

WELDING TECHNOLOGY

offered by

ADULT education

@ West-MEC ▶▶

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WELDING TECHNOLOGY

The Welding Technology program focuses on incremental levels of competency based training to prepare students to enter the welding industry. The program will introduce the common welding processes used throughout many parts of the industry such as SMAW (Stick welding), GMAW (MIG welding), FCAW (Flux cored arc welding), GTAW (TIG welding) and Oxy-fuel cutting. A broad array of industry sectors such as pipeline, shipyard, power plant, buildings, bridges, and aerospace applications utilize this skill set.

Welding Technology | 900 hours

- ▶ Plate and structural welding progressing to pipe and tubing configurations
- ▶ Instruction in blueprint reading
- ▶ Weld symbol interpretation
- ▶ Basic metallurgy, weld quality, base metal preparation, and joint fit-up and alignment
- ▶ Machine set-up, filler material selections and basic equipment maintenance

Welding Technology - Plate | 600 hours

- ▶ Plate and structural welding in the SMAW, FCAW, GMAW and GTAW processes
- ▶ Instruction in welding symbols and blueprint reading
- ▶ Basic metallurgy, weld quality, base metal preparation, joint fit-up, and alignment
- ▶ Preheating and post heating of base metals
- ▶ Thermal cutting including oxyfuel, plasma, and carbon arc cutting

Welding Technology - Pipe | 300 hours

- ▶ Pipe welding with the SMAW process on open root pipe welds
- ▶ Pipe welding with the GMAW, FCAW processes on carbon steel base metals
- ▶ Pipe and tube welding with the GTAW process focusing on carbon steel, stainless steel, and low alloy base metals

Campus Details

West-MEC Central Campus
6997 N. Glen Harbor Boulevard
Glendale, AZ 85307
☎ 623.209.8070 ✉ adulted@west-mec.edu

West-MEC Southwest Campus
500 N. Verrado Way
Buckeye, AZ 85326 (South of I-10 and Verrado)
☎ 623.872.6260 ✉ adulted@west-mec.edu

Course Details

Monday-Thursday | 6:45PM-9:45PM

Tuition and Fees:

- ▶ Program of Study: \$7,925
- ▶ Program of Study-Plate: \$5,300
- ▶ Program of Study-Pipe: \$2,625
- ▶ Each Course: varies

How to Register

Visit west-mec.edu/findyourhappy for information on registration.