

# TRADES

## CONTINUING EDUCATION & WORKFORCE DEVELOPMENT

### WELDING I

The purpose of this course is to prepare students to make a successful start toward becoming craftsman in the welding trade. Through lecture, handouts, and hands-on experience, students will learn to use gases and/or welding processes and to braze and solder metal parts according to diagrams, blueprints, or written specifications.

#### Cost

Registration - \$180

Insurance - \$2.50

Supplies - \$60

**EST. TOTAL - \$242.50**

#### Additional Costs

- Auto Tint Welding Shield
- Welding gloves
- Safety Glasses with side shields
- Chipping Hammer
- Wire Brush
- Book
- 3" Binder for handouts

#### Course Outline

- Welding Safety (OSHA 10)
- Employment Readiness
- Oxyfuel Cutting
- Plasma Arc Cutting
- Air Carbon Arc Cutting and Gouging
- Base Metal Prep
- Weld Quality
- SMAW- Equipment and Set up
- Shielded Metal Arc Electrodes
- SMAW - Beads and Fillet Welds
- Joint Fit-up and Alignment
- SMAW -Groove Welds with Backing
- SMAW-Open V-Groove Welds
- Review

#### Textbook Details

NCCER Welding Level 1 6th edition

**BOOKS MAY BE PURCHASED IN THE BCC BOOKSTORE.**