

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.