

## **Engineering Technology – Electrical/Electronic Fundamentals Certificate**

### **Program Mission Statement**

The mission of the Electrical/Electronic Fundamentals Certificate of the Technologies department is to provide a quality-learning environment conducive to providing students with the skills and competencies necessary for entry level employment or career advancement as a technician in a broad range of fields that require basic electrical/electronic knowledge and skills. The education can be used to transfer to the two-year college level.

### **Student Outcomes/Program Outcomes**

The graduating student will be able to:

- PO-1. Use and understand technical vocabulary and symbols and read and prepare technical documents including charts, tables, and graphs in the electrical/electronic field.
- PO-2. Demonstrate information technology skills including word processing, spread sheets, introduction to computer programming, and internet research.
- PO-3. Demonstrate the ability to use computer aided drawing (CAD) software to create and manage technical drawings and schematics in the electrical/electronic field
- PO-4. Demonstrate the ability to solve technical problems in basic dc circuits using a scientific calculator.
- PO-5. Demonstrate the ability to measure electrical/electronic quantities using state-of-the-art instruments.
- PO-6. Demonstrate the ability to solve technical problems in basic electronic circuits.

Note: Faculty members will evaluate performance using a variety of assessment rubrics developed by the program's assessment committee.