

Technical Studies: Welding Technology

Certificate in Applied Science

30 Semester Hours

This program is designed to provide students with practical hands-on training and education for an entry level welding career, and to provide a basis for advanced welding training.

The graduate will be able to demonstrate mastery level knowledge and job performance in the following areas:

- Demonstrate safe use of oxygen/acetylene cutting of metals
- Demonstrate air carbon arc cutting and gouging
- Demonstrate safe GMAW techniques
- Demonstrate safe FCAW techniques
- Demonstrate safe GTAW techniques
- Understand welding symbols and drawings

Core Component I: General Education Core		Sem. Hrs.
ENL 101	English Composition I	3
Math Elective	Math Elective (MTH 115 or higher)	3
CIS 114	Introduction to Computer Applications & Concepts	3
Component II: Technical / Occupational Specialty		
WFWD 101	Welding Fundamentals	4
WFWD 102	Welding Intermediate Skills	4
WFWD 103	Welding Pipe	4
WFWD 104	Welding Aluminum	4
WFWD 105	Advanced Welding Techniques	5
Total Semester Hours		30