

B.S. Program in Electronics Engineering Technology

Relationship among Program Student Outcomes, ABET-ETAC Criterion-3 Student Outcomes, and Program Educational Objectives

Program Student Outcome		ABET-ETAC Criterion-3 Student Outcome	Program Educational Objectives		
			PEO-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	PEO-2: Career advancement and continuing professional development	PEO-3: Understanding the importance of communication in a technical environment, and the overall societal context within which their contributions take place
a	Ability to select and apply the knowledge, techniques, skills, and modern tools of the discipline to broadly-defined engineering technology activities	1	X		
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	1	X		
c	Ability to conduct standard tests and measurements; to conduct, analyze, and interpret experiments; and to apply experimental results to improve processes	4	X		
d	Ability to design systems, components, or processes for broadly-defined engineering technology problems appropriate to program educational objectives	2	X		
e	Ability to function effectively as a member or leader on a technical team	5	X	X	X
f	Ability to identify, analyze, and solve broadly-defined engineering technology problems	1	X	X	
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	3	X	X	X
h	Understanding of the need for and an ability to engage in self-directed continuing professional development			X	
i	Understanding of and a commitment to address professional and ethical responsibilities including a respect for diversity				X
j	Knowledge of the impact of engineering technology solutions in a societal and global context				X
k	Commitment to quality, timeliness, and continuous improvement			X	X