

# GEOSCIENCE, CERTIFICATE

## LEARNING OUTCOMES

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1. Explain how various Earth systems operate and describe the basis for that understanding. Earth systems include plate tectonics, climate, the hydrological cycle, geochemical cycling, and others.
2. Apply field/lab-based methods, spatial reasoning skills, temporal reasoning skills, and/or quantitative approaches to solve problems in geoscience.
3. Analyze geological, biological, chemical, and/or physical information to understand processes and the rates of those processes, in order to explain how the Earth operates.