

# Intermediate Welding

## Degree Type

Certificate

### INTERMEDIATE WELDING CERTIFICATE 17 SEMESTER HOURS

Using the modular formatted (NCCER) curriculum, students who complete all required NCCER Level II modules and may earn their national NCCER Level II credential and NCCER Core Credential. The curriculum includes reading welding detail drawings, welding blueprints, and SMAW, GTAW, and FCAW welding processes. This certificate is taught to national welding codes and prepares students for testing and certification for local metal fabrication shops and maintenance welding, and it provides basic skills that will ultimately be needed for construction and pipe welding.

**Note:** To participate, students are required to be equipped with basic safety equipment and tools. These items are not provided and must be purchased by the student.

Required items include:

- Safety Glasses
- Welding Gloves
- Welding Hood (with #10 or #11 lens)
- Oxyacetylene Goggles for cutting (with #4 or #5 lens)
- Striker, Wire Brush, Chipping Hammer
- Protective Clothing (no synthetic blends -100% cotton is recommended)
- 8" high Steel Toe Boots

## Summer

Course Number	Title	Credits
WLD-103	Print Reading I	1
WLD-115	Arc Welding III	4
WLD-120	Flux Cored Arc Welding I	4

## Fall

Course Number	Title	Credits
IMT-211	Basic Industrial Skills II	3
WLD-121	Flux Cored Arc Welding II	1
WLD-132	Inert Gas Weld Ferrous	4
<b>Total Credits</b>		<b>17</b>