

GEOLOGY AND GEOPHYSICS, BS

LEARNING OUTCOMES

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1. Acquire a working knowledge of Earth history and the evidence used to constrain that history.
2. Explain how various Earth systems operate and describe the basis for that understanding. Earth systems include the lithosphere, hydrosphere, cryosphere, biosphere, and atmosphere.
3. Apply field/lab-based methods, spatial reasoning skills, temporal reasoning skills, and/or quantitative approaches to solve problems in geoscience.
4. Analyze geological, biological, chemical, and/or physical information to understand Earth processes and the rates of those processes.
5. Read the scientific literature and understand the employed methods, results, and emergent interpretations.
6. Communicate scientific data, concepts, and models effectively.