

Electronics Engineering Technology

Program Educational Objectives

1. A graduate should have the ability to work with his/her coworkers, customers, clients, be able to communicate with written reports, give oral presentations and manage his/her time effectively.
2. A graduate should possess knowledge of DC and AC circuits, logic circuits, communication circuits, and industrial controls in order to test, maintain, analyze and troubleshoot electronic circuits and systems effectively.
3. A graduate should possess the ability to apply current knowledge of mathematics, science and technology to solve and interpret experiments and apply results to improve the process.
4. A graduate should have basic worker traits such as being a self-starter, being creative, and should understand professional, ethical, and social responsibilities.
5. A graduate should be committed to continue developing knowledge and skills after graduation by obtaining certifications and staying current with technology.

Student Outcomes

- (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