

Basic Welding

Degree Type

Certificate

BASIC WELDING CERTIFICATE 16 SEMESTER HOURS

Using the modular formatted (NCCER) curriculum, students who complete all NCCER Level I modules and may earn their national NCCER Level I credential. The curriculum includes welding safety, oxyfuel cutting, and gas and arc welding. Students complete Level I NCCER modules in the SMAW welding process, including Beads and Fillet Welds; GMAW equipment and setup; and GMAW basic welds. This certificate is taught to national welding codes and prepares students for testing and certification for local metal fabrication shops and maintenance 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

Fall

Course Number	Title	Credits
IMT-210	Basic Industrial Skills I	3
WLD-101	Cutting Processes	1
WLD-106	Gas and Arc Welding	4

Spring

Course Number	Title	Credits
WLD-111	Arc Welding I	4
WLD-118	Gas Metal Arc Welding Ferrous I	4
Total Credits		16