Program:	Electronic Systems Engineering Technology (ESET)
Degree:	BS
Department:	Engineering Technology and Industrial Distribution
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Outcome	Master the depth of knowledge required for a degree
Marketable	 (1) apply knowledge, techniques, skills and modern tools of mathematics,
Skills	science, engineering, and technology to solve well-defined engineering
	problems appropriate to the discipline
	• (4) conduct standard tests, measurements, and experiments and to analyze and
	interpret the results

Outcome	Demonstrate critical thinking
Marketable Skills	 (2) design solutions for well-defined technical problems and assist with engineering design of systems, components, or processes appropriate to the discipline *Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems *Identifying complex problems and reviewing related information to develop and evaluate options and implement solutions. *Considering the relative costs and benefits of potential actions to choose the most appropriate one

Outcome	Communicate effectively
Marketable	• (3) apply written, oral, and graphical communication in well-defined technical
Skills	and non-technical environments; and an ability to identify and use appropriate technical literature
	 (o) application of project management to electronic systems
	 *The ability to listen to and understand information and ideas presented
	through spoken words and sentences
	 *The ability to communicate information and ideas in writing so others will understand
	 *The ability to communicate information and ideas in speaking so others will understand
	 *Providing information to supervisors, co-workers, and subordinates by
	telephone, in written form, e-mail, or in person.

Outcome	Practice personal and social responsibility
Marketable	 (5) function effectively as a member of a technical team
Skills	 (k) engage in continuous improvement, quality, and timeliness
	 (i) ability to understand professional, ethical, social responsibilities including
	respect for diversity

•	*being sensitive to others' needs and feelings and being understanding and
	helpful on the job

Outcome	Demonstrate social, cultural, and global competence
Marketable	 (j) knowledge of societal and global impacts of engineering solutions
Skills	

Outcome	Prepare to engage in lifelong learning
Marketable	 (h) understanding of the need for and an ability to engage in self-directed
Skills	continuing professional development.

Outcome	Work collaboratively
Marketable	 (5) function effectively as a member of a technical team
Skills	 *Giving full attention to what other people are saying, taking time to
	understand the points being made, asking questions as appropriate, and not
	interrupting at inappropriate times
	 *Adjusting actions in relation to others' actions

Notes:

- Marketable skills listed with an asterisk (*) for this example program were drawn from the Knowledge, Skills, and Abilities identified by the US Department of Labor and Statistics for "electrical engineers" as published on O*Net Online (onetonline.org)
- Marketable skills listed with a letters (a)-(p) or (1) (5) for Electronics Engineering Technology were drawn from ABET Criterion 3.