

# AMERICAN WELDING ACADEMY

## PROFESSIONAL FABRICATION WELDING & FITTING COURSE

3 Progress Parkway. Union, MO 63084 | [info@awaweld.com](mailto:info@awaweld.com) | 636-800-9353

### COURSE DURATION

12 weeks (40 hours per week)

Total of 480 course hours

### COURSE DESCRIPTION

This course is designed to provide students the skills necessary to pursue a career in advanced manufacturing and the capabilities to construct small and large scale projects.

### QUALIFICATIONS OFFERED

- ★ AWS D9.1 sheet metal/AWS D1.1
- ★ SMAW 3G E-7018 w/backing
- ★ Carbon GTAW ER70s-6 10-18GA
- ★ Stainless GTAW ER3XX 10-18GA
- ★ Carbon GMAW-S ER70s-6 10-18ga

### WHY CHOOSE AWA?

- ★ Student to Instructor ratio of 16:1.
- ★ Certified Welding Inspector on site.
- ★ Instructor's with years of field experience who currently hold multiple AWS/ASME certifications. True masters of their craft.
- ★ Opportunity to earn AWS/ASME welder qualifications prior to program completion.
- ★ State of the art welding training facility.
- ★ Competitive tuition pricing.
- ★ Located close to several major cities.

### CURRICULUM BREAKDOWN

- ★ Safety and OSHA Training
- ★ Oxy-Fuel Cutting Applications
- ★ CAG (Carbon Arc Gouging)
- ★ Plasma Arc Cutting
- ★ Material Preparation– Shearing, Forming, and Roll Forming
- ★ Weld Surface Preparation
- ★ Intro to Shielded Metal Arc Welding/Setup
- ★ SMAW- 6010/7018 Pad Beads, T-joints F, H, V, and OH
- ★ GMAW- Pad beads, Lap Joints, Outside Corner Joints on 3/16" and 11ga. Using short circuit, spray and pulsed transfers in the F, H, V, VD, and OH positions
- ★ SMAW- 3g with backing plate qualifications
- ★ FCAW- Pad beads and T-joints in the F, H, V, and OH positions. 2F and 3F
- ★ GTAW- Pad Beads on carbon, stainless, and aluminum in the F, H, V, and OH positions
- ★ Laps, T's, and Outside Corner Joints in the F, H, V, and OH positions on 11ga, 14ga, and 20ga
- ★ Carbon, stainless, and aluminum will include welding qualifications
- ★ Post-Weld Preparation– Grinding, Sanding, Blending, and Polishing
- ★ Trade math, Weld symbols, Blue-print reading, and Weld Quality & Inspection
- ★ Job Preparation/Resume Building/Financial.

### HOW TO ENROLL

Enrollment forms are available through the website or an AWA representative. A completed enrollment form and a \$100 deposit is all you need to reserve your spot now. Hurry and get YOUR spot today before classes fill up!