NHTI, Concord’s Community College

Architectural Engineering Technology

Student Outcomes

Reviewed and reaffirmed by the Architectural Engineering Technology (ARET) Department and Program Advisory Board in 2013, 2017, and 2018 - (Source: www.abet.org)

Note: The ARET program’s Student Outcomes directly reflect the ETAC of ABET’s General Criterion 3 Student Outcomes a-i for Engineering Technology programs and Program Criteria for Architectural Engineering Technology and Similarly Named Programs a-d.

According to ETAC of ABET’s General Criterion 3 Student Outcomes (SOs) are 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 nontechnical 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;

According to ETAC of ABET Program Criteria for Architectural Engineering Technology and Similarly Named Programs Outcomes;

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

a. - employ concepts of architectural theory and design in a design environment;
b. - utilize instruments, methods, software, and techniques that are appropriate to produce A/E documents and presentations;
c. - utilize measuring methods that are appropriate for field, office, or laboratory;
d. - apply fundamental computational methods and elementary analytical techniques in sub disciplines related to architectural engineering;