

# EARTH SCIENCE

Due to extensive course overlap, earth science majors may NOT select geology as a teaching minor.

## 45-Earth Science Teaching Major

Completion of the Earth Science Teaching Major involves completion of the following required courses and three or more advisor-approved elective courses to total 45 credits.

Code	Title	Hours
CHEM 111	General Chemistry I	3
CHEM 111L	General Chemistry I Laboratory	1
GEOG 301	Meteorology	3
GEOG 313	Global Climate Change	3
GEOL 102	Historical Geology	3
GEOL 102L	Historical Geology Lab	1
GEOL 309	Ground Water Hydrology	3
GEOL 324	Principles of Stratigraphy and Sedimentation	4
GEOL 335	Geomorphology	3
PHYS 103	General Astronomy	3
PHYS 104	Astronomy Lab	1
PHYS 111	General Physics I	3
PHYS 111L	General Physics I Lab	1
Select one of the following:		4
GEOL 101 & 101L	Physical Geology and Physical Geology Lab	
GEOL 111 & 111L	Physical Geology for Science Majors and Physical Geology for Science Majors Lab	
Select 9 credits of Advisor Approved Science electives:		9
GEOL 212	Dinosaurs and Prehistoric Life	
GEOL 249	Mineralogy and Optical Mineralogy	
GEOL 326	Igneous and Metamorphic Petrology	
GEOL 344	Earthquakes	
GEOL 345	Structural Geology	
GEOL 361	Geology and the Environment	
GEOL 410	Groundwater Field Methods	
GEOL 423	Principles of Geochemistry	
<b>Total Hours</b>		<b>45</b>

## 21-22-Credit Earth Science Teaching Minor

Code	Title	Hours
GEOG 301	Meteorology	3
GEOL 102	Historical Geology	3
GEOL 102L	Historical Geology Lab	1
GEOL 335	Geomorphology	3
PHYS 103	General Astronomy	3
PHYS 104	Astronomy Lab	1
Select one of the following:		4
GEOL 101 & 101L	Physical Geology and Physical Geology Lab	

GEOL 111 & 111L	Physical Geology for Science Majors and Physical Geology for Science Majors Lab	
Select one of the following:		3-4
GEOL 212	Dinosaurs and Prehistoric Life	
GEOL 249	Mineralogy and Optical Mineralogy	
GEOL 324	Principles of Stratigraphy and Sedimentation	
GEOL 326	Igneous and Metamorphic Petrology	
GEOL 344	Earthquakes	
GEOL 345	Structural Geology	
GEOL 361	Geology and the Environment	
GEOL 410	Groundwater Field Methods	
GEOL 422	Principles of Geophysics	
GEOL 423	Principles of Geochemistry	
<b>Total Hours</b>		<b>21-22</b>