ENVIRONMENTAL SCIENCE, BACHELOR OF SCIENCE WITH A CONCENTRATION IN EARTH SCIENCES

Environmental Science, Bachelor of Science with a Concentration in Earth Sciences Requirements

III EUI III 3	ciences requirement	
Code		edits
GENERAL EDUCATION Required	ON REQUIREMENTS - 34 Hours	
Minimum of "C-"requ	ired	
Fundamental Skills	•	15
Writing – 6 hrs.		
ENGL 1150	ENGLISH COMPOSITION I	
ENGL 1160	COLLEGE RESEARCH AND INFORMATION LITERACY	
Oral Communica	ation – 3 hrs.	
CMST 1110	PUBLIC SPEAKING FUNDS	
or CMST 2120	ARGUMENTATION AND DEBATE	
Quantitative Lite	eracy – 3 hrs.	
MATH 1120	INTRODUCTION TO MATHEMATICAL AND COMPUTATIONAL THINKING	
or MATH 1130	QUANTITATIVE LITERACY	
or MATH 1140	QUANTITATIVE REASONING FOR HEALTHCARE PROFESSIONALS	
or MATH 1300	COLLEGE ALGEBRA WITH SUPPORT	
Data Literacy – 3	3 hrs.	
Select one from the	e following:	
STAT 1100	DATA LITERACY AND VISUALIZATION	
STAT 1530	ELEMENTARY STATISTICS	
approved data lite	udents can satisfy this requirement with an racy course, or any approved natural or eral education course.	
Breadth of Knowle	dge	13
Social Science – 3	hrs.	
Humanities – 3 hrs	5.	
Natural & Physical	Science (must complete a lab) – 4 hrs.	
Arts – 3 hrs.		
Individual and Soci	ial Responsibility	6
Cultural Knowledg	e – 3 hrs.	
Civic Knowledge a	nd Engagement – 3 hrs.	
MAJOR REQUIREM	ENTS	
**Course will satisfy l	JNO's General Education requirement	
^Course requires pre-	requisite(s)	
	ence Major with a Concentration in -81 Hours Required	
Required coursewo	ork .	15-17
•	e of cross-listed courses, Environmental enroll in the ENVN section)	

	ENVN 2010	ENVIRONMENTAL PROBLEMS AND SOLUTIONS (^)	
	BIOL 1330	ENVIRONMENTAL BIOLOGY (**)	
	CHEM 1010	CHEMISTRY IN THE ENVIRONMENT AND SOCIETY (**^)	
	or CHEM 3030	ENVIRONMENTAL CHEMISTRY	
	//	ENVIRONMENTAL MONITORING AND ASSESSMENT (^)	
	ENVN/BIOL 4800	INTERNSHIP IN ENVIRONMENTAL MANAGEMENT AND PLANNING (^)	
	ENVN/GEOG/PA 4820	INTRODUCTION TO ENVIRONMENTAL LAW & REGULATIONS (^)	
Se	elect one of the fo	llowing Statistics courses	3-4
	BIOL 4110	STATISTICS FOR BIOLOGICAL SCIENCES (^)	
	ENVN 2020	STATISTICS FOR LIFE AND ENVIRONMENTAL SCIENCE (^)	
	STAT 1530	ELEMENTARY STATISTICS (** ^)	
	STAT 3000	STATISTICAL METHODS I (^)	
	PSYC 3130	STATISTICS FOR THE BEHAVIORAL SCIENCES (^)	
	SOC 2130	SOCIAL STATISTICS (^)	
Se	elect one of the fo	llowing GIS courses	1-4
	ENVN 4600	GIS APPLICATIONS FOR ENVIRONMENTAL SCIENCE (^)	
	GEOG 1090	INTRODUCTION TO GEOSPATIAL SCIENCES (^)	
	GEOG 4050	GEOGRAPHIC INFORMATION SYSTEMS I (^)	
		llowing courses on the human	3
	mensions of Envir	onmental Studies	3
		•	3
	mensions of Envir	onmental Studies ENVIRONMENTAL ANTHROPOLOGY AND NATIVE PEOPLES OF THE GREAT	3
	mensions of Envir ANTH 4250	environmental Studies ENVIRONMENTAL ANTHROPOLOGY AND NATIVE PEOPLES OF THE GREAT PLAINS (^) ENVIRONMENTAL ECONOMICS AND BUSINESS STRATEGY (^)	3
	mensions of Envir ANTH 4250 ECON 3320 ENVN/PHIL 3180	ENVIRONMENTAL ANTHROPOLOGY AND NATIVE PEOPLES OF THE GREAT PLAINS (^) ENVIRONMENTAL ECONOMICS AND BUSINESS STRATEGY (^) ENVIRONMENTAL ETHICS (^) SUSTAINABILITY AND THE ENVIRONMENT IN THE SPANISH-	3
	mensions of Envir ANTH 4250 ECON 3320 ENVN/PHIL 3180 ENVN/SPAN 3310	ENVIRONMENTAL ANTHROPOLOGY AND NATIVE PEOPLES OF THE GREAT PLAINS (^) ENVIRONMENTAL ECONOMICS AND BUSINESS STRATEGY (^) ENVIRONMENTAL ETHICS (^) SUSTAINABILITY AND THE ENVIRONMENT IN THE SPANISH- SPEAKING WORLD (^)	3
	ENVN/PSCI 4270	ENVIRONMENTAL ANTHROPOLOGY AND NATIVE PEOPLES OF THE GREAT PLAINS (^) ENVIRONMENTAL ECONOMICS AND BUSINESS STRATEGY (^) ENVIRONMENTAL ETHICS (^) SUSTAINABILITY AND THE ENVIRONMENT IN THE SPANISH- SPEAKING WORLD (^) GLOBAL ENVIRONMENTAL POLITICS (^)	3
	mensions of Envir ANTH 4250 ECON 3320 ENVN/PHIL 3180 ENVN/SPAN 3310	ENVIRONMENTAL ANTHROPOLOGY AND NATIVE PEOPLES OF THE GREAT PLAINS (^) ENVIRONMENTAL ECONOMICS AND BUSINESS STRATEGY (^) ENVIRONMENTAL ETHICS (^) SUSTAINABILITY AND THE ENVIRONMENT IN THE SPANISH- SPEAKING WORLD (^)	3
	ENVN/PSCI 4270	ENVIRONMENTAL ANTHROPOLOGY AND NATIVE PEOPLES OF THE GREAT PLAINS (^) ENVIRONMENTAL ECONOMICS AND BUSINESS STRATEGY (^) ENVIRONMENTAL ETHICS (^) SUSTAINABILITY AND THE ENVIRONMENT IN THE SPANISH- SPEAKING WORLD (^) GLOBAL ENVIRONMENTAL POLITICS (^) THE NATURE OF THE PAST: AMERICAN ENVIRONMENTAL HISTORY, PRE-	3
di	ECON 3320 ENVN/PHIL 3180 ENVN/SPAN 3310 ENVN/PSCI 4270 ENVN 4390	ENVIRONMENTAL ANTHROPOLOGY AND NATIVE PEOPLES OF THE GREAT PLAINS (^) ENVIRONMENTAL ECONOMICS AND BUSINESS STRATEGY (^) ENVIRONMENTAL ETHICS (^) SUSTAINABILITY AND THE ENVIRONMENT IN THE SPANISH- SPEAKING WORLD (^) GLOBAL ENVIRONMENTAL POLITICS (^) THE NATURE OF THE PAST: AMERICAN ENVIRONMENTAL HISTORY, PRE- HISTORY TO THE PRESENT (^) ENVIRONMENTAL SOCIOLOGY (^)	4
di	mensions of Envir ANTH 4250 ECON 3320 ENVN/PHIL 3180 ENVN/SPAN 3310 ENVN/PSCI 4270 ENVN 4390	ENVIRONMENTAL ANTHROPOLOGY AND NATIVE PEOPLES OF THE GREAT PLAINS (^) ENVIRONMENTAL ECONOMICS AND BUSINESS STRATEGY (^) ENVIRONMENTAL ETHICS (^) SUSTAINABILITY AND THE ENVIRONMENT IN THE SPANISH- SPEAKING WORLD (^) GLOBAL ENVIRONMENTAL POLITICS (^) THE NATURE OF THE PAST: AMERICAN ENVIRONMENTAL HISTORY, PRE- HISTORY TO THE PRESENT (^) ENVIRONMENTAL SOCIOLOGY (^)	
Ec	ECON 3320 ENVN/PHIL 3180 ENVN/PSCI 4270 ENVN 4390 SOC 4760 arth Sciences Con GEOL 1170	ENVIRONMENTAL ANTHROPOLOGY AND NATIVE PEOPLES OF THE GREAT PLAINS (^) ENVIRONMENTAL ECONOMICS AND BUSINESS STRATEGY (^) ENVIRONMENTAL ETHICS (^) SUSTAINABILITY AND THE ENVIRONMENT IN THE SPANISH- SPEAKING WORLD (^) GLOBAL ENVIRONMENTAL POLITICS (^) THE NATURE OF THE PAST: AMERICAN ENVIRONMENTAL HISTORY, PRE- HISTORY TO THE PRESENT (^) ENVIRONMENTAL SOCIOLOGY (^) CCENTRATION	
Ec	ECON 3320 ENVN/PHIL 3180 ENVN/PSCI 4270 ENVN 4390 SOC 4760 arth Sciences Con GEOL 1170	ENVIRONMENTAL ANTHROPOLOGY AND NATIVE PEOPLES OF THE GREAT PLAINS (^) ENVIRONMENTAL ECONOMICS AND BUSINESS STRATEGY (^) ENVIRONMENTAL ETHICS (^) SUSTAINABILITY AND THE ENVIRONMENT IN THE SPANISH- SPEAKING WORLD (^) GLOBAL ENVIRONMENTAL POLITICS (^) THE NATURE OF THE PAST: AMERICAN ENVIRONMENTAL HISTORY, PRE- HISTORY TO THE PRESENT (^) ENVIRONMENTAL SOCIOLOGY (^) Centration INTRODUCTION TO PHYSICAL GEOLOGY (**)	4
Ec	ECON 3320 ENVN/PHIL 3180 ENVN/PSCI 4270 ENVN 4390 SOC 4760 arth Sciences Con GEOL 1170 elect one of the fol GEOL/GEOG 4260 GEOL/GEOG 4330	ENVIRONMENTAL ANTHROPOLOGY AND NATIVE PEOPLES OF THE GREAT PLAINS (^) ENVIRONMENTAL ECONOMICS AND BUSINESS STRATEGY (^) ENVIRONMENTAL ETHICS (^) SUSTAINABILITY AND THE ENVIRONMENT IN THE SPANISH- SPEAKING WORLD (^) GLOBAL ENVIRONMENTAL POLITICS (^) THE NATURE OF THE PAST: AMERICAN ENVIRONMENTAL HISTORY, PRE- HISTORY TO THE PRESENT (^) ENVIRONMENTAL SOCIOLOGY (^) CCENTRATION INTRODUCTION TO PHYSICAL GEOLOGY (**) Illowing covering surface processes PROCESS GEOMORPHOLOGY (^) SOIL GENESIS, MORPHOLOGY AND CLASSIFICATION	4
Ec	ECON 3320 ENVN/PHIL 3180 ENVN/PSCI 4270 ENVN 4390 SOC 4760 arth Sciences Con GEOL 1170 elect one of the fol GEOL/GEOG 4260 GEOL/GEOG 4330 GEOL/GEOG 4640	ENVIRONMENTAL ANTHROPOLOGY AND NATIVE PEOPLES OF THE GREAT PLAINS (^) ENVIRONMENTAL ECONOMICS AND BUSINESS STRATEGY (^) ENVIRONMENTAL ETHICS (^) SUSTAINABILITY AND THE ENVIRONMENT IN THE SPANISH- SPEAKING WORLD (^) GLOBAL ENVIRONMENTAL POLITICS (^) THE NATURE OF THE PAST: AMERICAN ENVIRONMENTAL HISTORY, PRE- HISTORY TO THE PRESENT (^) ENVIRONMENTAL SOCIOLOGY (^) Centration INTRODUCTION TO PHYSICAL GEOLOGY (**) Illowing covering surface processes PROCESS GEOMORPHOLOGY (^) SOIL GENESIS, MORPHOLOGY AND CLASSIFICATION CRITICAL ZONE SCIENCE	4
Ec Se	ECON 3320 ENVN/PHIL 3180 ENVN/PHIL 3180 ENVN/PSCI 4270 ENVN 4390 SOC 4760 Arth Sciences Con GEOL 1170 Elect one of the fol GEOL/GEOG 4260 GEOL/GEOG 4330 GEOL/GEOG 4640 Elect an additional	ENVIRONMENTAL ANTHROPOLOGY AND NATIVE PEOPLES OF THE GREAT PLAINS (^) ENVIRONMENTAL ECONOMICS AND BUSINESS STRATEGY (^) ENVIRONMENTAL ETHICS (^) SUSTAINABILITY AND THE ENVIRONMENT IN THE SPANISH- SPEAKING WORLD (^) GLOBAL ENVIRONMENTAL POLITICS (^) THE NATURE OF THE PAST: AMERICAN ENVIRONMENTAL HISTORY, PRE- HISTORY TO THE PRESENT (^) ENVIRONMENTAL SOCIOLOGY (^) CCENTRATION INTRODUCTION TO PHYSICAL GEOLOGY (**) Illowing covering surface processes PROCESS GEOMORPHOLOGY (^) SOIL GENESIS, MORPHOLOGY AND CLASSIFICATION	4
Ec Se	ECON 3320 ENVN/PHIL 3180 ENVN/PHIL 3180 ENVN/PSCI 4270 ENVN 4390 SOC 4760 ENTH Sciences Con GEOL 1170 Elect one of the fol GEOL/GEOG 4260 GEOL/GEOG 4330 GEOL/GEOG 4640 Elect an additional scientification and intronmental scientification.	ENVIRONMENTAL ANTHROPOLOGY AND NATIVE PEOPLES OF THE GREAT PLAINS (^) ENVIRONMENTAL ECONOMICS AND BUSINESS STRATEGY (^) ENVIRONMENTAL ETHICS (^) SUSTAINABILITY AND THE ENVIRONMENT IN THE SPANISH- SPEAKING WORLD (^) GLOBAL ENVIRONMENTAL POLITICS (^) THE NATURE OF THE PAST: AMERICAN ENVIRONMENTAL HISTORY, PRE- HISTORY TO THE PRESENT (^) ENVIRONMENTAL SOCIOLOGY (^) COENTRATION INTRODUCTION TO PHYSICAL GEOLOGY (**) Howing covering surface processes PROCESS GEOMORPHOLOGY (^) SOIL GENESIS, MORPHOLOGY AND CLASSIFICATION CRITICAL ZONE SCIENCE 127 hours of geography/geology/	4
Ec Se	ECON 3320 ENVN/PHIL 3180 ENVN/PHIL 3180 ENVN/PSCI 4270 ENVN 4390 SOC 4760 ENTH Sciences Con GEOL 1170 Elect one of the fol GEOL/GEOG 4260 GEOL/GEOG 4330 GEOL/GEOG 4640 Elect an additional scientification and intronmental scientification.	ENVIRONMENTAL ANTHROPOLOGY AND NATIVE PEOPLES OF THE GREAT PLAINS (^) ENVIRONMENTAL ECONOMICS AND BUSINESS STRATEGY (^) ENVIRONMENTAL ETHICS (^) SUSTAINABILITY AND THE ENVIRONMENT IN THE SPANISH- SPEAKING WORLD (^) GLOBAL ENVIRONMENTAL POLITICS (^) THE NATURE OF THE PAST: AMERICAN ENVIRONMENTAL HISTORY, PRE- HISTORY TO THE PRESENT (^) ENVIRONMENTAL SOCIOLOGY (^) CONTROL OF THE PRESENT (^) ENVIRONMENTAL SOCIOLOGY (^) CONTROL OF THE PRESENT (^) CONTRO	4

MODELING (^)

	GEOL 2500	SPECIAL TOPICS IN GEOGRAPHY- GEOLOGY	
	GEOL 2750 & GEOL 2754	MINERALOGY and MINERALOGY LABORATORY (^)	
	GEOL 2760	IGNEOUS AND METAMORPHIC	
	& GEOL 2764	PETROLOGY	
		and IGNEOUS AND METAMORPHIC PETROLOGY LABORATORY (^)	
	GEOL 3300	STRUCTURAL GEOLOGY	
	& GEOL 3310	and STRUCTURAL GEOLOGY FIELD METHODS (^)	
	GEOL 3400	INTRODUCTION TO SEDIMENTARY	
	GLOL 5400	GEOLOGY (^)	
	GEOL/GEOG 4200	WATER QUALITY (^)	
	GEOL/GEOG 4260	PROCESS GEOMORPHOLOGY (^)	
	GEOL/PHYS 4400	GEOPHYSICS (^)	
	GEOL/GEOG 4640	CRITICAL ZONE SCIENCE (^)	
	GEOG 3510	METEOROLOGY (**)	
	GEOG 4010	CONSERVATION OF NATURAL RESOURCES (^)	
	GEOG/BIOL/GEOL 4100	BIOGEOGRAPHY (^)	
	GEOG 4320	CLIMATOLOGY (^)	
	GEOG/GEOL 4330	SOIL GENESIS, MORPHOLOGY AND CLASSIFICATION (^)	
	GEOG/ENVN 4350	GLOBAL CLIMATE CHANGE (^)	
	GEOG 4630	ENVIRONMENTAL REMOTE SENSING (^)	
S	elect one of the fo	llowing chemistry sequences 1	3
Se	equence One		
	CHEM 1140	FUNDAMENTALS OF COLLEGE	
	& CHEM 11//	CHEMISTRY	
	& CHEM 1144	CHEMISTRY and FUNDAMENTALS OF COLLEGE CHEMISTRY LABORATORY (** ^)	
	& CHEM 1144 CHEM 2210		
		and FUNDAMENTALS OF COLLEGE CHEMISTRY LABORATORY (** ^)	
	CHEM 2210	and FUNDAMENTALS OF COLLEGE CHEMISTRY LABORATORY (** ^) FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC	
	CHEM 2210 & CHEM 2214	and FUNDAMENTALS OF COLLEGE CHEMISTRY LABORATORY (** ^) FUNDAMENTALS OF ORGANIC CHEMISTRY	
Se	CHEM 2210 & CHEM 2214	and FUNDAMENTALS OF COLLEGE CHEMISTRY LABORATORY (** ^) FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY LABORATORY (^)	
Se	CHEM 2210 & CHEM 2214 GEOL/CHEM 4540 equence Two CHEM 1180	and FUNDAMENTALS OF COLLEGE CHEMISTRY LABORATORY (** ^) FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY LABORATORY (^) GEOCHEMISTRY (^)	
Se	CHEM 2210 & CHEM 2214 GEOL/CHEM 4540 equence Two	and FUNDAMENTALS OF COLLEGE CHEMISTRY LABORATORY (** ^) FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY LABORATORY (^) GEOCHEMISTRY (^)	
Se	CHEM 2210 & CHEM 2214 GEOL/CHEM 4540 equence Two CHEM 1180 & CHEM 1184 CHEM 1190	and FUNDAMENTALS OF COLLEGE CHEMISTRY LABORATORY (** ^) FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY LABORATORY (^) GEOCHEMISTRY (^) GENERAL CHEMISTRY I and GENERAL CHEMISTRY I LABORATORY (** ^) GENERAL CHEMISTRY II	
Se	CHEM 2210 & CHEM 2214 GEOL/CHEM 4540 equence Two CHEM 1180 & CHEM 1184	and FUNDAMENTALS OF COLLEGE CHEMISTRY LABORATORY (** ^) FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY LABORATORY (^) GEOCHEMISTRY (^) GENERAL CHEMISTRY I and GENERAL CHEMISTRY I LABORATORY (** ^)	
Se	GEOL/CHEM 4540 equence Two CHEM 1180 & CHEM 1184 CHEM 1190 & CHEM 1194 CHEM 2210	and FUNDAMENTALS OF COLLEGE CHEMISTRY LABORATORY (** ^) FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY LABORATORY (^) GEOCHEMISTRY (^) GENERAL CHEMISTRY I and GENERAL CHEMISTRY I LABORATORY (** ^) GENERAL CHEMISTRY II and GENERAL CHEMISTRY II LABORATORY (*) FUNDAMENTALS OF ORGANIC	
Se	CHEM 2210 & CHEM 2214 GEOL/CHEM 4540 equence Two CHEM 1180 & CHEM 1184 CHEM 1190 & CHEM 1194	and FUNDAMENTALS OF COLLEGE CHEMISTRY LABORATORY (** ^) FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY LABORATORY (^) GEOCHEMISTRY (^) GENERAL CHEMISTRY I and GENERAL CHEMISTRY I LABORATORY (** ^) GENERAL CHEMISTRY II and GENERAL CHEMISTRY II LABORATORY (^) FUNDAMENTALS OF ORGANIC CHEMISTRY	
Se	GEOL/CHEM 4540 equence Two CHEM 1180 & CHEM 1184 CHEM 1190 & CHEM 1194 CHEM 2210	and FUNDAMENTALS OF COLLEGE CHEMISTRY LABORATORY (** ^) FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY LABORATORY (^) GEOCHEMISTRY (^) GENERAL CHEMISTRY I and GENERAL CHEMISTRY I LABORATORY (** ^) GENERAL CHEMISTRY II and GENERAL CHEMISTRY II LABORATORY (*) FUNDAMENTALS OF ORGANIC	
	CHEM 2210 & CHEM 2214 GEOL/CHEM 4540 equence Two CHEM 1180 & CHEM 1184 CHEM 1190 & CHEM 1194 CHEM 2210 & CHEM 2214	and FUNDAMENTALS OF COLLEGE CHEMISTRY LABORATORY (** ^) FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY LABORATORY (^) GEOCHEMISTRY (^) GENERAL CHEMISTRY I and GENERAL CHEMISTRY I LABORATORY (** ^) GENERAL CHEMISTRY II and GENERAL CHEMISTRY II LABORATORY (^) FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY LABORATORY (^)	5
Si	CHEM 2210 & CHEM 2214 GEOL/CHEM 4540 equence Two CHEM 1180 & CHEM 1184 CHEM 1190 & CHEM 1194 CHEM 2210 & CHEM 2214	and FUNDAMENTALS OF COLLEGE CHEMISTRY LABORATORY (** ^) FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY LABORATORY (^) GEOCHEMISTRY (^) GENERAL CHEMISTRY I and GENERAL CHEMISTRY I LABORATORY (** ^) GENERAL CHEMISTRY II and GENERAL CHEMISTRY II LABORATORY (^) FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY LABORATORY (^) Illowing physics lecture and	5
Si	CHEM 2210 & CHEM 2214 GEOL/CHEM 4540 equence Two CHEM 1180 & CHEM 1184 CHEM 1190 & CHEM 1194 CHEM 2210 & CHEM 2214 elect one of the following the control of the contro	and FUNDAMENTALS OF COLLEGE CHEMISTRY LABORATORY (** ^) FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY LABORATORY (^) GEOCHEMISTRY (^) GEOCHEMISTRY I and GENERAL CHEMISTRY I LABORATORY (** ^) GENERAL CHEMISTRY II and GENERAL CHEMISTRY II LABORATORY (^) FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY CHEMISTRY LABORATORY (^) Illowing physics lecture and attions INTRODUCTION TO PHYSICS and INTRODUCTION TO PHYSICS	5
Si	CHEM 2210 & CHEM 2214 GEOL/CHEM 4540 equence Two CHEM 1180 & CHEM 1184 CHEM 1190 & CHEM 1194 CHEM 2210 & CHEM 2214 elect one of the followatory combine PHYS 1050 & PHYS 1054	and FUNDAMENTALS OF COLLEGE CHEMISTRY LABORATORY (** ^) FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY LABORATORY (^) GEOCHEMISTRY (^) GEOCHEMISTRY I and GENERAL CHEMISTRY I LABORATORY (** ^) GENERAL CHEMISTRY II and GENERAL CHEMISTRY II LABORATORY (^) FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY LABORATORY (^) Illowing physics lecture and intions INTRODUCTION TO PHYSICS and INTRODUCTION TO PHYSICS LABORATORY (** ^)	5
Si	CHEM 2210 & CHEM 2214 GEOL/CHEM 4540 equence Two CHEM 1180 & CHEM 1184 CHEM 1190 & CHEM 1194 CHEM 2210 & CHEM 2214 CHEM 2214 CHEM 2214	and FUNDAMENTALS OF COLLEGE CHEMISTRY LABORATORY (** ^) FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY LABORATORY (^) GEOCHEMISTRY (^) GEOCHEMISTRY (^) GENERAL CHEMISTRY I and GENERAL CHEMISTRY I LABORATORY (** ^) GENERAL CHEMISTRY II and GENERAL CHEMISTRY II LABORATORY (^) FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY LABORATORY (^) Illowing physics lecture and attions INTRODUCTION TO PHYSICS and INTRODUCTION TO PHYSICS LABORATORY (** ^) PHYSICS FOR LIFE SCIENCE I and GENERAL PHYSICS LABORATORY I	5
Si	CHEM 2210 & CHEM 2214 GEOL/CHEM 4540 equence Two CHEM 1180 & CHEM 1184 CHEM 1190 & CHEM 1194 CHEM 2210 & CHEM 2214 PHYS 1050 & PHYS 1054 PHYS 1110	and FUNDAMENTALS OF COLLEGE CHEMISTRY LABORATORY (** ^) FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY LABORATORY (^) GEOCHEMISTRY (^) GEOCHEMISTRY (^) GENERAL CHEMISTRY I and GENERAL CHEMISTRY I LABORATORY (** ^) GENERAL CHEMISTRY II and GENERAL CHEMISTRY II LABORATORY (^) FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY LABORATORY (^) Illowing physics lecture and intions INTRODUCTION TO PHYSICS and INTRODUCTION TO PHYSICS LABORATORY (** ^) PHYSICS FOR LIFE SCIENCE I	5
Si	CHEM 2210 & CHEM 2214 GEOL/CHEM 4540 equence Two CHEM 1180 & CHEM 1184 CHEM 1190 & CHEM 1194 CHEM 2210 & CHEM 2214 CHEM 2214 CHEM 2214 CHEM 2214 CHEM 2214 CHEM 2214 CHEM 2110 A CHEM 2114 CHEM 2214	and FUNDAMENTALS OF COLLEGE CHEMISTRY LABORATORY (** ^) FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY LABORATORY (^) GEOCHEMISTRY LABORATORY (^) GENERAL CHEMISTRY I and GENERAL CHEMISTRY I LABORATORY (** ^) GENERAL CHEMISTRY II and GENERAL CHEMISTRY II LABORATORY (^) FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY LABORATORY (^) Illowing physics lecture and attions INTRODUCTION TO PHYSICS and INTRODUCTION TO PHYSICS LABORATORY (** ^) PHYSICS FOR LIFE SCIENCE I and GENERAL PHYSICS LABORATORY I (** ^)	5

College Breadth

College of Arts and Sciences' breadth requirement satisfied by this major

Bachelor of Science Cognate Requirement

See major.

ELECTIVES

Elective hours as required to reach a total of 120 hours

Environmental Science, Bachelor of Science with a Concentration in Earth Sciences Four Year Plan

Freshman

Fall		Credits
BIOL 1330	ENVIRONMENTAL BIOLOGY	3
CHEM 1010	CHEMISTRY IN THE ENVIRONMENT AND SOCIETY	3
ENGL 1150	ENGLISH COMPOSITION I	3
MATH 1300 or MATH 1320	COLLEGE ALGEBRA WITH SUPPORT or COLLEGE ALGEBRA	3-4
General Education Co	ourse or Elective	3

Attend Durango Days; other campus events. Set up a Handshake account and take the Pathway U career assessment. Attend the Student Involvement & Volunteer Fair to explore student organizations. Make advising appointment for spring: Sept-Oct. Work with your advisor to develop your Pathway in Stellic.

	Credits	15-16
Spring		
CMST 1110 or CMST 2120	PUBLIC SPEAKING FUNDS or ARGUMENTATION AND DEBATE	3
ENGL 1160	COLLEGE RESEARCH AND INFORMATION LITERACY	3
ENVN 2010	ENVIRONMENTAL PROBLEMS AND SOLUTIONS	2
GEOL 1170	INTRODUCTION TO PHYSICAL GEOLOGY	4
General Education C	ourse or Elective	3

Attend campus events such as major exploration week to get an idea of interests and career paths. Schedule a resume review with UNO Career Services. Visit faculty office hours and ask about undergraduate research opportunities. Make advising appointment for summer and fall: February -March.

	Credits	15
Sophomore		
Fall		
CHEM 1140	FUNDAMENTALS OF COLLEGE	5
& CHEM 1144	CHEMISTRY	
	and FUNDAMENTALS OF COLLEGE	

CHEMISTRY LABORATORY

Approved GEOG/GEOL/ENVN Elective	3
Approved GEOG/GEOL/ENVN Elective	4
General Education Course or Elective	3

Attend the Career & Internship Fair to start networking with employers. Look for volunteer, research, or part-time work to gain experience. Join a student organization or club related to your field or interests. Make advising appointment for spring: Sept. - Oct.

> **Credits** 15

Spring CHEM 2210 FUNDAMENTALS OF ORGANIC 5 & CHEM 2214 **CHEMISTRY** and FUNDAMENTALS OF ORGANIC CHEMISTRY LABORATORY Approved GEOG/GEOL/ENVN Elective 4 Approved GEOG/GEOL/ENVN Elective 3 **General Education Course or Elective** 3 Attend a career fair for informational and networking purposes. Update your resume and LinkedIn profile with new experiences. Investigate and apply for summer internships,

	tudy abroad programs. Make advising for summer and fall: February – March.	
	Credits	15
Junior		
Fall		
GEOL 4540	GEOCHEMISTRY	3
Approved GIS Co	ourse	4
Approved GEOG	/GEOL/ENVN Elective	4
General Education	on Course or Elective	3
	aid internship or research assistantship. Attend iew workshop or use online interview tools with	

Apply for a paid internship or research assistantship. Attend a mock interview workshop or use online interview tools with Career Services. Start researching and visiting graduate programs or professional schools. Visit Career Center, continue updating resume. Make advising appointment for spring: Sept-Oct.

	Credits	14
Spring		
PHYS 1050 & PHYS 1054	INTRODUCTION TO PHYSICS and INTRODUCTION TO PHYSICS LABORATORY	5
Approved GEOG/0	GEOL/ENVN Elective	4
General Education	n Course or Elective	3
Elective		3

Request letters of recommendation from faculty for jobs or grad school. Attend the All-Majors Career Fair with a plan to network. Meet with your advisor or submit for a graduation check-in to review remaining degree requirements. Make advising appointment for summer and fall: February – March.

March.		
	Credits	15
Summer		
ENVN 4800	INTERNSHIP IN ENVIRONMENTAL	1
	MANAGEMENT AND PLANNING	
	Credits	1
Senior		
Fall		
ENVN/GEOG/GEOL/	ENVIRONMENTAL MONITORING AND	3
BIOL 4610	ASSESSMENT	
ENVN 4820	INTRODUCTION TO ENVIRONMENTAL	3
	LAW & REGULATIONS	
Approved GEOG/GEO	DL/ENVN Elective	3
Approved GEOG/GEO	DL/ENVN Elective	3
Elective course		3
graduate school a a career fair and s	er Center for networking tips. Finalize pplications or job search strategy. Attend tart applying for full-time jobs. Prepare salary negotiations with Career Services.	
	pointment for spring: Sept Oct.	

Credits

nent for spring: Sept. - Oct.

15

Spring

Total Credits	120-121
Credits	15
Complete your final advising check before graduation. Polish your resume, cover letters, and LinkedIn profile. Stay connected by joining alumni networks and professional organizations. Apply for graduation via MavLink.	
Elective	3
Elective course	3
An approved course focusing on the human dimensions of environmental studies	3
Statistics course	3
Approved GEOG/GEOL/ENVN Elective	3

Upper Level Credits: Students need 27 upper level credits throughout the degree with at least 18 upper level credits within the major. Electives may need to be selected at the 3000-4000 level to reach these minimums.

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, World 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

Transfer credit or placement exam scores may change suggested plan of study

GPA Requirements: 2.0

Note: This plan provides a general guide, but your specific courses, experiences, and career goals may differ. Work with your academic advisor to ensure you're meeting degree requirements and consult with career advisors to explore internships, research opportunities, and post-graduation plans. Regular check-ins will help you stay on track and make the most of your time at UNO!