



WELDING



PBIZ

PERMIAN BASIN INNOVATION ZONE

The Welding program of study focuses on the development and use of automatic and computer-controlled machines, tools, and robots that perform work on metal or plastic. CTE learners will learn how to modify parts to make or repair machine tools or maintain individual machines, and how to use hand-welding or flame-cutting equipment.

CTE PBIZ Pathway Course Sequence

- 1 Introduction to Welding
- 2 Welding 1: WLDG 1421 + WLDG 1417
- 3 Welding: WLDG 1430 + WLDG 1343
- 4 Practices in Manufacturing: WLDG 1435 + WLDG 2413

Career Outlook

Welder Helper

- Median Wage: \$24, 800

*Welder, Cutter, Solderers, and Brazers

- Median Wage: \$41, 350

*Welding Solferers and Brazing Machine Setters, Operators and Tenders

- Median Wage: \$40, 040

*Requires further certification/education

Postsecondary Opportunities

Associates Degree

- Certified Welder or Welder Inspector
- Machine Shop Technology/Assistant
- Operations Management and Supervision
- Occupational Safety and Health Tech

Bachelor's Degree

- Welding Engineering Technology/ Technician
- Biomedical Technology/Technician
- Operations Management and Supervision
- Environmental Health

Master's Degree & Beyond

- Welding Engineering Technology/ Technician
- Occupational Health and Industrial Hygiene
- Operations Management and Supervision
- Environmental Health

Pathway Components

- Industry Based Certifications
- Dual Credit Courses
- Work-Based Learning
- Bridge to Workforce and Higher Education