Electronic Engineering Technology:  

Student Outcomes

The student outcomes for the EET program have been divided into four broad groups: 1) broad-based technical expertise, 2) teamwork and communication, 3) professionalism and personal development, and 4) technology skills specific to Electronic Engineering Technology. Within these groups the individual outcomes are based the ABET Criterion 3 learning outcomes.

Broad Based Student Outcomes:

Students who graduate with an Associate of Applied Science (AAS) or a Bachelor of Science (BS) degree in Electronics Engineering Technology with from the University of Akron will demonstrate technical expertise, teamwork and communication skills and professionalism. The EET specific outcomes are listed after the general outcomes:

**General Student Learning Outcomes**

A graduating student will have:

1) an ability to apply current knowledge and adapt to emerging applications of mathematics, science, engineering, and technology,
2) an appropriate mastery of the knowledge techniques, skills, and modern tools of their disciplines,
3) an ability to conduct, analyze and interpret experiments and apply experimental results to improve processes,
4) an ability to apply creativity in the design of systems, components or processes appropriate to program objectives,
5) an ability to identify, analyze and solve technical problems,
6) an ability to function effectively on teams,
7) an ability to communicate effectively,
8) a commitment to quality, timeliness, and continuous improvement.
9) an ability to understand professional, ethical, and social responsibilities,
10) a respect for diversity and a knowledge of contemporary professional, societal and global issues, and
11) a recognition of the need for, and an ability to engage in, lifelong learning.

**AAS Level Specific Outcomes:**

A graduating student will be able to demonstrate:

12) the application of circuit analysis and design, computer programming, associated software, analog and digital electronics, and microcomputers to the building, testing operation, and maintenance of electrical/electronic systems.
13) the applications of physics or chemistry to electrical/electronic(s) circuits in a rigorous mathematical environment at or above the level of algebra and trigonometry.
BS Level Specific Outcomes:
A graduating Bachelor’s degree student (in addition to 12 and 13) will demonstrate:

14) the ability to analyze, design, and implement control systems, instrumentation systems, communications systems, computer systems, or power systems.
15) the ability to apply project management techniques to electrical/electronic(s) systems.
16) the ability to utilize statistics/probability, transform methods, discrete mathematics, or applied differential equations in support of electrical/electronic(s) systems.

This program is accredited by the Engineering Technology Accreditation Commission of ABET, http://www.abet.org/. Graduates of the Electronic Engineering Technology program will work with
engineers in developing, manufacturing, testing and servicing electrical/electronic components, equipment and systems. There is a constant demand by industry and business for electronic engineering technology graduates. In today's highly wired world, no technical career field is as diverse or as challenging as electronics.

Updated: June 2015