# B.S. Geological Science – General Geology Four-Year Sample Curriculum

**Updated 10/2017**

Requirements subject to change. See UI Catalog for complete degree requirements and additional information.

*Courses in gold are prerequisites. Courses in italics are co-requisites. UPDV denotes “upper division”*

<table>
<thead>
<tr>
<th>First Year – Fall Semester</th>
<th>First Year – Spring Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GEOL 111, 111L</strong> Physical Geology for Science Majors with lab</td>
<td>4</td>
</tr>
<tr>
<td><strong>MATH 143</strong> Pre-Calculus Algebra and Analytic Geometry <strong>MATH 108 with ‘C’ or better or sufficient test scores</strong></td>
<td>3</td>
</tr>
<tr>
<td><strong>MATH 144</strong> Analytic Trigonometry <strong>Sufficient test scores</strong></td>
<td>1</td>
</tr>
<tr>
<td><strong>ENGL 101</strong> Introduction to College Writing</td>
<td>3</td>
</tr>
<tr>
<td><strong>ISEM 101</strong> Integrated Seminar</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong> 14</td>
<td><strong>Total Credits</strong> 15</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Second Year – Fall Semester</th>
<th>Second Year – Spring Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GEOL 212</strong> Principles of Paleontology (Fall only) <strong>GEOL 102 recommended</strong></td>
<td>4</td>
</tr>
<tr>
<td><strong>PHYS 111, 111L</strong> General Physics I with lab <strong>MATH 143</strong></td>
<td>4</td>
</tr>
<tr>
<td>*<strong>MATH 175</strong> Analytic Geometry and Calculus II <strong>MATH 170 with ‘C’ or better</strong></td>
<td>4</td>
</tr>
<tr>
<td>Humanities/Social Science Course</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong> 15</td>
<td><strong>Total Credits</strong> 14</td>
</tr>
</tbody>
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<thead>
<tr>
<th>Second Year – Summer</th>
<th>Third Year – Fall Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GEOL 290</strong> Field Geology Methods <strong>GEOL 101/101L, GEOL 111/111L, or GEOL 102/102L</strong></td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong> 3</td>
<td><strong>GEOL 345</strong> Structural Geology (Spring only) <strong>MATH 143 with ‘C’ or better, one semester HS trigonometry or MATH 144, and GEOL 101/101L or GEOL 111/111L, and GEOG 100/100L or PHYS 111/111L or PHYS 211/211L</strong></td>
</tr>
<tr>
<td><strong>GEOL ELECTIVE</strong> Geology Elective <strong>Prerequisites vary by course</strong></td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong> 17</td>
<td><strong>Total Credits</strong> 13</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>Third Year – Summer</th>
<th>Fourth Year – Fall Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GEOL 490</strong> Field Geology II <strong>GEOL 290 and GEOL 345 and MATH 143 with ‘C’ or better</strong></td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong> 3</td>
<td><strong>GEOL 422</strong> Principles of Geophysics (Spring only) <strong>MATH 143 with ‘C’ or better</strong></td>
</tr>
<tr>
<td><strong>GEOL ELECTIVE</strong> Geology Elective <strong>Prerequisites vary by course</strong></td>
<td>3</td>
</tr>
<tr>
<td><strong>UPDV ELECTIVE</strong> Other elective(s) as needed</td>
<td>9</td>
</tr>
<tr>
<td><strong>Total Credits</strong> 15</td>
<td><strong>Total Credits</strong> 13</td>
</tr>
</tbody>
</table>

*Other option(s) available*