

ADVANCED WELDING



OVERVIEW

The Job Corps **Welding** Advanced Training program provides training in the following subject areas:

- Introduction to advanced welding and safety techniques
- Metal properties
- Preheating and post-heating of metals
- Structural steel fitting and layout
- Jigs and fixtures
- Heat distortion and stress
- Weld preparation for pipe
- Pre-pipe test
- Shielded Metal Arc Welding—pipe
- Gas Metal Arc Welding—aluminum, mild steel
- Flux Cored Arc Welding—gas-shielded, self-shielded
- Gas Tungsten Arc Welding—aluminum, mild steel, pipe, stainless steel
- Two-man (buddy) welding pipe
- Drawing and welding symbol interpretation (pipe-specific)

BENEFITS OF

ADVANCED TRAINING

- **More career options** upon graduation
- Better chance of a **higher salary**
- The opportunity to earn **advanced industry credentials**
- The opportunity to **fine-tune industry-specific skills and receive additional hands-on training** at an accelerated pace

CREDENTIALS

As a Job Corps student, you can earn credentials in your training area that demonstrate you have **gained the knowledge and skills** to help you **succeed in your career**. Credentials may lead to greater employment opportunities, higher wages, and promotions.

Students who complete an Advanced Manufacturing training area can earn **nationally recognized credentials** from agencies such as the American Welding Society (AWS) and the National Institute for Metalworking Skills (NIMS). Credentials such as these offer students a competitive edge on positions in manufacturing, production, and metalworking.



PROGRAM ENTRY REQUIREMENTS

Before entering the Welding Advanced Training program, students must:

- Complete the Job Corps basic Welding career technical training program.
- Have a high school diploma or the equivalent.
- Have a positive behavior record with no major incidents in the past 90 days.
- Have a positive attendance and progress record.
- Have health clearance from the Job Corps center where they received basic training.
- Meet academic (math and reading) requirements.
- Pass an entrance exam.
- Complete a successful phone or in-person interview.

\$ SALARY RANGE

\$35,000 to \$45,000/year
for various careers in welding

For additional salary information and career path options in this field, visit www.mynextmove.org.

ADVANCED WELDING TRAINING PROGRAM

PROGRAM EXPECTATIONS

Students entering the Welding Advanced Training program will be expected to participate in the following professional practices:

- Arrive on time and be ready to begin work immediately.
- Dress for the training program with uniform worn properly.
- Work the entire time while on the job.
- Follow safety guidelines.
- Follow rules and instructions of the training program and Job Corps.
- Demonstrate respect for self, tools, and equipment.
- Exercise good customer relations skills.



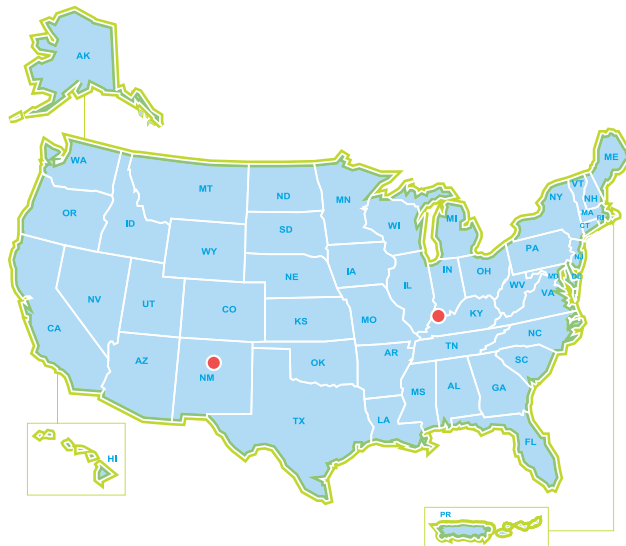
GREEN TRAINING

Job Corps is committed to preparing students for careers in fields that will lead to a cleaner, more energy-efficient future. The Welding Advanced Training program trains students with the knowledge and skills needed to succeed in the green economy. Students who enter this program also have trained in a variety of green subject matter areas during their prerequisite training program.

PROGRAM LOCATIONS

The Welding Advanced Training program is offered at the following centers:

- **Albuquerque Job Corps Center**, Albuquerque, N.M.
- **Earle C. Clements Job Corps Center**, Morganfield, Ky.



Administered by the U.S. Department of Labor, Job Corps is the nation's largest career technical training and education program for low-income young people 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.