EARTH AND SUSTAINABILITY, MINOR

Requirements for a minor may be completed at any campus location offering the specified courses for the minor. Students may not change from a campus that offers their major to a campus that does not offer their major for the purpose of completing a minor.

Program Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Requirements for the Minor</td>
<td>18</td>
</tr>
</tbody>
</table>

Requirements for the Minor

A grade of C or better is required for all courses in the minor, as specified by Senate Policy 59-10 (https://senate.psu.edu/policies-and-rules-for-undergraduate-students/59-00-minors-and-certificates/#59-10). In addition, at least six credits of the minor must be unique from the prescribed courses required by a student's major(s).

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Prescribed Courses: Require a grade of C or better</td>
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<tr>
<td>EARTH 103N Earth in the Future: Predicting Climate Change and Its Impacts Over the Next Century</td>
<td>3</td>
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<tr>
<td>EARTH 402 Modeling the Earth System</td>
<td>3</td>
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</tbody>
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Additional Courses

Additional Courses: Require a grade of C or better

Select three of the following: 9

- EARTH 104N Climate, Energy and Our Future
- EARTH 111
- EARTH 107N Coastal Processes, Hazards and Society
- GEOG 3N Food and the Future Environment

Supporting Courses and Related Areas

Supporting Courses and Related Areas: Require a grade of C or better

Select 3 credits from the approved list of EMS courses. Approved courses are:

- EGEE 401 Energy in a Changing World
- EME 444 Global Energy Enterprise
- EME 460 Geo-resource Evaluation and Investment Analysis
- GEOG 412
- GEOG 430 Human Use of Environment
- GEOG 431 Geography of Water Resources
- GEOG 432 Energy Policy
- GEOG 438W Human Dimensions of Global Warming
- GEOG 469 Energy Industry Applications of GIS
- GEOSC 402Y Natural Disasters
- GEOSC 451 Natural Resources: Origins, Economics and Environmental Impact
- GEOSC 452 Hydrogeology
- METEO 469 From Meteorology to Mitigation: Understanding Global Warming