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; Ms. Jamie Strickland, undergraduate coordinator for GEOG, jstrickl@uncc.edu; Mr. Terry Shirley, undergraduate coordinator for METR, thsirle@uncc.edu

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.
<table>
<thead>
<tr>
<th>Areas</th>
<th>Credit Hours</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-Major/Prerequisites</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Major</td>
<td>45</td>
<td>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.</td>
</tr>
<tr>
<td>General Education (not satisfied by other major requirements)</td>
<td>21-27</td>
<td>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.</td>
</tr>
<tr>
<td>Related Work</td>
<td>18</td>
<td>Required extra departmental courses in chemistry, physics, and mathematics.</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>0-8</td>
<td>Foreign language: Proficiency at the introductory level (1202) by coursework, placement test, or high school coursework.</td>
</tr>
<tr>
<td>Electives</td>
<td>20-35</td>
<td>As needed to complete 120 hours total.</td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td>120</td>
<td></td>
</tr>
</tbody>
</table>
# Suggested Plan of Study – B.S. in Geology

## Freshman Year

### Fall Semester
- **LBST 110X**: Arts and Society
  - **Course Title**: Arts and Society
  - **Credit Hours**: 3
  - **General Education W/O Course**: X
- **CHEM 1251**: General Chemistry I
  - **Course Title**: General Chemistry I
  - **Credit Hours**: 3
  - **General Education W/O Course**: X
- **CHEM 1251L**: General Chemistry I Lab
  - **Course Title**: General Chemistry I Lab
  - **Credit Hours**: 1
  - **General Education W/O Course**: X
- **UWRT 1103**: Writing and Inquiry in Academic Contexts (or UWRT 1104)
  - **Course Title**: Writing and Inquiry in Academic Contexts
  - **Credit Hours**: 3
  - **General Education W/O Course**: X
- **GEOL 1200**: Introduction to Physical Geology
  - **Course Title**: Introduction to Physical Geology
  - **Credit Hours**: 3
  - **General Education W/O Course**: X
- **GEOL 1200L**: Introduction to Physical Geology Lab
  - **Course Title**: Introduction to Physical Geology Lab
  - **Credit Hours**: 1

### Spring Semester
- **LBST 2101**: Western Cultural and Historical Awareness (or LBST 2102 or 221X)
  - **Course Title**: Western Cultural and Historical Awareness
  - **Credit Hours**: 3
  - **General Education W/O Course**: X
- **LBST 221X**: Ethical and Cultural Critique (or LBST 2101 or 2102)
  - **Course Title**: Ethical and Cultural Critique
  - **Credit Hours**: 3
  - **General Education W/O Course**: X
- **PHYS 1101**: Introductory Physics
  - **Course Title**: Introductory Physics
  - **Credit Hours**: 3
- **PHYS 1101L**: Introductory Physics Lab
  - **Course Title**: Introductory Physics Lab
  - **Credit Hours**: 1
- **GEOL 1210**: Earth History
  - **Course Title**: Earth History
  - **Credit Hours**: 3

**28 Credit Hours for Year**

## Sophomore Year

### Fall Semester
- **CHEM or PHYS**: CHEM 1252 or PHYS 1102
  - **Course Title**: CHEM 1252 or PHYS 1102
  - **Credit Hours**: 3
- **Laboratory**: CHEM 1252L or PHYS 1102L
  - **Course Title**: CHEM 1252L or PHYS 1102L Lab
  - **Credit Hours**: 1
- **MATH 1241**: Calculus I
  - **Course Title**: Calculus I
  - **Credit Hours**: 3
- **ESCI 1101**: Earth Science - Geography
  - **Course Title**: Earth Science - Geography
  - **Credit Hours**: 3
- **ESCI 1101L**: Earth Science-Geography Lab
  - **Course Title**: Earth Science-Geography Lab
  - **Credit Hours**: 1
- **FORL 1201**: Foreign Language Elective
  - **Course Title**: Foreign Language Elective
  - **Credit Hours**: 3
  - **General Education W/O Course**: - 4
  - **Notes**: Or demonstrate proficiency

### Spring Semester
- **GEOL 3115**: Mineralogy
  - **Course Title**: Mineralogy
  - **Credit Hours**: 4
- **MATH 1242**: Calculus II
  - **Course Title**: Calculus II
  - **Credit Hours**: 3
- **FORL 1202**: Foreign Language Elective
  - **Course Title**: Foreign Language Elective
  - **Credit Hours**: 3
  - **General Education W/O Course**: - 4
  - **Notes**: Or demonstrate proficiency
- **Social Sci**: Social Science Elective
  - **Course Title**: Social Science Elective
  - **Credit Hours**: 3
  - **General Education W/O Course**: X
- **LBST 2301**: Critical Thinking and Communication
  - **Course Title**: Critical Thinking and Communication
  - **Credit Hours**: 3

**30-32 Credit Hours for Year**

## Junior Year

### Fall Semester
- **GEOL 3124**: Sedimentology
  - **Course Title**: Sedimentology
  - **Credit Hours**: 4
  - **General Education W/O Course**: X
  - **W**:
- **GEOL 4130**: Optical Mineralogy
  - **Course Title**: Optical Mineralogy
  - **Credit Hours**: 4
- **G&ES Elective**: Major Elective
  - **Course Title**: Major Elective
  - **Credit Hours**: 4
  - **General Education W/O Course**: GEOL or ESCI course at the 3000 level or above
- **XXXX XXXX**: General Elective
  - **Course Title**: General Elective
  - **Credit Hours**: 3
- **G&ES Elective**: Major Elective
  - **Course Title**: Major Elective
  - **Credit Hours**: 3
  - **General Education W/O Course**: GEOL or ESCI course at the 3000 level or above

### Spring Semester
- **G&ES Elective**: Major Elective
  - **Course Title**: Major Elective
  - **Credit Hours**: 3
- **XXXX XXXX**: Writing Intensive Elective
  - **Course Title**: Writing Intensive Elective
  - **Credit Hours**: 3
  - **General Education W/O Course**: X
  - **W**:
- **XXXX XXXX**: General Elective
  - **Course Title**: General Elective
  - **Credit Hours**: 3
  - **General Education W/O Course**: GEOL or ESCI course at the 3000 level or above
- **XXXX XXXX**: General Elective
  - **Course Title**: General Elective
  - **Credit Hours**: 3
  - **General Education W/O Course**: 3

**31 Credit Hours for Year**

## Senior Year

### Fall Semester
- **GEOL 3130**: Structural Geology
  - **Course Title**: Structural Geology
  - **Credit Hours**: 4
  - **General Education W/O Course**: GEOL or ESCI course at the 3000 level or above
- **G&ES Elective**: Major Elective
  - **Course Title**: Major Elective
  - **Credit Hours**: 4
  - **General Education W/O Course**: GEOL or ESCI course at the 3000 level or above
- **G&ES Elective**: Major Elective
  - **Course Title**: Major Elective
  - **Credit Hours**: 3
  - **General Education W/O Course**: GEOL or ESCI course at the 3000 level or above
- **XXXX XXXX**: General Elective
  - **Course Title**: General Elective
  - **Credit Hours**: 3
- **XXXX XXXX**: General Elective
  - **Course Title**: General Elective
  - **Credit Hours**: 2

### Spring Semester
- **XXXX XXXX**: Oral Communications
  - **Course Title**: Oral Communications
  - **Credit Hours**: 3
  - **General Education W/O Course**: X
  - **O**:
- **G&ES Elective**: Major Elective
  - **Course Title**: Major Elective
  - **Credit Hours**: 3
  - **General Education W/O Course**: GEOL or ESCI course at the 3000 level or above
- **XXXX XXXX**: General Elective
  - **Course Title**: General Elective
  - **Credit Hours**: 3
- **XXXX XXXX**: General Elective
  - **Course Title**: General Elective
  - **Credit Hours**: 3
- **XXXX XXXX**: General Elective
  - **Course Title**: General Elective
  - **Credit Hours**: 3

**31 Credit Hours for Year**

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

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Updated August 2017