Academy of Welding

Why should I consider welding?

Secondary Courses for High School Credit

Level 1
- Principles of Manufacturing
- Introduction to Welding

Level 2
- Introduction to Film Interpretation of Weldments
- Welding I
- Entrpreneurship I

Level 3
- Welding II
- Welding II + Welding II Lab

Level 4
- Practicum in Manufacturing
- Practicum in Manufacturing + Extended Practicum in Manufacturing
- Practicum in Entrepreneurship
- Practicum in Entrepreneurship + Extended Practicum in Entrepreneurship
- Career Preparation for Programs of Study
- Career Preparation for Programs of Study + Extended Career Preparation

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities
- Job shadow a welder
- Intern for a local welding company

Expanded Learning Opportunities
- Tour a welding shop
- Participate in SkillsUSA or TSA
- Participate in a welding project that benefits the community

Aligned Industry-Based Experience

- API 1104 Welding Pipelines and Related Facilities
- AWS Certified Welder
- AWS D1.1 Structural Steel
- AWS D9.1 Sheet Metal Welding
- AWS SENSE Level 1: Entry Welder
- Construction Technology Certification Level I
- Core
- Industrial Technology Maintenance (ITM)
  - Maintenance Welding
- Welding - Job Ready
- Welding and Fabrication
- Welding Level 2
- Welding Level I

Successful completion of the Academy of Welding will fulfill the requirements of the Business and Industry endorsement

WISD CAREER TECHNICAL EDUCATION DEPARTMENT

Example Postsecondary Opportunities

Apprenticeships
- Welding

Associate Degrees
- Welding Technology
- Building/Construction Site Management
- Operations Management and Supervision

Bachelor's Degrees
- Welding Technology
- Construction Management
- Projection Management
- Building/Construction Site Management

Master's, Doctoral, and Professional Degrees
- Engineering
- Engineering/Industrial Management
- Manufacturing Engineering
- Construction Engineering

Example Aligned Occupations

Welders, Cutters, Solderers, and Brazers
- Median Wage: $48,494
- Annual Openings: 5,636
- 10-Year Growth: 23%

First-Line Supervisors of Production and Operating Workers
- Median Wage: $62,514
- Annual Openings: 6,566
- 10-Year Growth: 17%

Industrial Production Managers
- Median Wage: $124,377
- Annual Openings: 1,544
- 10-Year Growth: 19%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.

For more information visit: https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/m-welding-extended pptx.pdf