



# WORKFORCE SOLUTIONS

CUSTOMIZED EMPLOYEE TRAINING

## *Basic Welding* *45 hours*

This course is designed to introduce the student who has little to no welding experience to the basic set up and operation of the major welding processes. (SMAW, GMAW, GTAW, Oxyfuel welding/cutting/brazing, and plasma cutting) Instruction will be provided in the following areas:

- Safety (electrical, cylinder, compressed gas, and related machinery)
- Filler metal selection and usage.
- Equipment setup.
- Basic welds in all positions.

### Course Materials

Text: Welding Principals and Applications, 5<sup>th</sup> edition

Required Equipment and Safety Gear: Welding helmet, welding gloves, safety glasses, protective clothing, chipping hammer, wire brush, cutting/welding goggles.

### Course Logistics

Number of Hours: 45

Location: To be taught at the college

Number of Students: 8