**Requirements for Geosciences Minor**  
*Updated for Fall 2017*

The Geosciences minor requires 20 units.

Any additional coursework required to reach 20 units should be Geosciences Electives selected in consultation with your academic advisor. The minor requires a minimum of 9 upper-division units.

The cumulative GPA for the minor must be 2.0 or higher. A minimum GPA presupposes that at least one 3-unit course in the minor is University Credit.

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<tr>
<th>GEOSCIENCES MINOR</th>
<th>COURSE</th>
<th>TITLE</th>
<th>UNITS</th>
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**Complete one course:**

| GEOS 251 | Physical Geology (Fall or Spring) | 4 |

**Choose minimum of two:**

| GEOS 255 | Historical Geology (Spring) (P: GEOS 251) | 4 |
| GEOS 280 | Programming and Data Analysis in the Earth Sciences | 3 |
| GEOS 300 | Earth Surface Processes (P: GEOS 251) | 3 |
| GEOS 302 | Stratigraphy and Sedimentation (P: GEOS 251, CHEM 151, PHYS 102 or 141) (Fall) | 4 |
| GEOS 304 | Structural Geology (P: GEOS 251, PHYS 102 or 141) (Spring) | 4 |
| GEOS 306 | Mineralogy (P: GEOS 251, CHEM 151) (Fall only) | 3 |
| GEOS 308 | Paleontology (P: GEOS 251) (Fall only) | 3 |
| GEOS 322 | Intro to Geophysics (P: GEOS 251, MATH 122B) (Spring only) | 3 |
| GEOS 342 | The History of Earth's Climate (P: GEOS 251) | 3 |
| GEOS 356 | Petrology (P: GEOS 306, MATH 122B, PHYS 102 or 141) (Spring only) | 4 |
| GEOS 412A | Ocean Science (Spring) (P: One year of science, or consent of instructor) | 3 |

**Geosciences Electives** to complete 20 (9 units overall, including above, must be upper-division):

*Students can use one class from GEOS 212, 216, 218, 220, 222.*