<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
<th>Spring</th>
<th>Fall</th>
<th>Winter</th>
<th>Prerequisites</th>
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<tbody>
<tr>
<td><strong>Required Geology Courses</strong></td>
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<tr>
<td>Geol 111/111L Physical Geology &amp; Lab</td>
<td>4</td>
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<td>Geol 112 Historical Geology</td>
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<td>Geol 335 Oceanography and Meteorology (even years)</td>
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<td>Geol 112 and FDMAT 108</td>
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<td>Geol 351 Earth Materials</td>
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<td>Geol 380 Regional Geology</td>
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<td>Geol 404 Environmental Geology</td>
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<td>Geol 111/111L; and FDMAT 110, Math 109, or FDMAT 112</td>
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<td>Geol 405 Earth Sci. Teaching Methods</td>
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<td>BIO 305 and ED 304</td>
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<td><strong>Other Required Courses</strong></td>
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<tr>
<td>PH 127 Astronomy 1</td>
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<td>PH 277 Astronomy 2</td>
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<td>PH 127</td>
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<td><strong>Bio 305 Science Teaching Principles (Take instead of ED 361)</strong></td>
<td>1</td>
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<td>X</td>
<td>All education 200 level courses, BIO 204, BIO 208, and BIO 221; and BIO 209 or BIO 210</td>
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<tr>
<td><strong>Chem 105 Introduction to Chemistry</strong></td>
<td>4</td>
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<td><strong>Eng 316 Advanced Writing and Tech Comm</strong></td>
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<td>FDENG 101 or COMM 111</td>
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<tr>
<td><strong>Math 109 Precalculus</strong></td>
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<tr>
<td>or FDMat 110 College Algebra</td>
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<td>MATH 101</td>
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<td><strong>Required Education Courses</strong></td>
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<td>Ed 200 History and Philosophy of Education</td>
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<td>Ed 304 Development, Cognition, and Understanding</td>
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<td>SpEd 360 Exceptional Students: Grades 6-12</td>
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<td>Ed 461 Reading in the Content Area</td>
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<td>Ed 492 Teaching Internship (Student Teaching)</td>
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<td><strong>Recomended Electives</strong></td>
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<td>Bio 250 Environmental Biology</td>
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<td>Ed 448 Assessment and Evaluation</td>
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<td>ED 200, ED 241, MATH 100A, MATH 100B, MATH 101, FDMAT 110</td>
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<td>Ed 242 Motivation and Management</td>
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<td>Geol 340 Intro to GIS for Geoscientists</td>
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<td>Geol 111/111L; and FDMAT 110, Math 109, or FDMAT 112</td>
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<td>Geol 411 Geomorphology</td>
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<td>Geol 111/111L; and FDMAT 110, Math 109, or FDMAT 112</td>
</tr>
</tbody>
</table>

Text in a box indicates that the course will be taught that semester; blank boxes indicate that the course will not be taught that semester.

*Earth Science Ed majors also must complete a minor (recommend Natural Science Education, Biology, Chemistry, or Physics)*