NHTI, Concord’s Community College
Architectural Engineering Technology

Student Outcomes
(Revised Spring 2012)
(Approved by AET Department 10/2011)
(Source: ABET.org)

Note: AET program’s current Student Outcomes (SOs) were adopted in spring 2011 and reviewed and reaffirmed by the program advisory board in spring 2012. The AET program has adopted ETAC of ABET’s specified SOs listed in its Criteria for Architectural Engineering Technology program. The following is a list of these SOs.

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;