

Student Learning Outcomes Library

Office of Assessment & Accreditation

Indiana State University

BA/BS Earth & Environmental Sciences

Spring 2020

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Outcome	Related Foundational Studies or Graduate Goal
Interdisciplinary: Understand that environmental issues are fundamentally interdisciplinary.	
Interconnectedness: Demonstrate an understanding of the interconnectedness of ecological systems to the physical and cultural world.	
Data Analysis: Demonstrate an understanding of how to collect, analyze, and interpret qualitative and quantitative data collected in the field and laboratory.	Foundational Studies IIIa: Quantitative Literacy
Communication: Demonstrate the ability to effectively synthesize and communicate research findings both orally and in writing	Foundational Studies 10: Express themselves effectively, professionally, and persuasively both orally and in writing.
Concepts: Demonstrate comprehension of earth and environmental science principles, facts, and concepts.	

Geological Processes: Demonstrate an understanding of how to identify, describe, and classify earth materials, formation, and structures, and interpret them in the context of geologic processes.	
Atmospheric and Surface Processes: Demonstrate knowledge of the intricacies of the hydrologic cycle and its influence on the land and atmosphere.	
Synthesize Geologic History: Demonstrate ability to synthesize the geologic history of Earth as evidenced by the rock record.	
Spatio-Temporal Analysis: Demonstrate ability to employ spatio-temporal analysis to interpret earth-atmosphere interactions.	