Geology B.A.

Degree Requirements: 124 Credit Hours

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

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>General Requirements (Core A – E)</strong></td>
<td>42</td>
</tr>
<tr>
<td>Area A2 -- Must take MATH 1112, MATH 1113 or MATH 1441</td>
<td></td>
</tr>
<tr>
<td><strong>Additional Requirements</strong></td>
<td>4</td>
</tr>
<tr>
<td><strong>Area F - Courses Appropriate to Major</strong></td>
<td></td>
</tr>
<tr>
<td>Students must complete CHEM 1211K, CHEM 1212K, GEOL 1121, and GEOL 1122 if not taken in Area D</td>
<td></td>
</tr>
<tr>
<td>CHEM 1211K Principles of Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>or CHEM 1211 Principles of Chemistry I</td>
<td></td>
</tr>
<tr>
<td>&amp; 1211L Principles of Chemistry I Laboratory</td>
<td></td>
</tr>
<tr>
<td>CHEM 1212K Principles of Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>or CHEM 1212 Principles of Chemistry II</td>
<td></td>
</tr>
<tr>
<td>&amp; 1212L Principles of Chemistry II Laboratory</td>
<td></td>
</tr>
<tr>
<td>GEOL 1121 Introduction to the Earth (if not taken in Area D1))</td>
<td>0-4</td>
</tr>
<tr>
<td>GEOL 1122 General Historical Geology ((if not taken in Area D2))</td>
<td>1-4</td>
</tr>
</tbody>
</table>

**Electives**

Select from the following:

- BIOL 1103 Concepts of Biology
- & 1103L Concepts of Biology Laboratory (or BIOL 1110L)
- MATH 1441 Calculus I
- MATH 2242 Calculus II
- PHYS 1111K Introductory Physics I
- PHYS 1112K Introductory Physics II
- STAT 1401 Elementary Statistics

**Major Requirements**

- GEOL 3541 Mineralogy 4
- GEOL 3542 Petrology and Petrography 4
- GEOL 5142 Stratigraphy and Sedimentation 4
- GEOL 5440 Structural Geology 4

Geology Electives (Must include 9 credit hours of GEOL 3000-level or above) 9

**Electives**

Must include at least 5 credit hours of upper-division coursework (3000-level and above) coursework 11-20

**Foreign Language (2002 Level)**

Completion through 2002-level Foreign Language 1 0-9

**Minor: Must be approved by advisor**

Select 15 credit hours of Minor coursework 15

**Total Credit Hours**

124

1 May be satisfied by a secondary school background showing four (4) years or more of preparation in a single language

**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:

- Be admitted to the University Honors Program;
- Complete Senior Thesis Research II (GEOL 4831) with a grade of B or higher;
- Complete Introduction to Research (GEOL 4120) (with a grade of B or higher), Senior Thesis Research I (GEOL 4830), and Senior Thesis Research II (GEOL 4831) for a total of 8 credit hours;
- Successfully complete and present an Honors Thesis or Capstone Project;
- Be in good standing in the University Honors Program at the time of graduation.

**Program Requirements**

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