



# Welding Career Technical Training Area

## Advanced Manufacturing Career Pathway

### Welding

**The Job Corps Welding career training program takes 8 to 12 months to complete and requires training in the following subject areas:**

- Safety and health of welders
- Occupational orientation
- Drawing and welding symbol interpretation
- Welding mathematics
- Welding inspection and testing principles
- Cut and shape base metal with auxiliary equipment
- Flame cut with oxy-fuel
- Machine oxy-fuel gas cutting (track burner)
- Plasma arc cutting
- Air carbon arc cutting
- Weld base metal with shielded metal arc welding (SMAW) equipment
- Weld base metal with gas metal arc welding (GMAW) equipment
- Weld base metal with flux cored arc welding (FCAW) equipment
- Weld base metal with gas tungsten arc welding (GTAW) equipment

### Credentials:

Students who complete a Job Corps training program are eligible to receive the following credential:

- American Welding Society (AWS) Schools Excelling through National Skills Excellence (SENSE) Certificate

### Eligibility requirements:

Before completing a Welding training program, students should:

- Have the basic math and reading skills necessary to perform the job.
- Complete the core curriculum and pass all written and performance tests.

### Average length of training:

8 to 12 months

### The salary range for various careers in Welding is:

\$29,000 to \$43,000/year

## Green Training



Job Corps students who enter the Welding career technical training area will also train in a variety of green subject areas to prepare for successful careers in the new green economy. Students will develop knowledge and skills in the following green technology and industry practices.

- OSHA and EPA safety requirements
- Shop maintenance procedures to reduce waste and promote environmental stewardship
- Proper cleanup procedures using green materials and products
- Reduce, Reuse, and Recycle

## THE BENEFITS OF JOB CORPS

**Hands-on training and internships • Housing, meals, and basic medical care • Earn while you learn: Biweekly living allowance • Administered by the U.S. Dept. of Labor**

### What is Job Corps?

- **A residential career training program**
- **Your path to a career in a high-growth industry**
- **A place to earn your high school diploma or GED**
- **Career counseling and support after graduation**



*Career Technical Training programs vary at different Job Corps centers.*

Administered by the U.S. Department of Labor, Job Corps is the nation's largest career technical training and education program for low-income students ages 16 through 24. Job Corps is a U.S. Department of Labor Equal Opportunity Employer Program. Auxiliary aids and services are available upon request to individuals with disabilities. TDD/TTY telephone number is (877) 889-5627.