	15
minimum of 18 upp major and 27 uppe Selecting 3000-400 minimums.	are required for a degree, with a ber level (3000-4000) credits in the r level credits throughout the degree. 0 level electives can help you reach these Credits	15
minimum of 18 upp major and 27 uppe Selecting 3000-400 minimums. Spring Approved Biology cour	are required for a degree, with a ber level (3000-4000) credits in the r level credits throughout the degree. 0 level electives can help you reach these Credits	15
minimum of 18 upp major and 27 uppe Selecting 3000-400 minimums. Spring Approved Biology cour Elective course*	are required for a degree, with a ber level (3000-4000) credits in the r level credits throughout the degree. 0 level electives can help you reach these Credits	15 3 3

3

3

Total Credits	121-123		
Credits	15		
minimums.			
3000-4000 level electives can help you reach these			
27 upper level credits throughout the degree. Selecting			
of 18 upper level (3000-4000) credits in the major and			
*120 total credits are required for a degree, with a minimum			

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 course sequence based on availability. Please consult an advisor in your major program for further guidance.

This plan is not a contract, and the 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. To graduate on time (four years for an undergraduate degree), you must take 30 hours each year.

Placement Exams: For Math, English, and Foreign Languages, 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.

 $^{\star\star}\mbox{Transfer credit}$ or placement exam scores may change the suggested plan of study