

# WELDING TECHNOLOGY

Delivery: Daytime Program  
Start: Fall Semester, Full-Time  
Location: Rosemount Campus

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## Outcomes

Welding Technology Diploma . . . . . 32 credits

## Major Description

This program provides training in many areas of the welding trades. Subjects covered include electric arc, wire feed, Heliarc welding, oxyacetylene welding and various flame-cutting processes. Students work with a wide variety of metals, including steel, stainless steel, aluminum and cast iron. Shop fabrication, math, and blueprint reading are also covered in the curriculum.

## Work Environment

Welders with the ability to fabricate and weld metal products from blueprints are needed in a wide range of industries, including heavy construction, heavy fabrication (such as tanks and machinery), transportation units, packaging, and material conveyance and electronics.

## Potential Job Titles

- Arc Welder
- Aluminum Welder
- Electric Spot Welder
- Heliarc Welder
- Oxyacetylene Welder
- Welding Specialist

## Salary Data

- Average Wage: \$20.06/hour
- Top Earners: \$25.56/hour

## WELDING TECHNOLOGY – DIPLOMA

### Fall Semester – First Year

Course#	Course Title	Credits
WELD1100	Welding Safety and Theory	2
WELD1102	Shielded Metal Arc Welding I	4
WELD1104	Semi-Automatic Arc Welding I	3
WELD1106	Gas Tungsten Arc Welding I	3
WELD1108	Blueprint Reading	3
<b>Total Credits</b>		<b>15</b>

### Spring Semester – First Year

Course#	Course Title	Credits
WELD1110	Layout	3
WELD1112	Welding Fabrication/Qualification	3
WELD1114	Shielded Metal Arc Welding II	4
WELD1116	Semi-Automatic Arc Welding II	2
WELD1118	Gas Tungsten Arc Welding II	2
	General Education**	3
<b>Total Credits</b>		<b>17</b>

**TOTAL PROGRAM REQUIREMENTS 32**

*This is a sample course sequence resulting in an A.A.S. degree.  
Please consult your program advisor regarding your academic plans.*

*\*\* General Education – Select from SPEE1020, COML1400 or ENGL1100.*