

Careers in Trades and Apprenticeships

Welding, Gas & Oil

Certificate Program

The Welding, Gas & Oil Certificate Program is designed to provide students with the skills for employment as a pipe welder in industries such as cross-country natural gas transmission and natural gas retailers.

Upon successful completion of the Welding, Gas & Oil Certificate Program, students will:

- Demonstrate the technical skills for employment as a welder in the oil and gas industry.
- Apply safety procedures and theory of the Shielded Metal Arc Welding processes.
- Utilize multi-layered welds in different weld joints and weld positions.
- Make a shielded metal-arc weld on schedule 80 pipe in a fixed 6G position.
- Transition pipe welding skills to the downhill process using specialized electrodes.

Successful completion of this program prepares the student for the following examinations: SMAW, AWS D1.1 and D1.5 on 1 inch plate in the vertical position; ASME and AWS pipe welding certification in uphill SMAW for 6 in diameter, schedule 80 pipe in the 6G position fixed position; and the API downhill shielded metal-arc process used to connect natural gas cross country transmission pipelines.

The program accommodates the schedules of working individuals by providing classes locally. Save travel time and expense by taking CCAC coursework in the area while gaining access to the courses offered at the Pittsburgh Campus!

Certificate Requirements

Course		Credits
WLD-101	Welding Fundamentals	3
WLD-102	Advanced Welding	3
WLD-201	Preparation for Certification	3
WLD-222	Pipe Welding 1- Basic	3
WLD-223	Pipe Welding 2- Advanced	3
WLD-224	Pipe Welding 3- Downhill	3

Minimum credits required to graduate 18



For more information on the Welding, Gas and Oil Program or to pre-register for the program, call the Keystone Community Education Council at (814) 677-4427

Class size is limited. Call to reserve your seat today for this exciting program.

The Welding, Gas & Oil Certificate Program is being offered through a partnership with Keystone Community Education Council, Community College of Allegheny County and your Local Career and Technical Center

