

A.T. in Engineering Technology
Construction Engineering Technology Option (ETA-CT)

Graduates of the Construction Engineering Technology program will demonstrate:

A. Technical Skills and Knowledge.

1. Ability to interpret project plans and specifications.
2. Ability to perform project lay-out utilizing current surveying techniques and practices.
3. Ability to perform manual quantitative analysis and cost estimation of a project.
4. Ability to analyze and compute forces on simple structural members.
5. Ability to perform material testing.

B. Creative Design and Application.

1. Application of pc based software to estimate, schedule and manage projects.
2. Application of codes and regulations as they pertain to a specific project.
3. Evaluation and proper usage of materials in construction.
4. Evaluation of and proper implementation of construction procedures.

C. Communication.

1. Ability to write clear and effective technical reports, proposals, and business correspondence.
2. Ability to orally communicate technical information to a variety of audiences.

D. Professional Behavior in a Diverse World.

1. Understanding and respect for diversity in the workplace.
2. Awareness of the impact of technology on our society.

E. Continuous Learning and Improvement.

1. Ability to be life-long learners.
2. Commitment to quality and continuous improvement

F. Professional Development.

1. Ability to function effectively in a group environment and provide project direction.
2. Ability to practice professional ethics and social responsibility.