

## **Electrical Engineering AAS Program Mission Statement**

The Electrical Engineering Technology Program has the mission to provide an academic and technical education with sequential/practical instruction for the development of the student as a mature, responsible electrical technician. The curriculum incorporates basic and advanced courses in electricity, electronics and electrical machinery. In addition students must take technical specialization electives in fields that are of particular interest to them.

### **Electrical Engineering Department Objectives**

Upon thorough review, the department's programs and faculty/staff will showcase an enduring dedication to student education. This steadfast commitment will be upheld by upholding academic standards, the recruitment of faculty, performance evaluations, promotions, judicious resource allocation, and unwavering service to students. The department aims to provide a harmonious blend of essential program knowledge and skills, a thorough and robust general education, as well as specialized fields of study tailored to accommodate students' career aspirations.

### **Electrical Engineering AAS Program Outcomes**

1. Students will demonstrate the application of circuit analysis and design.
2. Apply and follow current safety standards for the electrical engineering industry to ensure a safe workplace.
3. Demonstrate how to properly set up and use electrical equipment.
4. Apply mathematical reasoning to solve problems in the electrical engineering discipline.
5. Utilize computer software in the electrical engineering field.
6. Design solutions for electrical engineering problems.
7. Use proper electrical engineering terminology to effectively communicate with co-workers, engineers, and vendors.