

# Civil Engineering Technology

## Student Outcomes

The program must have documented student outcomes that prepare graduates to attain the program educational objectives. There must be a documented and effective process for the periodic review and revision of these student outcomes.

For associate degree programs, these student outcomes must include, but are not limited to, the following learned capabilities:

- a. an ability to apply the knowledge, techniques, skills, and modern tools of the discipline to narrowly defined engineering technology activities;
- b. an ability to apply a knowledge of mathematics, science, engineering, and technology to engineering technology problems that require limited application of principles but extensive practical knowledge;
- c. an ability to conduct standard tests and measurements, and to conduct, analyze, and interpret experiments;
- d. an ability to function effectively as a member of a technical team;
- e. an ability to identify, analyze, and solve narrowly defined engineering technology problems;
- f. 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;
- g. an understanding of the need for and an ability to engage in self-directed continuing professional development;
- h. an understanding of and a commitment to address professional and ethical responsibilities, including a respect for diversity; and
- i. a commitment to quality, timeliness, and continuous improvement.

## Program Educational Objectives

The program has formalized educational objectives that our student's should possess within several years of graduation. These educational objectives form the strategy for guiding the program to deliver a quality educational product and are as follows:

- Graduates of the Cincinnati State Civil Engineering Technology program will have transferred and completed their education at the Bachelor degree level in a related field of study and will have obtained a professional/management track position in a civil engineering, architectural, construction, or survey related company.
- Graduates of the Cincinnati State Civil Engineering Technology program will have obtained a position in a civil engineering, architectural, construction, or survey related company that has progressed in responsibilities at the technician/management level since obtaining the position.