Program Educational Objectives:

The Civil Engineering Technology program will seek ETAC of ABET accreditation. For this purpose the following Program Educational Objectives listed in the ETAC of ABET’s 2014-2015 Criteria for Accrediting Engineering Technology Programs will guide the new Civil Engineering Technology program. (These Program Educational Objectives can be found at ETAC of ABET website under General Criterion 2: Program Educational Objectives at http://abet.org/etac-criteria-2014-2015).

Graduates of associate degree programs will, to the extent required to support Program Educational Objectives:

a. utilize principles, hardware, and software that are appropriate to produce drawings, reports, quantity estimates, and other documents related to civil engineering;

b. conduct standardized field and laboratory tests related to civil engineering;

c. utilize surveying methods appropriate for land measurement and/or construction layout;

d. apply fundamental computational methods and elementary analytical techniques in sub-disciplines related to civil engineering.

Student Outcomes:

The Civil Engineering Technology program plans to attain ETAC of ABET accreditation. For this purpose the following Student Outcomes listed in the ETAC of ABET’s 2014-2015 Criteria for Accrediting Engineering Technology Programs will guide the new Civil Engineering Technology program. (These Student Outcomes can be found at ETAC of ABET website under General Criterion 3: Student Outcomes at http://abet.org/etac-criteria-2014-2015).

A. 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.