Graduates of the Civil Engineering program will have the technical and managerial skills necessary to enter careers in planning, design, construction, operation or maintenance of the Built Environment and Global Infrastructure.

A1. Graduates will gain awareness of Professional community involvement, leadership, continuing education, and ethical responsibilities.

A2. Graduates will be prepared to analyze and design systems in support of Civil Engineering projects.

B1. Partners with external entities to enhance and expand learning experiences.

B2. An ability to select and apply the knowledge, techniques, skills, and modern tools of the discipline to broadly-defined engineering technology activities.

C1. An ability to conduct standard tests and measurements; to conduct, analyze, and interpret experiments; and to apply experimental results to improve processes.

C2. An ability to select appropriate engineering materials and practices.

D1. An ability to apply computational methods and engineering technology problems; to select and apply appropriate mathematical procedures.

D2. Perform standard analysis and design in at least three sub-disciplines related to civil engineering.

E1. An ability to design systems, components, or processes for broadly-defined engineering technology problems appropriate to program educational objectives.

E2. An ability to function effectively as a member or leader on a technical team.

F1. Provide liberal arts, professional and technical programs that serve a diverse student population.

F2. Promote student centered and culturally enriched environment which fosters student success.

G1. An ability to apply written, oral, and graphical communication in both technical and non-technical environments; and an ability to identify and use appropriate technical literature.

G2. An understanding of and a commitment to address professional and ethical responsibilities including a respect for diversity.

H1. An understanding of the need for and an ability to engage in self-directed continuing professional development.

H2. A knowledge of the impact of engineering technology solutions in a societal and global context; and

I1. A commitment to quality, timeliness, and continuous improvement.