**Pipe Welder Course**

**AWA**

Pre-requisite - Structural welder course, must be 17 years old on or before first day of class. Have a high school diploma or GED. Complete a negative drug screen test.

* 12 weeks 480 hours
* Provided by AWA is all the basic tools to complete course.
* This course takes the skills that students demonstrated during the structural course and builds on them to create a competent combo pipe welder. With the ability to weld pipe comes the reward of the opportunity for higher wages. Some of the industries a pipe welder may be employed in are - steel mills, paper mills, food processing plants, power plants, refineries, chemical & pharmaceutical plants, oil & gas and many other areas.
* Students will perform welds in the 2G, 5G and 6G positions using GMAW, FCAW, SMAW and GTAW (which will be introduced in this course). After preforming quality welds in those positions, restrictors will be used on the same tests. Restrictors will limit welder mobility while improving skill as students move into simulations of in-the-field welding.
* Basic metallurgy, metal classification, electrode classification, pre and post heating.
* Project plans – Blueprints, detail drawings, weld symbols, ISO’s and P&ID’s.
* Non-Destructive and Destructive bend tests.
* Students will demonstrate -
* The use common trade math. In the Vocational setting math is sometimes easier to comprehend when applied to a physical object.
* The ability to make weld repairs within code.
* Basic pipefitting knowledge including but not limited to:
* Ability to perform quality fits on pipe to pipe and pipe to fittings.
* Ability to perform quality weld joint transitions.
* Ability to make a degree cut on an elbow.
* Students shall wear proper PPE at all times.
* Resume, interview and employment search assistance is provided at the end of the course.
* Upon course completion a student will receive a Certificate of Completion.
* Weld test certification administered by a Certified Welding Inspector will be available.
* Total cost of course $10,600 (breakdown of expenses below)
  + Tuition - $8,965
  + Lab supplies - $1,635