

## Associate of Science in Electrical Engineering Technology

### Program Educational Objectives

**ABET Definition:** *Program educational objectives are broad statements that describe the career and professional accomplishments that the program is preparing graduates to achieve.*

Graduates of the Associate of Science in Electrical Engineering Technology program are prepared for a broad range of technical careers by achieving the following objectives:

1. Graduates will be able to acquire and maintain successful employment using their skills in applied electrical engineering.
2. Graduates will be in demand for their sound technical knowledge, their analytical and problem-solving skills, their adaptability to a variety of assignments, and their hands-on capabilities.
3. Graduates will be capable of conveying technical information through their proficiency in written and spoken communication.
4. Graduates will understand professional and ethical responsibility to their field and to society.
5. Graduates will have a broad education with awareness of contemporary social and economic issues, and the relationship of those issues to their professional practice.
6. Graduates will have an appreciation for cultural and ethnic diversity in the workplace.
7. Graduates will understand the need to maintain their technical skills and develop new ones through personal development and lifelong learning.

### Statement of Student Outcomes

The Associate of Science in Electrical Engineering Technology program has seven clearly defined outcomes: *(Each outcome is followed by an abbreviated form of the outcome for convenience in tables)*

**Outcome One.** The graduate will be able to apply principles of mathematics and science to perform technical calculations and solve problems of the types commonly encountered in electrical engineering technology careers.

**Outcome Two.** The graduate will demonstrate the ability to identify, formulate, and present creative solutions to technical problems in a variety of the specialty areas comprising electrical engineering technology.

**Outcome Three.** The graduate will be able to function competently in a laboratory or field setting by taking measurements, operating technical equipment, critically examining experimental results, and documenting them in a manner suitable for use in process improvement.

**Outcome Four.** The graduate will be able to use modern computational tools for problem solving, including scientific calculators, computers, and appropriate

software.

**Outcome Five.** The graduate will demonstrate the ability to communicate and function effectively with members of multi-disciplinary project teams in an academic or industrial setting.

**Outcome Six.** Through exposure to contemporary worldwide social issues, the graduate will demonstrate a general knowledge of professional ethical responsibility toward employers, customers, and society

**Outcome Seven.** The graduate will demonstrate a broad education and knowledge of contemporary issues in a global and societal context and demonstrate a general knowledge of professional behavior and ethical responsibility toward employers, customers, and society.