LAKELAND COMMUNITY COLLEGE
TAC-ABET ACCREDITED ELECTRONIC ENGINEERING TECHNOLOGY
PROGRAM EDUCATIONAL OBJECTIVES AND STUDENT OUTCOMES

PROGRAM EDUCATIONAL OBJECTIVES

Program Educational Objectives (PEO) are broad statements that describe what graduates are expected to attain within a few years of graduation. Program Educational Objectives are based upon the needs of the various program constituencies. The published and adopted PEO is listed below:

The Department of Electronic Engineering Technology's mission is to provide a quality learning opportunity within Electronic Engineering Technology department and to prepare students to further their education at a 4-yr institution and/or employment-in the field of Engineering Technology. Graduates will be able to: (1) solve technical problems typical of those encountered in the electronic engineering technology discipline by using critical thinking skills, current technology, and principles of mathematics and applied science; (2) work and communicate effectively in multidisciplinary teams in both industrial and academic settings; and (3) understand current professional issues and the need to pursue lifelong learning.

STUDENT OUTCOMES

Student Outcomes (SO) describe what students are expected to know, and to be able to do, by the time of graduation. These relate to the knowledge, skills, and behaviors that students acquire as they progress through the Engineering Technology (ET) programs. The Engineering Technology departments have adopted the following TAC-ABET SO:

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.