

STUDENT OUTCOMES

The Course Learning Outcomes support the achievement of the following CET Program Outcomes and TAC of ABET Criterion 9 requirements:

Student Outcome 1 - An ability to select and apply the knowledge, techniques, skills and modern tools of the discipline to broadly defined engineering technology activities.

Student Outcome 2 - An ability to select and apply a knowledge of mathematics, science, engineering and technology to engineering technology problems that require the application of principles of applied procedures or methodologies.

Student Outcome 3 - An ability to conduct standard tests and measurements; to conduct, analyze and interpret experiments; and apply experimental results to improve processes.

Student Outcome 4 - An ability to design systems, components or processes for broadly-defined engineering technology problems appropriate to program educational objectives;

Student Outcome 5 - An ability to function effectively as a member of leader of a technical team;

Student Outcome 6 - An ability to identify, analyze and solve broadly-defined engineering technology problems;

Student Outcome 7 - 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;

Student Outcome 8 - An understanding of the need for and ability to engage in self-directed continuing professional development;

Student Outcome 9 - An understanding of and a commitment to address professional and ethical responsibilities including a respect for diversity;

Student Outcome 10 - A knowledge of the impact of engineering technology solutions in a societal and global context;

Student Outcome 11 - A commitment to quality, timeliness and continuous improvement

Student Outcome 12 - Producing and utilizing design, construction and operations documents

Student Outcome 13 - Performing economic analyses and cost estimated related to design, construction and maintenance of systems in the construction technical specialties

Student Outcome 14 - Selecting appropriate construction materials and practices

Student Outcome 15 - Applying principles of construction law and ethics

Student Outcome 16 - Applying basic technical concepts to the solution of construction problems involving hydraulics and hydrology.

