

Welding

Manufacturing Cluster

This program is designed to prepare students to perform welding tasks under the supervision of two experienced certified welders. Students learn GMAW, GTAW, SMAW, FCAW, and cutting torch. This course offers AWS and OSHA-10 National Certifications.

Program Duration & Grade Level

Welding is a two (2) year program

Once a student starts in 11th grade, they will be required to continue and complete the Welding program in their 12th grade year.

Certifications & Qualifications

Upon completion of this two-year program, students will receive the following certifications: OSHA-10, 13 AWS D1.1 Certifications including Aluminum D1.2/D1.2M 2F T-joint Certifications. AWS D1.1- complete groove plate and plate coupons must pass face and root bend test.

Prior Knowledge

Prior knowledge needed in math includes, but is not limited to:

- 4 Function math skills without a calculator
- Knowledge of metric system and basic decimal and fraction conversions

Estimated Pay

Estimated pay salaries for a person in the Welding Technology field

Job Description	Degree	Estimated Starting Salary
Tool Grinders, Filers, and Sharpeners	High School Diploma	\$31,330
Welding, Soldering, and Brazing Workers	High School Diploma	\$57,060
Sheet Metal Workers	High School Diploma	\$45,930
Structural Iron and Steel Workers	High School Diploma	\$49,400
Pipelayers, Plumbers, Pipefitters, and Steamfitters	High School Diploma	\$52,800
Boilermakers	Associate Degree	\$86,050

Bonds Career Center accepts students based upon a rubric considering attendance, discipline, grades, and teacher recommendations. Administrators will consider mitigating factors on a case-by-case basis. Administrators may revoke student privileges at any time for failure to meet program requirements. The maximum enrollment for this class is 40 students due to safety requirements, accreditation rules, and facility/equipment limitations.