

## 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:** No. Only in B.A. in Environmental Studies. 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](mailto:jarmour@uncc.edu); Ms. Jamie Strickland, undergraduate coordinator for GEOG, [jstrickl@uncc.edu](mailto:jstrickl@uncc.edu); Mr. Terry Shirley, undergraduate coordinator for METR, [thsirle@uncc.edu](mailto:thsirle@uncc.edu)
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## PROGRAM REQUIREMENTS

Geology at UNC Charlotte is for students who are interested in things like rocks & minerals, plate tectonics, how mountains are made, earthquakes and faults, fossils and the history of the Earth. With a BS in Geology you might consult for an engineering firm or do the mining and oil industry work yourself! If you are interested in going on to graduate school or working in the industry as a scientist, you should complete a B.S. Requirements for these degrees include courses in topics like sedimentology, structural geology and mineralogy.

Extracurricular experiences are important components of the geology program at UNC Charlotte. Our students hold internships at local geotechnical engineering and environmental consulting firms and are also involved in geologic research and field work in the subjects of geomorphology, sedimentology, and structural geology. 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.

<b>Areas</b>	<b>Credit Hours</b>	<b>Description</b>
<b>Pre-Major/ Prerequisites</b>	-	
<b>Major</b>	45	28 hours in required courses in Geology (GEOL) and Earth Science (ESCI), 17 hours of electives within the department. Note that CHEM 1251 and 1251L must be completed successfully before taking GEOL 3115
<b>General Education</b> <i>(not satisfied by other major requirements)</i>	21-27	Hours do not include those requirements which are satisfied within the major. Transfer students with an associate's degree are exempt from most General Education, but must complete Writing Intensive requirement.
<b>Related Work</b>	18	Required extra departmental courses in chemistry, physics, and mathematics.
<b>Foreign Language</b>	0-8	Foreign language: Proficiency at the introductory level (1202) by coursework, placement test, or high school coursework.
<b>Electives</b>	20-35	As needed to complete 120 hours total.
<b>Total Credit Hours</b>	120	

## SUGGESTED PLAN OF STUDY – B.S. IN GEOLOGY

### Freshman Year

Course Number	Course Title	Credit Hours	General Education	W/O Course	Notes
<i>Fall Semester</i>					
LBST 11xx	Arts and Society	3	X		
CHEM 1251	General Chemistry I	3	X		
CHEM 1251L	General Chemistry I Lab	1	X		
UWRT 1101	Writing and Inquiry in Academic Contexts I	3	X		
GEOL 1200	Introduction to Physical Geology	3	X		
GEOL 1200L	Introduction to Physical Geology Lab	1			
<i>Spring Semester</i>					
LBST 2101	Western Culture and History	3	X		
PHYS 1101	Introductory Physics	3			
PHYS 1101L	Introductory Physics Lab	1			
UWRT 1102	Writing and Inquiry in Academic Contexts II	3	X		
GEOL 1210	Earth History	3			
GEOL 1210L	Earth History Lab	1			

28 Credit Hours for Year

### Sophomore Year

Course Number	Course Title	Credit Hours	General Education	W/O Course	Notes
<i>Fall Semester</i>					
CHEM or PHYS	CHEM 1252 or PHYS 1102	3			
Laboratory	CHEM 1252L or PHYS 1102L	1			
MATH 1241	Calculus I	3	X		
ESCI 1101	Earth Science-Geography	3			
ESCI 1101L	Earth Science-Geography Lab	1			
FORL 1201	Foreign Language Elective	3-4			Or demonstrate proficiency
<i>Spring Semester</i>					
GEOL 3115	Mineralogy	4			
MATH 1242	Calculus II	3	X		
FORL 1202	Foreign Language Elective	3-4			Or demonstrate proficiency
Social Sci.	Social Science Elective	3	X		
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>					
GEOL 3124	Sedimentology	4	X	W	
GEOL 4130	Optical Mineralogy	4			
G&ES Elective	Major Elective	4			GEOL or ESCI course at the 3000 level or above
LBST 2102	Global Connection	3	X		
XXXX XXXX	General Elective	1			
<i>Spring Semester</i>					
LBST 22xx	Liberal Studies Elective	3	X		
XXXX XXXX	Writing Intensive Elective	3	X	W	
G&ES Elective	Major Elective	3			GEOL or ESCI course at the 3000 level or above
XXXX XXXX	General Elective	3			
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>					
GEOL 3130	Structural Geology	4			
G&ES Elective	Major Elective	4			GEOL or ESCI course at the 3000 level or above
G&ES Elective	Major Elective	3			GEOL or ESCI course at the 3000 level or above
XXXX XXXX	General Elective	3			
XXXX XXXX	General Elective	2			
<i>Spring Semester</i>					
XXXX XXXX	Oral Communications	3	X	O	
G&ES Elective	Major Elective	3			GEOL or ESCI course at the 3000 level or above
XXXX XXXX	General Elective	3			
XXXX XXXX	General Elective	3			
XXXX XXXX	General Elective	3			

31 Credit Hours for Year

## ADVISING RESOURCES

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