

# TRADES

## CONTINUING EDUCATION & WORKFORCE DEVELOPMENT

### WELDING II

This course is a continuation of Welding I with the objective to prepare students for a career within the Welding industry. Students will learn to identify, interpret, draw welding symbols, describe welding detail drawing, physical characteristics, mechanical properties, composition, and how to set up GTAW equipment.

#### Prerequisite

- Welding I

#### Cost

Registration - \$180

Insurance - \$2.50

Supplies - \$20

**EST. TOTAL - \$202.50**

#### Additional Costs

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

#### Course Outline

- Welding Symbols
- Reading Welding Drawings
- Physical Characteristics and Mechanical Properties of Metals
- Preheating and Post heating of Metals
- GMAW and FCAW - Equipment and Filler Metals
- GMAW and FCAW- Plate
- GTAW - Equipment and Filler Materials
- GTAW - Plate
- Review

#### Textbook Details

NCCER Welding Level II Contren Learning Series

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