# Geology B.A.

## Degree Requirements: 126 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

<table>
<thead>
<tr>
<th>Area</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1 - Communication Skills</td>
<td>6</td>
</tr>
<tr>
<td>A2 - Quantitative Skills</td>
<td>3</td>
</tr>
<tr>
<td>B - Global Engagement</td>
<td>4</td>
</tr>
<tr>
<td>C - Humanities, Fine Arts, and Ethics</td>
<td>6</td>
</tr>
<tr>
<td>D - Natural Sciences, Mathematics, and Technology</td>
<td>11</td>
</tr>
<tr>
<td>E - Social Sciences</td>
<td>12</td>
</tr>
<tr>
<td>F - Courses Appropriate to Major</td>
<td>1</td>
</tr>
<tr>
<td>Electives</td>
<td>1</td>
</tr>
</tbody>
</table>

**Select from the following:**

- BIOL 1130 General Biology
- BIOL 1110 and General Biology Laboratory
- MATH 1441 Calculus I
- MATH 2242 Calculus II
- PHYS 1111 Introduction to Physics I
- PHYS 1112 Introduction to Physics II
- STAT 2231 Introduction to Statistics I

**Health and Physical Education Activities**

- HLTH 1520 Healthful Living 2
- Physical Education Activities 2

**Orientation**

- FYE 1220 First-Year Seminar 2

**Specific Requirements**

**Geology Requirements**

- GEOL 3541 Mineralogy 4
- GEOL 3542 Petrology and Petrography 4
- GEOL 5142 Stratigraphy and Sedimentation 4
- GEOL 5440 Structural Geology 4
- Geology Electives - (3000 level and above) 9

**Electives**

- Select 14-20 credit hours of Electives 14-20

**Foreign Language (2002 Level)**

- Select 0-6 credit hours of Foreign Language 0-6

**Minor:** Must be approved by advisor

## Program Requirements

- Geology majors must maintain an overall 2.0 GPA across all Geology coursework (any course with GEOL prefix).

## Honors in Geology

Students majoring in Geology (BS or BA) may pursue an Honors in Geology program. Students are required to have a minimum GPA of 3.2 after 45 credit hours of coursework and approval of Geology and Geography faculty to commence the Honors program.

To graduate with Honors in Geology, a student must:

- Maintain a minimum GPA of 3.5 in the major and a 3.2 in a minor.
- Complete a senior thesis (BA or BS degree) with a minimum grade of “B” in Senior Seminar (GEOL 4610). The thesis will be supervised by a Geology/Geography faculty member.
- Complete a Introduction to Research (GEOL 4120), Senior Thesis Research I (GEOL 4830), and Senior Thesis Research II (GEOL 4831) (3 semester research sequence) for a total of 8 credit hours. A minimum grade of “B” is required in Introduction to Research (GEOL 4120) to continue the research sequence.
- Present a departmental seminar on the thesis research.

## Advisement

COSM Advisement Center, Engineering Building, Room 1116, (912) 478-0649