



COMMUNITY COLLEGE OF ALLEGHENY COUNTY

Careers in Trade and Apprenticeships

Pipe Welding

ATTENTION AWS Certified Welders!

Have you been hearing a lot about jobs for welders for the Oil and Gas/Petrochemical Industry?

Interested, but need to learn pipe welding?

The Community College of Allegheny County is offering a 9 credit Pipe Welding Program with the possibility of earning an additional 9 credits at Venango Technology Center in Oil City

- Low cost and close to home
- API and ASME Certification
- Courses created to prepare you for the Oil and Gas Industry
- Earn college credit

If interested in attending our next session or want more information, please call the Keystone Community Education Council at 814.677.4427

CCAC Pipe Welding Program Course Description

WLD-222 - Pipe Welding 1 Basic (3 credits)

Prerequisite(s): AWS D1.1 or D1.5 Certification

This course provides students with knowledge and skills to effectively begin basic techniques of uphill shielded metal-arc welding (SMAW) for pipe. Uphill welding is generally used on thick-wall pipe. Students will practice their basic skills on metal plates before transitioning to 6 diameter pipe. The American Society of Mechanical Engineers (ASME) and American Welding Society (AWS) code specifications will be followed.

WLD-223 - Pipe Welding 2 Advanced (3 credits)

Prerequisite(s): PREREQUISITES: WLD 222

This course provides students with knowledge and skills to prepare for American Society of Mechanical Engineers (ASME) and American Welding Society (AWS) pipe welding certification in uphill shielded metal-arc welding (SMAW) for 6 diameter, schedule 80 pipe in the 6G (45 degree) fixed position. Testing materials and fee for AWS certification are added to this course.

WLD-224 - Pipe Welding 3 - Downhill/Exp (3 credits)

Prerequisite(s): PREREQUISITES: WLD 223

This course provides students with knowledge and skills to prepare for two separate welding certifications: 1) American Petroleum Institute (API) downhill shielded metal-arc pipe welding process. This process is employed by the Marcellus Shale industry to connect natural gas cross country transmission pipelines. 2) American Society of Mechanical Engineers (ASME) Pipe welding with a TIG root. This process is used in nuclear manufacturing. Testing fees and materials are added to the tuition for this course.

The Pipe Welding Technology Certificate Program is being offered through a partnership with Keystone Community Education Council, Community College of Allegheny County and Venango Technology Technical Center.

