# Earth Science Minor

(All colleges)

24 credits

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO 101</td>
<td>Earth Environments</td>
<td>4</td>
</tr>
<tr>
<td>GEO 221</td>
<td>Weather and Climate</td>
<td>4</td>
</tr>
<tr>
<td>GEO 222</td>
<td>Earth Surface Processes and Landforms</td>
<td>4</td>
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</tbody>
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Select two of the following: 6

- GEO 340 Polar Environments
- GEO 422 Meteorology
- GEO 425 Biogeography
- GEO 427 Sustainable Water Resource Management
- GEO 428 Past Environmental Change
- GEO 430 River Systems
- GEO 460 Environmental Hazards

Complete six additional credits, three of which must be at the 300-level or above, from the list above or the following: 6

- GEO 211 Global Climate Change
- GEO 305 Geographic Information Systems and Science I
- GEO 321 Sustainable Development and Conservation
- GEO 405 Geographic Information System and Science II
- GEO 410 Geospatial Field Methods
- GEO 412 Geospatial Applications of Unmanned Aerial Systems
- GEO 415 Remote Sensing of the Environment I
- GEO 418 Map Design and Geovisualization
- GEO 445 Remote Sensing of the Environment II
- GEO 450 Internship in Geography and Earth Science ¹
- GEO 455 Web Mapping
- GEO 465 Scripting in GIS
- GEO 470 Special Topics in Geography/Earth Science
- GEO 485 Geographic Information System and Science III
- GEO 490 Independent Study ¹
- GEO 495 Seminar in Geography/Earth Science
- GEO 499 Undergraduate Research ¹

Total Credits 24

¹ Only three credits from a combination of GEO 450 or GEO 490 or GEO 499 will apply.

All geography majors who select the earth science minor must take 54 GEO unduplicated credits in the courses listed across their major and minor.

A maximum of six credits may be double counted between the General Education Program and the minor.