

ASSOCIATE OF APPLIED SCIENCE TECHNOLOGY
Student Learning Outcomes

After participating in the program, Students Will:

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:

- W-1. Demonstrate technical skills required in today's metal fabrication and welding environments
- W-2. Demonstrate applications of specifications and welding procedures to specific job tasks
- W-3. Demonstrate skills in welding and thermal cutting processes and familiarity with basic metallurgy theory
- W-4. Demonstrate safe work habits by assessing hazards and using best practices to avoid exposure to risk of injury, and to avoid damaging equipment

Occupational Health and Safety Concentration Outcomes:

- OSH-1. Identify risks to life, health, and property, and plan and implement strategies that prevent injuries
- OSH-2. Develop, implement, and manage safety programs that comply with government regulations, industry standards, and best safety practices
- OSH-3. Design and maintain company and personnel records related to safety activities, training, and incidents
- OSH-4. Perform hazard recognition and mitigation related to chemical and physical conditions in the workplace
- OSH-5. Develop and implement a process of incident or injury investigation; properly collect, organize, and analyze appropriate information to link root causes with observed effects
- OSH-6. Prepare and present employee training modules and programs based on training needs assessments; properly prepare objectives and materials and practice effective presentations

Construction Concentration Outcomes:

Available for Academic Year 2008-2009