

Do you enjoy working with your hands? Do you like creating, designing, and/or repairing things? A career in welding may be the path for you!



Pathway Description:

Prepare for a career in the manufacturing, fabrication, and structural steel industries. This 2-year regional pathway includes application of SMAW, GMAW, Oxy Fuel, FCAW, GTAW and Robotic Weld processes, using ferrous and non-ferrous metals. The program's curriculum is aligned to AWS national standards for entry-level welders and includes safety, blueprint reading, and welding procedure specifications.

Key Competencies:

- Identify various metals and basic welding supplies and tools.
- Operate manual and robotic welding equipment.
- Understand blueprint reading and develop skills to accurately design products.
- Knowledge in use of precision measuring instruments and the application of such instruments.
- Demonstrate accuracy in cutting and trimming metal objects to specific dimensions.

Courses (HS Credits):

9G78B Introduction to GMAW (2)
9G79B GMAW Production (2)
9G80A OXY Fuel Welding/Cutting (2)
9G81A ARC Welding Introduction (SMAW) (2)
9G82A ARC Welding Intermediate (SMAW) (2)
9G83A Measuring, Layout, & Applied Weld Symbols (2)
9G84B Introduction to Pulse ARC GMAW Weld (2)
9GE8A Industrial Safety (1)
9GF9B Welding Blueprint Reading (1)

Total College Credits: 21

Annual National Average Salary for Entry Level Welder: \$39,000

Career Opportunities:

Structural Metal Fabricators and Fitters	Solderers and Brazers
Structural Iron and Steelworkers	Welders, Cutters, and Welder Fitters