

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

Requirement	Credits
Requirements for the Minor	18

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/students/policies-and-rules-for-undergraduate-students/59-00-minors-and-certificates/>). In addition, at least six credits of the minor must be unique from the prescribed courses required by a student's major(s).

Code	Title	Credits
Prescribed Courses		
<i>Prescribed Courses: Require a grade of C or better</i>		
EARTH 103N	Earth in the Future: Predicting Climate Change and Its Impacts Over the Next Century	3
EARTH 402	Modeling the Earth System	3
Additional Courses		
<i>Additional Courses: Require a grade of C or better</i>		
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		
<i>Supporting Courses and Related Areas: Require a grade of C or better</i>		
Select 3 credits from the approved list of EMS courses. Approved courses are:		3
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 a Changing Climate	
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	