Bloomsburg University of Pennsylvania
Electronics Engineering Technology Program

Program Educational Objectives

The Electronics Engineering Technology program educational objectives (PEOs) are to produce graduates that are prepared for:

1. Career fields associated with the research, integration, programming, and application of technology to design, analyze, develop, manufacture, modify, operate, and maintain contemporary electrical and electronic products and systems.
2. Career advancement and continuing professional development.
3. Understanding the importance of communication in a technical environment, and the overall societal context within which their contributions take place.

Program Student Outcomes

The Electronics Engineering Technology program student outcomes are listed below.

a. Ability to select and apply the knowledge, techniques, skills, and modern tools of the discipline to broadly-defined engineering technology activities
b. Ability to select and apply a knowledge of mathematics, science, engineering, and technology to engineering technology problems that require the application of principles and applied procedures or methodologies
c. Ability to conduct standard tests and measurements; to conduct, analyze, and interpret experiments; and to apply experimental results to improve processes
d. Ability to design systems, components, or processes for broadly-defined engineering technology problems appropriate to program educational objectives
e. Ability to function effectively as a member or leader on a technical team
f. Ability to identify, analyze, and solve broadly-defined engineering technology problems
g. Ability to apply written, oral, and graphical communication in both technical and nontechnical environments; and an ability to identify and use appropriate technical literature
h. Understanding of the need for and an ability to engage in self-directed continuing professional development
i. Understanding of and a commitment to address professional and ethical responsibilities including a respect for diversity
j. Knowledge of the impact of engineering technology solutions in a societal and global context
k. Commitment to quality, timeliness, and continuous improvement

Mapping among *ABET-ETAC Criteron-3 Student Outcomes* and *Program Student Outcomes*

Criteron-3 Student Outcome		Program Student Outcome(s)	Comments
1	An ability to apply knowledge, techniques, skills and modern tools of mathematics, science, engineering, and technology to solve broadly-defined engineering problems appropriate to the discipline	**a, b, f**	Criterion-3 Student Outcome 1 is attained if Program Student Outcomes a, b, and f are attained
2	An ability to design systems, components, or processes meeting specified needs for broadly-defined engineering problems appropriate to the discipline	**d**	Criterion-3 Student Outcome 2 is attained if Program Student Outcome d is attained
3	An ability to apply written, oral, and graphical communication in broadly-defined technical and non-technical environments; and an ability to identify and use appropriate technical literature	**g**	Criterion-3 Student Outcome 3 is attained if Program Student Outcome g is attained
4	An ability to conduct standard tests, measurements, and experiments and to analyze and interpret the results to improve processes	**c**	Criterion-3 Student Outcome 4 is attained if Program Student Outcome c is attained
5	An ability to function effectively as a member as well as a leader on technical teams	**e**	Criterion-3 Student Outcome 5 is attained if Program Student Outcome e is attained