

# MINOR IN EARTH SCIENCE

*College of the Sciences and Mathematics*

## Curriculum

Students must complete a minimum of six credits of advanced standing coursework in their minor.\*

Code	Title	Credits
<b>Foundational Coursework</b>		
ESS 101	Introduction to Geology	3
ESS 201	Field Geology	3
ESS 204	Historical Geology	3
<b>Advanced Coursework</b>		
Complete 9 credits from the following:		9
ESS 301	Environmental Geochemistry	
ESS 302	Mineralogy	
ESS 307	Geology of the Solar System	
ESS 321	Geometrics	
ESS 323	Gen'l Geol Field Studies of SE Pennsylvania	
ESS 330	Introduction to Oceanography	
ESS 331	Introduction to Paleontology	
ESS 332	Advanced Oceanography	
ESS 336	Environmental Geology	
ESS 343	Geomorphology	
ESS 344	Geomorphology II	
ESS 348	International Geology Field Studies	
ESS 370	Introduction to Meteorology	
ESS 371	Advanced Meteorology	
ESS 394	Geology of Northwestern National Parks	
ESS 405	Igneous and Metamorphic Petrology	
ESS 420	Structural Geology	
ESS 435	Remote Sensing	
ESS 439	Hydrogeology	
ESS 442	Geophysics	
ESS 450	Sedimentation & Stratigraphy	
ESS 460	Internship	
ESS 480	Special Problems	
ESS 490	Fundamentals of Soils	
ESS 491	Independent Studies	
ESS 499	The Professional Geoscientist	
<b>Total Minimum Credits Required</b>		<b>18</b>

\*Advanced standing coursework is defined as any 300-level course or above and specific 200-level courses identified by the department.