



APEX WELDING ACADEMY

Structural Welder Course to AWS D1.1

Pre-requisite - Must be 17.5 years old on or before first day of class. Provide a negative drug screen test. Students that are still minors will need a parent or guardian signature when enrolling.

- 10 weeks 400 hours
- Provided by AWA is all the basic tools to complete course.
- This course is to prepare structural welders that may be employed by fabrication shops, tank farms, steel mills, paper mills, food processing plants, power plants, refineries, chemical & pharmaceutical plants and many other areas.
- The structural course includes OFC (acetylene torch), FCAW (flux core arc welding), GMAW (MIG), SMAW (stick) and CAC-A (carbon arc cutting).
- Students will demonstrate knowledge of theory, equipment and troubleshooting of equipment to be used.
- Students will use common trade math. In the Vocational setting, math is sometimes easier to comprehend when applied to a physical object.
- Basic metallurgy, metal classification, electrode classification, pre and post heating will be introduced.
- Project plans – Blueprints, legends, detail drawings and weld symbols.
- After the student exhibits skill and control of each process and a successful coupon to D1.1. The instructor may allow the student to move to the next process.
- Each student during shop time can progress individually according to the individual's skill with the direction of the instructor.
- Non-Destructive and Destructive bend tests.
- Student will demonstrate ability to make weld repairs within code.

- The student will demonstrate the ability to perform quality fits on structural members.
- Students will be strongly encouraged to surpass the minimum requirements of AWS D1.1 code. WE DO NOT TEACH TO JUST PASS THE TEST.
- 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 \$8,900
 - Tuition - \$6,185
 - Tools & books - \$1,080.
 - Lab fees - \$1,635.

Lab fees include plate & pipe material, welding rod, argon, oxygen, acetylene and any other material that is consumed into the weldment.