



# **Advanced Career Institute**

# Welding Technology

## Is the Welding Technology Program right for me?

Our 480 Hour Welding Technology Program is the perfect program for people who have *LITTLE* to *NO* experience in the welding industry. If the following qualities describe you, our Welding Technology program might be a good Career choice:

- ✓ Reliable
- ✓ Courteous
- ✓ Alertness
- ✓ Honesty
- ✓ Detail-Oriented
- ✓ Stress Management Skills
- ✓ Patient
- ✓ Self-Dependent
- ✓ Good Concentration Skills

## What Will I Learn?

This program is designed to prepare students to perform the duties and responsibilities required by entry level positions in the welding trade, such as Welder, Arc Welder, or Combination Welder. This program includes instruction in arc welding, resistance welding, brazing and soldering, cutting, high energy beam welding & cutting, solid state welding, ferrous and non-ferrous materials, oxidation-reduction reactions, welding metallurgy, welding processes and heat treating, structural design, safety, and applicable codes and standards. Students will also learn about welding shop safety, shop math, blue print reading, shop English, and study the SMAW process, the Oxy-Fuel process, the GTAW process, the GMAW process, and the FCAW process. Learning about all the above processes, will include becoming familiar with the tools, materials, equipment, and setup, as well as getting experience in each area.

## Outcome Certification Opportunities:

Core, Introductory Craft Skills, National Construction Career Test (NCCER), SENSE (American Welding Society), Welding (NOCTI), Welding, National Construction Career Test (NCCER).

## Career & Educational Path:

Upon completion of this program, students may work as a welding specialist, and may continue their training and education for degrees in mechanical engineering, manufacturing, and applied science-based degrees.



## Why ACI?

### Hands-On Training

ACI has formulated its curriculum to meet the needs of students who are career focused. Our hands-on curriculum and training is designed to help students adapt quickly from study, to practical application in their new career. You can stand out among your peers with industry knowledge, you gained at ACI.

### Experienced & Qualified Instructors

Our instructors are professionals in their fields, and bring current industry insight right into the classroom. They are selected for their industry background & experience and bring our students their relevant, on-the-job experience that you can't get in a textbook.

### Financial Aid

As a nationally accredited institution, we are authorized to offer various financial aid programs to those who qualify (Financial Aid is NOT available for all of our programs). A financial aid representative will walk you through the process and explain your options.

### Nationally Accredited

Advanced Career Institute takes pride in being a *FULLY* accredited school, that offers Welding as one of its programs. Advanced Career Institute is accredited by the Commission of the Council on Occupational Education (COE), a national institutional accrediting body recognized by the U.S. Department of Education.



For more information about our graduation rates, median loan debt of student who completed the program, and other important information, please visit our website at [www.advanced.edu](http://www.advanced.edu)

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Welding