

# WELDING

LIMITED ENROLLMENT • ON-CAMPUS



## CAREER opportunities

- Iron Worker
- Machinist
- Sheet Metal Worker
- Plumber
- Pipe Fitter
- Boilermaker
- Brazer
- Inspector
- Supervisor
- Instructor

## HANDS-ON LEARNING. WORKFORCE READY.

**Develop skills needed to pass the Certified Welder test of the American Welding Society.**

This Associate of Applied Science degree and program certificate options include a one-year program where students spend time in a well-equipped lab practicing different welding techniques, including oxyacetylene, gas tungsten arc, flux cored arc, shielded metal arc and gas metal arc. All courses culminate with practicing the skills necessary to be able to attempt certification testing for American Welding Society Standards D1.1 Structural code. Curriculum includes bonding dissimilar and new alloys. In addition, laser beam and electron beam welding, new fluxes, and other new technologies and techniques are covered. A third semester of advanced welding courses is available to interested students.

### PROGRAM CERTIFICATE

Total Degree Credits: 38 Credits

### ASSOCIATE IN APPLIED SCIENCE

<b>Prescribed Technical Program</b>	<b>50</b>
<b>General Education</b>	<b>15</b>
<b>Total Credits</b>	<b>65</b>

### PREScribed TECHNICAL PROGRAM REQUIREMENTS \*Program Certificate

WELD 110*	OFC Operations
WELD 118*	PAC and CAC Operations
WELD 155*	Blueprint Reading for Welders
WELD 170*	SMAW Operations
WELD 173*	Methods in SMAW Operations
WELD 180*	Advanced Methods in SMAW Operations
WELD 183*	Testing in SMAW Operations
WELD 187*	Types of Non-Destructive Testing
WELD 130*	OFW Operations
WELD 135*	Welding Principles
WELD 140*	Methods in GMAW and FCAW
WELD 145*	Advanced Methods in GMAW and FCAW
WELD 150*	Methods in GTAW
WELD 160*	Advanced Methods in GTAW
WELD 165*	Blueprint Symbols for Welding
WELD 210	Gas Tungsten Arc Pipe Welding
WELD 215	Testing in Gas Tungsten Arc Pipe Welding
WELD 220	Shielded Metal Arc Pipe Welding
WELD 225	Testing in Shielded Metal Arc Pipe Welding



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\*Earning estimates were provided by Emsi Burning Glass in the spring of 2022.