

PROGRAM SUMMARY

- **Credit Hours:** 120 hours
 - **Concentrations:** No
 - **Declaring the Major:** GPA requirements, pre-requisite courses, application deadlines, pre-enrollment advising etc. Students may declare the major at any time before graduation.
 - **Advising (For the Major):** Each major is assigned an advisor from within the department. Majors will meet with this advisor before each subsequent semester to define the most advantageous course schedule for the student. An advising hold will be in place until the student completes their advising meeting, at which time it will be removed for registration.
 - **Advising (For General Education):** General Education course advising can be done within the department by your major advisor.
 - **Minimum Grades/GPA:** minimum GPA is 2.0
 - **Teacher Licensure:** YES. Students preparing to teach high school earth science may become licensed by earning the B.A. in Environmental Studies degree with the Secondary Teaching Option. Licensure applications are the responsibility of the student and the Office of Student Academic Services in the College of Education.
 - **Evening Classes Available:** No
 - **Weekend Classes Available:** No
 - **Other Information:** GEO (Geology & Earth Science Organization); GTU (Gamma Theta Upsilon, which is an international honor society in geography); STORM (Student Organization of Meteorology).
 - **Contact(s):** Mr. Jake Armour, undergraduate coordinator for ESCI/GEOL, jarmour@uncc.edu; Ms. Jamie Strickland, undergraduate coordinator for GEOG, jstrickl@uncc.edu; Mr. Terry Shirley, undergraduate coordinator for METR, thsirle@uncc.edu
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PROGRAM REQUIREMENTS

Our Environmental Studies degree is for students who are interested in things like environmental sciences, streams and rivers, groundwater, soil, erosion, and the oceans. With a BA in Environmental Studies you might go to work in the environmental policy and regulatory arena, work for an environmental activist group like the Sierra Club or practice environmental law. We also offer a separate B.A. in Environmental Studies degree with a minor in Secondary Education that uniquely prepares and licenses you for teaching at the K-12 level in the state of North Carolina.

Extracurricular experiences are important components of the earth sciences program at UNC Charlotte. Our students hold internships at local geotechnical engineering and environmental consulting firms and are also involved in earth science research and field work in the subjects of geomorphology, soil science, GIS and hydrology. In addition, students at UNC Charlotte participate in regional and national professional organizations and conferences. Also available to students is participation in the **Geology and Earth Science Organization (GEO)**, an official student chapter of the Association of Engineering and Environmental Geologists (AEG), which is aimed to help students network with geoscience professionals in the surrounding area and around the country.

Students preparing to teach high school earth science may become licensed by earning the B.A. in Environmental Studies degree with the Secondary Teaching Option. This program consists of a minimum of 38 hours in geography and earth science, including ESCI 1101, 1101L, 2101, 3105; GEOL 1200, 1200L, 1210, 1210L, 3115, 3190, 3190L; and GEOG 2103; 9 elective hours selected from earth science courses of which at least 4 hours are in courses numbered 3000 or above. Also required for this option are CHEM 1251, 1251L; PHYS 1101, 1101L; MATH 1241; Minor in Secondary Education; PHYS 1130, 1130L; and one additional physical or life science elective.

Areas	Credit Hours	Description
Pre-Major/ Prerequisites	-	
Major	53	37 hours of required courses in Earth Science (ESCI) Meteorology (METR), Geology (GEOL), and Geography (GEOG) courses. 16 hours of elective courses.
General Education <i>(not satisfied by other major requirements)</i>	29-32	Hours do not include those requirements which are satisfied within the major. BA EnvSt majors are encouraged to take STATS 1xxx to satisfy the second semester MATH requirement of General Education. Transfer students with an associate's degree are exempt from most General Education, but must complete Writing Intensive requirements.
Related Work	3-21	May be satisfied by a second major, a minor, or a set of coordinated courses developed through consultation with an advisor.
Foreign Language	0-8	Foreign language: Proficiency at the introductory level (1202) by coursework, placement test, or high school coursework.
Electives	20-35	As needed to complete 120 hours total.
Total Credit Hours	120	

SUGGESTED PLAN OF STUDY – B.A. IN ENVIRONMENTAL STUDIES

Freshman Year					
Course Number	Course Title	Credit Hours	General Education	W/O Course	Notes
<i>Fall Semester</i>					
MATH 1xxx	Math (General Education Requirement)	3	X		
UWRT 1103	Writing and Inquiry in Academic Contexts (or UWRT 1104)	3	X		
GEOL 1200	Introduction to Physical Geology	3	X		
GEOL 1200L	Introduction to Physical Geology Lab	1	X		
Social Sci.	Social Science Elective	3	X		
XXXX XXXX	General Elective	2			
<i>Spring Semester</i>					
STAT 1xxx	Statistics	3	X		
XXXX XXXX	Elective	3			
ESCI 1101	Earth Science-Geography	3	X		
ESCI 1101L	Earth Science-Geography Lab	1			
LBST 11xx	Arts and Society Elective	3	X		
XXXX XXXX	General Elective	2			

30 Credit Hours for Year

Sophomore Year					
Course Number	Course Title	Credit Hours	General Education	W/O Course	Notes
<i>Fall Semester</i>					
LBST 2301	Critical Thinking and Communication	3	X		
ESCI 2210 or GEOG 2110	Research Methods Elective	3			
GEOG 1105	The Location of Human Activity	3			
FORL 1201	Foreign Language Elective	3-4			Or demonstrate proficiency
XXXX XXXX	General Elective	3			
<i>Spring Semester</i>					
ESCI 2101	Environmental Dilemma	3			
GEOL 3190	Environmental Geology	3			
FORL 1202	Foreign Language Elective	3-4			Or demonstrate proficiency
GEOG 3215	Environmental Planning	3	X	W	
XXXX XXXX	General Elective	3			

30-32 Credit Hours for Year

Junior Year					
Course Number	Course Title	Credit Hours	General Education	W/O Course	Notes
<i>Fall Semester</i>					
LBST 2102	Global and Intercultural Connections (or LBST 2101 or LBST 22XX)	3	X		
GEOL 1103	Spatial Thinking	4			
STAT 12XX	Statistics	3			
XXXX XXXX	General Elective	3			
XXXX XXXX	General Elective	3			
<i>Spring Semester</i>					
LBST 22XX	Ethical and Cultural Critique (or LBST 2101 or LBST 2102)	3	X		
XXXX XXXX	Writing Intensive Elective	3	X	W	
G&ES Elective	Major Elective	3			Approved G&ES Dept. Elective
G&ES Elective	Major Elective	3			Approved G&ES Dept. Elective
XXXX XXXX	General Elective	3			

31 Credit Hours for Year

Senior Year					
Course Number	Course Title	Credit Hours	General Education	W/O Course	Notes
<i>Fall Semester</i>					
Energy/Resources	ECON 4181, GEOG 3220, or GEOL 3105	3			
GEOG 4215	Urban Ecology	3			
G&ES Elective	Major Elective	4			Approved G&ES Dept. Elective
XXXX XXXX	General Electives	5			
<i>Spring Semester</i>					
ESCI 4600	Earth Science Seminar	1	X	O	
G&ES Elective	Major Elective	3			Approved G&ES Dept. Elective
G&ES Elective	Major Elective	3			Approved G&ES Dept. Elective
XXXX XXXX	General Electives	7			

29 Credit Hours for Year

ADVISING RESOURCES

- General Education Requirements for ALL Students: ucol.uncc.edu/general-education
- Undergraduate Catalog: catalog.uncc.edu
- CentralAdvising website: advising.uncc.edu
- College of Liberal Arts & Sciences advising website: clas.uncc.edu/students/Advising-News/
- University Advising Center website: advisingcenter.uncc.edu

SUGGESTED PLAN OF STUDY – B.A. IN ENVIRONMENTAL STUDIES, SECONDARY TEACHING OPTION

Freshman Year					
Course Number	Course Title	Credit Hours	General Education	W/O Course	Notes
<i>Fall Semester</i>					
Social Sci.	Social Science Elective	3	X		
UWRT 1103	Writing and Inquiry in Academic Contexts (or UWRT 1104)	3	X		
MATH 1241	Calculus I	3	X		
ESCI 1101	Earth Science-Geography	3	X		
ESCI 1101L	Earth Science-Geography Lab	1	X		
<i>Spring Semester</i>					
STAT 1xxx	Statistics or Philosophy Elective	3	X		Or PHIL 2105
XXXX XXXX	Elective	3			
GEOL 1200	Introduction to Physical Geology	3	X		
GEOL 1200L	Introduction to Physical Geology Lab	1			
PHYS 1101	Introduction to Physics	3			
PHYS 1101L	Introduction to Physics Lab	1			
					30 Credit Hours for Year

Sophomore Year					
Course Number	Course Title	Credit Hours	General Education	W/O Course	Notes
<i>Fall Semester</i>					
FORL 1201	Foreign Language Elective	3-4			Or demonstrate proficiency
LBST 2301	Critical Thinking and Communication	3	X		
GEOL 1210	Earth History	3			
GEOL 1210L	Earth History Lab	1			
MDSK 2100	Diversity and Inclusion Secondary School	3			Must earn a "C" or better
XXXX XXXX	General Elective	1			
<i>Spring Semester</i>					
FORL 1202	Foreign Language Elective	3-4			Or demonstrate proficiency
ESCI 2101	Environmental Dilemma	3			
CHEM 1251	Principles of Chemistry	3			
CHEM 1251L	Principles of Chemistry Lab	1			
GEOL 3190	Environmental Geology	3			
MDSK 3151	Instructional Design for Middle and Secondary School Learners	3			
					30-32 Credit Hours for Year

Junior Year					
Course Number	Course Title	Credit Hours	General Education	W/O Course	Notes
<i>Fall Semester</i>					
LBST 2102	Global and Intercultural Connections (or LBST 2101 or LBST 22XX)	3	X		
ESCI 3105	Oceanography	3			
G&ES Elective	Major Elective	2			Approved G&ES Dept. Elective
PHYS 1130	Introduction to Astronomy	3			
PHYS 1130L	Introduction to Astronomy Lab	1			
SECD 4140	Adolescence and Secondary Schools	3			
<i>Spring Semester</i>					
LBST 22XX	Ethical and Cultural Critique (or LBST 2101 or LBST 2102)	3	X		
Science Elective	Extra-departmental Physical or Life Science Elective	3			
GEOL 3115	Mineralogy	4			
G&ES elective	Major Elective	2			Approved G&ES Dept. Elective
READ 3255	Integrated Reading and Writing in the Content Areas	3	X	W	
					31 Credit Hours for Year

Senior Year					
Course Number	Course Title	Credit Hours	General Education	W/O Course	Notes
<i>Fall Semester</i>					
GEOG 1103	Spatial Thinking	4			
G&ES Elective	Major Elective (3000-4000 Level)	4	X	W	Approved G&ES Dept. Elective
MDSK 4251	Teaching Science to Middle & Secondary School Learners	3			
EDUC 4291	Mod. Instruction for Middle/Secondary Learners with Diverse Needs	3			
<i>Spring Semester</i>					
MDSK 4150	Assessment, Reflection, & Management Practices	3			
SECD 4453	Student Teaching Seminar: 9-12 Secondary Science	12	X	O	
					29 Credit Hours for Year

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- General Education Requirements for ALL Students: ucol.uncc.edu/general-education
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- College of Liberal Arts & Sciences advising website: clas.uncc.edu/students/Advising-News/
- University Advising Center website: advisingcenter.uncc.edu