The Civil Engineering department regularly evaluates the following student skills. Specifically, every University of Wyoming Civil Engineering graduate shall have:

1. **An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics**
2. **An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental and economic factors**
3. **An ability to communicate effectively with a range of audiences**
4. **An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgements, which must consider the impact of engineering solutions in global, economic, environmental and societal contexts**
5. **An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives**
6. **An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgement to draw conclusions**
7. **An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.**

In addition our professional practices courses as part of the VISTA program emphasize one or more of the following outcomes.

- Explain key concepts and problem-solving processes used in management.
- Explain key concepts and problem-solving processes used in business, public policy, and public administration.
- Explain the role of the leader, leadership principles, and attitudes conducive to effective professional practice of Civil Engineers.