

Earth & Environmental Sciences

Courses and Activities Mapped to BA/BS in Earth & Environmental Sciences Outcome Set

Interdisciplinary (core) Understand that environmental issues are fundamentally interdisciplinary	Physical and Cultural Interconnectedness (core) Understand the interconnectedness of ecological systems to the physical and cultural world	Data Analysis (core) Understand how to collect, analyze, interpret, qualitative and quantitative data collected in the field and laboratory	Communication (core) Effectively synthesize and communicate research findings both orally and in writing	Concepts Comprehension of earth and environmental science principles, facts, and concepts	Geological Processes (geosciences concentration) Understand how to identify, describe, and classify earth materials, formation, and structures, and interpret them in the context of geologic processes	Atmospheric and Surface Processes (A&SP concentration) Gain knowledge of the intricacies of the hydrologic cycle and its influence on the land and atmosphere	Synthesize geologic history (geosciences concentration) Synthesize the geologic history of Earth as evidenced by the rock record	Spatio-temporal analysis (A&SP concentration) Employ spatio-temporal analysis to interpret earth-atmosphere interactions
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Courses and Learning Activities

ENVI 110 Introduction to Environmental Sciences	I	I	I	I	I	I	I		
ENVI 110L Introduction to Environmental Sciences Lab	I	I	I	I	I	I	I		
ENVI 130 World Cultures and Environments	I	I			I				

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ENVI 170 Earth Sciences			P		P	P		I	
ENVI 170L Earth Science Laboratory					I				
ENVI 211 Physical Geography				P	R		I		
ENVI 270 Earth History								I	
ENVI 350 Geomorphic Process			P	R					
ENVI 353 Weather and Climate			P	R			R		
ENVI 380 Mineralogy						R			

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ENVI 382 Petrology						R			
ENVI 385 Structural Geology			R	R		R			
ENVI 389 Introduction to Field Geology			I						
ENVI 401 Geographic Information Systems: Applications									R
ENVI 405 Fundamentals of Remote Sensing									R
ENVI 415 Advanced Quantitative Geography									R
ENVI 457 Environmental Geology			R	R					

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ENVI 460 Natural Resources and Sustainability	P	R	P	P	R				
ENVI 475 Stratigraphy and Sedimentation						R		R	
ENVI 490 Field Geography of the United States									R
ENVI 499 Senior Seminar and Research			R						

Legend: **I** Introduced **P** Practiced **R** Reinforced

Last Modified: 12/07/2011 02:02:49 PM CST