## REQUIREMENTS FOR THE BACHELOR OF SCIENCE IN GEOLOGY

### COLLEGE OF EARTH AND ENERGY

### THE UNIVERSITY OF OKLAHOMA

---

### GENERAL REQUIREMENTS

- **Total Credit Hours:** 127*
- **Total Upper-Division Credit Hours:** 48

### Minimum Retention/Graduation Grade Point Averages:

- Minimum in OU Coursework: 2.00
- Minimum in Major Coursework: Combined and OU: 2.00
- Overall: Combined and OU: 2.00

---

### For Students Entering the Oklahoma State System for Higher Education

**Summer 2009 through Spring 2010**

---

### Core I

- **Symbolic and Oral Communication (9–19 hours, 3–5 courses):**
  - English Composition: 6 hours, 2 courses
  - Mathematics: 3 hours, 1 course
  - Foreign Language: 0–10 hours, 2 courses in the same language
  - Other courses such as communication, logic or public speaking

### Core II

- **Natural Science (7 hours, 2 courses):**
  - Courses must be taken from different disciplines in the biological and/or physical sciences

### Core III

- **Social Science (6 hours, 2 courses):**
  - One course must be PSC 1113, "American Federal Government"

### Core IV

- **Humanities (12 hours, 4 courses):**
  - Understanding Artistic Forms: 3 hours, 1 course
  - Western Civilization and Culture: 6 hours, 2 courses, including HIST 1483 or HIST 1493
  - Non-Western Cultures: 3 hours, 1 course

### Senior Capstone Experience (3 hours, 1 course)

---

### University-Wide General Education Requirements (minimum 40 hours)

Courses designated as Core I, II, III, IV, or Capstone are part of the General Education curriculum. Students must complete a minimum of 40 hours of General Education courses, chosen from the approved list, including at least one upper-division Gen. Ed. course outside of the student's major. Courses graded S/U or P/NP will not apply.

### Core I

- **Symbolic and Oral Communication (9–19 hours, 3–5 courses):**
  - English Composition: 6 hours, 2 courses
  - Mathematics: 3 hours, 1 course
  - Foreign Language: 0–10 hours, 2 courses in the same language
  - Other courses such as communication, logic or public speaking

### Core II

- **Natural Science (7 hours, 2 courses):**
  - Courses must be taken from different disciplines in the biological and/or physical sciences

### Core III

- **Social Science (6 hours, 2 courses):**
  - One course must be PSC 1113, "American Federal Government"

### Core IV

- **Humanities (12 hours, 4 courses):**
  - Understanding Artistic Forms: 3 hours, 1 course
  - Western Civilization and Culture: 6 hours, 2 courses, including HIST 1483 or HIST 1493
  - Non-Western Cultures: 3 hours, 1 course

---

### Nature of Science (7 hours, 2 courses)

### TOTAL CREDIT HOURS

**FIRST SEMESTER**

<table>
<thead>
<tr>
<th>Year</th>
<th>ENGL 1113, Principles of English Composition (Core I)</th>
<th>MATH 1823, Calculus &amp; Analytic Geometry I (Core I)</th>
<th>CHEM 1315, General Chemistry (Core II)</th>
<th>GEOL 1114, Physical Geology for Science and Engineering Majors</th>
<th>Total Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRESHMAN</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>15</td>
</tr>
</tbody>
</table>

**SECOND SEMESTER**

<table>
<thead>
<tr>
<th>Year</th>
<th>ENGL 1213, Principles of English Composition (Core I), or EXPO 1213, Expository Writing (Core I)</th>
<th>MATH 2423, Calculus &amp; Analytic Geometry II</th>
<th>CHEM 1415, General Chemistry (Continued)</th>
<th>GEOL 1124, Earth History</th>
<th>Total Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRESHMAN</td>
<td>3</td>
<td>3</td>
<td>5</td>
<td>4</td>
<td>15</td>
</tr>
</tbody>
</table>

---

### Sophomore

**TOTAL CREDIT HOURS**

**SUMMER**

- **GEOL 4136, Field Geology (Capstone)—6 CREDIT HOURS**

---

### Junior

**TOTAL CREDIT HOURS**

<table>
<thead>
<tr>
<th>Year</th>
<th>ENGL 3153, Technical Writing</th>
<th>GEOL 4113, Depositional Systems &amp; Stratigraphy</th>
<th>( \geqslant ) 3</th>
<th>GEOL 4114, Structural Geology</th>
<th>Total Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>JUNIOR</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td></td>
<td>14</td>
</tr>
</tbody>
</table>

**TOTAL CREDIT HOURS**

<table>
<thead>
<tr>
<th>Year</th>
<th>ENGL 3123, Introductory Field Geology</th>
<th>GEOL 3223, Igneous and Metamorphic Petrology</th>
<th>( \geqslant ) 3</th>
<th>GEOL 4513, Evolutionary Paleobiology</th>
<th>Total Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>JUNIOR</td>
<td>3</td>
<td>3</td>
<td>( \geqslant ) 3</td>
<td>3</td>
<td>15</td>
</tr>
</tbody>
</table>

---

### Senior

<table>
<thead>
<tr>
<th>Year</th>
<th>GEOL 3135, Fundamentals of Invertebrate Paleontology</th>
<th>GEOL 3136, Field Geology (Capstone)</th>
<th>Total Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SENIOR</td>
<td>3</td>
<td>6</td>
<td>15</td>
</tr>
</tbody>
</table>

---

### TO TAL CREDIT HOURS

**SUMMER**

- **GEOL 4136, Field Geology (Capstone)—6 CREDIT HOURS**

---

### RE QUIRE MENTS FOR THE BACHELOR OF SCI ENCE IN GEOL OGY

---

### Notes:

- No more than 52 hours of Geology coursework may be taken to fulfill the 127 minimum total credit hours required. Students must complete 36 of the last 60 credit hours in residence.

---

### University-Wide General Education Requirements (minimum 40 hours)

Courses designated as Core I, II, III, IV, or Capstone are part of the General Education curriculum. Students must complete a minimum of 40 hours of General Education courses, chosen from the approved list, including at least one upper-division Gen. Ed. course outside of the student’s major. Courses graded S/U or P/NP will not apply.

---

### Core I

- **Symbolic and Oral Communication (9–19 hours, 3–5 courses):**
  - English Composition: 6 hours, 2 courses
  - Mathematics: 3 hours, 1 course
  - Foreign Language: 0–10 hours, 2 courses in the same language
  - Other courses such as communication, logic or public speaking

---

### Core II

- **Natural Science (7 hours, 2 courses):**
  - Courses must be taken from different disciplines in the biological and/or physical sciences

---

### Core III

- **Social Science (6 hours, 2 courses):**
  - One course must be PSC 1113, "American Federal Government"

---

### Core IV

- **Humanities (12 hours, 4 courses):**
  - Understanding Artistic Forms: 3 hours, 1 course
  - Western Civilization and Culture: 6 hours, 2 courses, including HIST 1483 or HIST 1493
  - Non-Western Cultures: 3 hours, 1 course