

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

a)	An ability to apply knowledge of mathematics, science, and engineering
b)	An ability to design and conduct experiments, as well as to analyze and interpret data
c)	An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability
d)	An ability to function on multidisciplinary teams
e)	An ability to identify, formulate, and solve engineering problems
f)	An understanding of professional and ethical responsibility
g)	An ability to communicate effectively
h)	The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context
i)	A recognition of the need for, and an ability to engage in life-long learning
j)	A knowledge of contemporary issues
k)	An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

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.