

Zane State College EEET Program Outcomes:

Graduates of the Electrical/Electronics Engineering Technology program at Zane State College will demonstrate:

- (1) an ability to apply knowledge, techniques, skills and modern tools of mathematics, science, engineering, and technology to solve well-defined engineering problems appropriate to the discipline;
- (2) an ability to design solutions for well-defined technical problems and assist with the engineering design of systems, components, or processes appropriate to the discipline;
- (3) an ability to apply written, oral, and graphical communication in well-defined technical and non-technical environments; and an ability to identify and use appropriate technical literature
- (4) an ability to conduct standard tests, measurements, and experiments and to analyze and interpret the results; and
- (5) an ability to function effectively as a member of a technical team.

Zane State College EEET graduates will also demonstrate knowledge and hands-on competence in:

- (a) the application of circuit analysis and design, computer programming, associated software, analog and digital electronics, and microcomputers, and engineering standards to the building, testing, operation, and maintenance of electrical/electronic(s) systems; and
- (b) the application of natural sciences and mathematics at or above the level of algebra and trigonometry to the building, testing, operation, and maintenance of electrical/electronic systems.