

# Welding



**Instructor Donna Bastian**  
**CIP Code 48.0508**

Students who successfully complete the Welding program will have skill sets in Oxy-Fuel Cutting (OFC), Plasma Arc Cutting (PAC), Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), Flux Cored Arc Welding (FCAW), and Gas Tungsten Arc Welding (GTAW).

Students will have an opportunity to become American Welding Society (AWS) certified. They will have an acquired set of skills related to basic hand tools used in industry, as well as skills in CNC plasma cutting and design and robotic welding applications.

Graduates can expect to obtain entry level employment in a welding or metal fabrication shop.

## Career Pathways:

Welders, Cutters, Solderers & Brazers  
Welding Apprentice, Journey Person  
Welder Foreman  
Welder Supervisor  
Welding Inspector  
Welding Business Owner  
Welding Instructor\*  
Welding Engineer\*

\*Starred occupations require post-secondary degree

## Program Entrance Recommendations:

- Strong math skills
- Can read a tape measure
- Safety-conscious

## Earn Industry Certifications:

AWS D1.1 SMAW 3G  
AWS D1.1 GMAW 2G  
AWS D1.1 FCAW 3G  
OSHA 10-Hour General Industry  
(Manufacturing)

## Earn College Credits:

PA Bureau of CTE SOAR Articulation Credits– for more information, visit <https://www.collegetransfer.net/Search/PA-Bureau-of-CTE-SOAR-Programs>

