# GEOSCIENCES (GEOPHYSICS), B.S.

## Requirements for a Concentration in Geophysics

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Concentration Requirements</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thirteen semester hours from the following:</td>
<td>13</td>
</tr>
<tr>
<td>GEO 3319</td>
<td>Geophysics</td>
<td></td>
</tr>
<tr>
<td>GEO 4323</td>
<td>Geodynamics</td>
<td></td>
</tr>
<tr>
<td>GEO 4335</td>
<td>Volcanology</td>
<td></td>
</tr>
<tr>
<td>GEO 4455</td>
<td>Introduction to Seismology</td>
<td></td>
</tr>
<tr>
<td>GEO 4457</td>
<td>Geophysical Exploration I</td>
<td></td>
</tr>
<tr>
<td>GEO 4458</td>
<td>Geophysical Exploration II</td>
<td></td>
</tr>
<tr>
<td>GEO 4300</td>
<td>Senior Thesis</td>
<td></td>
</tr>
<tr>
<td>or GEO 4302</td>
<td>Mentored Research Experience</td>
<td></td>
</tr>
<tr>
<td>or GEO 4303</td>
<td>Internship</td>
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**Subtotal** 13

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td></td>
<td><strong>Required Courses in Other Fields</strong></td>
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</tr>
<tr>
<td>MTH 1321</td>
<td>Calculus I</td>
<td>3</td>
</tr>
<tr>
<td>MTH 1322</td>
<td>Calculus II</td>
<td>3</td>
</tr>
<tr>
<td>or STA 2381</td>
<td>Introductory Statistical Methods</td>
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<tr>
<td>PHY 1420</td>
<td>General Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHY 1430</td>
<td>General Physics II</td>
<td>4</td>
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Eight semester hours from:

<table>
<thead>
<tr>
<th>Code</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>BIO 1303</td>
<td>Human Ecology: Our Place in Nature</td>
<td></td>
</tr>
<tr>
<td>BIO 1305 &amp; BIO 1105</td>
<td>Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory</td>
<td></td>
</tr>
<tr>
<td>BIO 1306 &amp; BIO 1106</td>
<td>Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory</td>
<td></td>
</tr>
<tr>
<td>CHE 1301 &amp; CHE 1101</td>
<td>Basic Principles of Modern Chemistry I and General Chemistry Laboratory I</td>
<td></td>
</tr>
<tr>
<td>CHE 1302 &amp; CHE 1102</td>
<td>Basic Principles of Modern Chemistry II and General Chemistry Laboratory II</td>
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</table>

No more than four hours from:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ANT 1404</td>
<td>Introduction to Human Evolution</td>
<td></td>
</tr>
<tr>
<td>ANT 1407</td>
<td>Introduction to Archaeology</td>
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<tr>
<td>AVS 1313</td>
<td>Introduction to Meteorology</td>
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<tr>
<td>BUS 2222</td>
<td>Introduction to Energy Commerce</td>
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<tr>
<td>CSI 1430</td>
<td>Introduction to Computer Science I with Laboratory</td>
<td></td>
</tr>
<tr>
<td>ENV 1301 &amp; ENV 1101</td>
<td>Exploring Environmental Issues and An Introduction to Environmental Analysis (Lab)</td>
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</tr>
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</table>

**Total Hours** 35