

## Earth and Environmental Science Minors

### *Geology Minor*

Required:		Hours
EARTHSCI 1300 (870:031)	Introduction to Geology	(4)
EARTHSCI 1320 (870:035)	Earth History	(4)
EARTHSCI 3322	Earth Materials	(4)
EARTHSCI 3325/5325 (870:136g)	Sedimentary Geology	(4)
EARTHSCI 3328 (870:125)	Fossils and Evolution	(4)
EARTHSCI 3330/5330 (870:141g)	Geomorphology	(3)
Electives: 3-4 hours, Choose 1 of the following		
EARTHSCI 3340/5340 (870:165g)	Oceanography	(3)
EARTHSCI 3310/ (870:129g)	Structural Geology	(4)
EARTHSCI 3355/5355 (870:175g)	Hydrogeology	(3)
Total Hours:		26-27

### *Environmental Earth Science Minor*

Required:		Hours
BIOL 2051 (840:051)	General Biology: Organismal Diversity	(4)
EARTHSCI 1200 (870:021)	Elements of Weather	(3)
EARTHSCI 1300 (870:031)	Introduction to Geology	(4)
EARTHSCI 1400	Introduction to Environmental Science	(3)
EARTHSCI 3230/5230 (870:123g)	Air Quality	(4)
EARTHSCI 3345/5345 (870:171g)	Environmental Geology	(3)
EARTHSCI 3350/5350 (870:173g)	Environmental Hydrology	(3)
GEOG 3310 (970:164)	Geographic Information System I	(3)
Electives: 3 hours, Any one of the following:		
ECON 3225/5225 (920:123g)	Environmental Economics*	(3)
HPE 4665/5665 (830/410:165g)	Environmental Health Science	(3)
GEOG 2210 (970:028)	Recent Climate Change	(3)
GEOG 4370/5370 (870:173g)	Remote Sensing of the Environment	(3)
Total Hours		30
*ECON 3225/5225 (920:123g) has pre-requisites of ECON 1041 (920:053) and ECON 1051 (920:054).		

### *Earth Science Minor*

Any courses in Earth Science (EARTHSCI XXXX)	Total Hours	20
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## *Air Quality Minor*

Required:		Hours
EARTHSCI 1200 (870:021)	Elements of Weather	(3)
EARTHSCI 3210/5210 (870:121g)	Meteorology	(4)
EARTHSCI 3230/5230 (870:123g)	Air Quality	(4)
EARTHSCI 3240/5240 (870:124g)	Air Quality Modeling	(4)
EARTHSCI 3250/5250 (870:177g)	Measurement and Analysis of Air Quality	(4)
Electives: 8 hours from the following		
CHEM 1110 (860:044)	General Chemistry I	(4)
CHEM 1120 (860:048)	General Chemistry II	(4)
CHEM 2310 (860:132)	Chromatography and Quantitative Analysis	(4)
EARTHSCI 3220/5210	Weather Analysis and Forecasting	(3)
GEOG 2210 (970:028)	Recent Climate Change	(3)
GEOG 3310 (970:164)	Geographic Information Systems I	(3)
Total Hours: 27		

## *Astronomy Minor*

Required:		Hours
EARTHSCI 1100 (870:010)	Astronomy	(3-4)
EARTHSCI 3130 (870:152)	Stars	(2)
EARTHSCI 3140 (870:153)	Galaxies and Cosmology	(2)
EARTHSCI 4150/5150	Astrophysics	(3)
MATH 1420 (800:060)	Calculus I	(4)
MATH 1421 (800:061)	Calculus II	(4)
PHYSICS 1701 (880:130)	Physics I for Science and Engineering	(4)
PHYSICS 1702 (880:131)	Physics II for Science and Engineering	(4)
Total Hours: 26-27		

## *Earth Science Teaching Minor*

Required:		Hours
CHEM 1110 (860:044)	General Chemistry I	(4)
EARTHSCI 1100 (870:010)	Astronomy	(4)
EARTHSCI 1200 (870:021)	Elements of Weather	(3)
EARTHSCI 1210 (870:022)	Elements of Weather Laboratory	(1)
EARTHSCI 1300 (870:031)	Introduction to Geology	(4)
EARTHSCI 1320 (870:035)	Earth History	(4)
PHYSICS 1511 (880:054)	General Physics I	(4)
Total Hours:		24
Also required: at teaching major or minor in biology, chemistry, physics or science		