

Standing Requirements

Outcomes Library

BA/BS in Earth & Environmental Sciences Outcome Set

Interdisciplinary (core)

Understand that environmental issues are fundamentally interdisciplinary

Outcome	Mapping
Interdisciplinary	No Mapping
Demonstrate an understanding that environmental issues are fundamentally interdisciplinary	

Physical and Cultural Interconnectedness (core)

Understand the interconnectedness of ecological systems to the physical and cultural world

Outcome	Mapping
Interconnectedness	No Mapping
Demonstrate an understanding of 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

Outcome	Mapping
Data Analysis	Foundational Studies: IIIa. Quantitative Literacy
Demonstrate an understanding of 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

Outcome	Mapping
Communication	Foundational Studies: 10. Express themselves effectively, professionally, and persuasively both orally and in writing.
Demonstrate the ability to effectively synthesize and communicate research findings both orally and in writing	

Concepts

Comprehension of earth and environmental science principles, facts, and concepts

Outcome	Mapping
concepts	No Mapping
Demonstrate 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

Outcome	Mapping

geological processes

No Mapping

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 (A&SP concentration)

Gain knowledge of the intricacies of the hydrologic cycle and its influence on the land and atmosphere

Outcome

Mapping

Atmospheric and Surface Processes

No Mapping

Demonstrate 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

Outcome

Mapping

Synthesize geologic history

No Mapping

Demonstrate ability to 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

Outcome

Mapping

spatio-temporal analysis

No Mapping

Demonstrate ability to employ spatio-temporal analysis to interpret earth-atmosphere interactions

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