# Degree Planning Guide

**Geology BS**

Important Note: This is a sample degree plan, faculty advisor will create plan specific to admittance year (even or odd) and program start year (first or second year). Degree planning also dependent on Math Placement. Math should be started Fall of First year based on math placement.

<table>
<thead>
<tr>
<th>First year (&lt;28 credits)</th>
<th>Sophomore (28-59 credits)</th>
<th>Junior (60-91 credits)</th>
<th>Senior (92+ credits)</th>
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<td><strong>Fall</strong></td>
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<tr>
<td>GEOL 111, GEOL 114, or GEOL 115, or GEOL 162</td>
<td>Program Elective Course</td>
<td>Program Elective Course</td>
<td>GEOL 340 (offered Fall Even Year)</td>
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<td>MATH 109 or MATH 113</td>
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<td>J-Term</td>
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<td>GEOL 260</td>
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<td><strong>Spring</strong></td>
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<tr>
<td>GEOL 211 (offered spring only)</td>
<td>Program Elective Course</td>
<td>GEOL 320 (offered Spring Even Year)</td>
<td>GEOL 360 (offered Spring Odd Year)</td>
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<tr>
<td>MATH 114</td>
<td>Allied Course</td>
<td>Allied Course</td>
<td>Program Elective Course</td>
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## Program Core Courses (24 credits)

- **GEOL 111** Intro to Physical Geology or **GEOL 114** the Science of Natural Disasters or **GEOL 115** Environmental Geology or **GEOL 162** The Earth’s Record of Climate
- **GEOL 211** Earth Materials or **GEOL 310** Environmental Geochemistry
- **GEOL 260** Geology in the Field
- **GEOL 320** Sedimentology and Stratigraphy
- **GEOL 340** Lithosphere I (Petrology)
- **GEOL 360** Lithosphere II (Structural Geology)

## Program Electives (16 credits; 4 cr must be 400-level, 4 cr @ 300 or 400 level):

- **GEOL 130** Earth History
- **GEOL 161** Medical Geology
- **GEOL 162** Earth’s Record of Climate*
- **GEOL 211** Earth Materials *^  
- **GEOL 220** Oceanography  
- **GEOL 252** Geomorphology ^  
- **GEOL 310** Environmental Geochemistry*^  
- **GEOL 410** Hydrogeology  
- **GEOL 460** Advanced Field Methods  
- **GEOL 461** Medical Geology (cannot take 161)  
- **GEOL 462** Earth’s Record of Climate (cannot take 162)  
- **GEOL 491** Research

*If not chosen for Program Core Course  
^Strongly Recommended for Professional Geologist (PG) state certification.

## Allied Courses (28 credits)

- **MATH 113** Calculus I or **MATH 109** Calculus with Review II  
- **MATH 114** Calculus II  
- **CHEM 111** General Chemistry I  
- **CHEM 112** General Chemistry II  
- **PHYS 211** Classical Physics I  
- **PHYS 212** Classical Physics II  
- **MATH 303** Statistics for Applied Sciences or **STAT 220** Statistics I