Program Student Learning Outcomes

College: Earth & Energy
Program: Geological Engineering, BS

Graduates of the BS in Geological Engineering program should be able to:

- Demonstrate an understanding of fundamental geological concepts and terms.
- Demonstrate how basic principles of chemistry, physics, and biology relate to geology, geochemistry, and geophysics.
- Identify and classify geologic materials and structures correctly.
- Observe, measure, collect and interpret data from field study, databases, experiments, and other sources of information. Create geologic maps and cross sections using field measurements.
- Demonstrate an understanding of and be able to apply the scientific method, and critically solve geological problems. Critically read and critique research articles.
- Develop the skills to engage in independent learning and also be able to work effectively in teams.
- Communicate effectively in presentations and in written form.
- Demonstrate an understanding of the impact of geology as related to global and societal issues.