

## **Associate of Applied Science and Certificates Technology**

### **Program Outcomes:**

1. Understand, describe, and analyze the physical components and processes found in technical systems
2. Understand and apply safety practices

### **Welding Concentration Outcomes:**

3. Demonstrate technical skills required in today's metal fabrication and welding environments
4. Demonstrate applications of specifications and welding procedures to specific job tasks
5. Demonstrate skills in welding and thermal cutting processes and familiarity with basic metallurgy theory
6. Demonstrate safe work habits by assessing hazards and using best practices to avoid exposure to risk of injury, and to avoid damaging equipment

### **Occupational Safety Concentration Outcomes:**

3. Identify risks to life, health, and property, and plan and implement strategies that prevent injuries
4. Develop, implement, and manage safety programs that comply with government regulations, industry standards, and best safety practices
5. Design and maintain company and personnel records related to safety activities, training, and incidents
6. Perform hazard recognition and mitigation related to chemical and physical conditions in the workplace
7. Develop and implement a process of incident or injury investigation; properly collect, organize, and analyze appropriate information to link root causes and observed effects
8. Prepare and present employee training modules and programs based on training needs assessments; properly prepare objectives and materials and practice effective presentations