

**CAREERS IN TRADES
& APPRENTICESHIPS**

WELDING TECHNOLOGY

**CERTIFICATE &
ASSOCIATE OF SCIENCE
WEST HILLS CENTER**

The Welding Technology program is designed to train individuals for employment in the welding technology industry. CCAC's program is available with both an associate's degree and certificate option.



Students have the opportunity to become certified welders using American Welding Society (AWS) and American Society of Mechanical Engineers (ASME) codes and standards. Increasingly, most welding jobs now require welders to be certified. For individuals pursuing certification or an associate's degree, graduates may seek employment as a welder, welding shop supervisor or as an advanced certified welder.

Learn Multiple Welding Processes from Experienced Instructors

The program exposes students to different welding processes—including shielded metal-arc welding, gas tungsten-arc welding, gas metal-arc welding, plasma cutting, carbon gouging, oxy fuel cutting and brazing—as well as welding on metals such as mild steel, stainless steel and aluminum. The “Fast Track” Welding Technology program gives full-time students an opportunity to become certified welders in one 16-week semester. Available as a day or evening program, credit for courses may be awarded for work completed at an area vocational, technical or trade school or in the military. Graduates of both the certificate and associate's degree programs are eligible to take the AWS Weld Certification examination. All exams are administered by a third-party examiner and conducted onsite at the CCAC Welding Lab. Employment prospects for those entering the field continue to be strong. The US Department of Labor, Bureau of Labor Statistics, lists more than 125 occupations related to the welding and joining processes.



www.ccac.edu

The first choice for faster results.



More than 92% of CCAC graduates live and work in our region.

Certificate Requirements (317.2)

First Semester	Credits
WLD-101 Welding Fundamentals	3
WLD-102 Advanced Welding	3
WLD-107 Blueprint Reading for Welders	3
WLD-201 Preparation for Welding Certification	3
WLD-202 MIG & TIG Processes	3
WLD-221 Brazing & Welding	3
Minimum credits required to graduate	18

Associate's Degree Requirements (316.2)

First Semester	Credits
WLD-101 Welding Fundamentals	3
WLD-102 Advanced Welding	3
WLD-107 Blueprint Reading for Welders	3
WLD-201 Preparation for Welding Certification	3
WLD-202 MIG & TIG Processes	3
WLD-221 Brazing & Welding	3
Second Semester	
MAT-191 Mathematics for the Industries	3
PHS-161 Physical Science for the Industries	3
PSY-116 Organizational Psychology	3
WLD-211 Welding Inspection	3
WLD-217 MIG Flux Core Certification	3
Third Semester	
ENG-101 English Composition 1	3
MMT-130 Job Safety & First Aid	1
SPH-101 Oral Communication	3
WLD-222 Pipe Welding 1 Basic	3
Computer Information Technology Elective	3
General Elective	3
Fourth Semester	
ENG-103 Technical Communications	3
WLD-223 Pipe Welding 2 Advanced	3
General Elective	6
Minimum credits required to graduate	61

All information is correct as of date of publication. However, some curriculum requirements may have changed since publication. Please consult the CCAC website at www.ccac.edu to view complete program descriptions and the latest curriculum changes, including information on course prerequisites.

For more information on **CCAC's Welding Technology program**, please call 412.788.7500.
 CCAC West Hills Center
 1000 McKee Road
 Oakdale, PA 15071
www.ccac.edu

CCAC Nondiscrimination Policy

The college does not discriminate based upon race, color, religion, national origin, ancestry or place of birth, sex, gender identity or expression, sexual orientation, disability, marital status, familial status, veteran status, age or use of a guide or support animal because of blindness, deafness or physical disability of any individual. Questions may be emailed to diversity@ccac.edu.

Individuals with disabilities who are requesting accommodations should contact the Supportive Services for Students with Disabilities office at 412.469.6215. This publication is available in alternate formats; contact 412.469.6215.