



MACHINING & WELDING TECHNOLOGY

Postsecondary Opportunities

Associates Degrees

- Welding Technology/Welder
- Machine Shop Technology/Assistant
- Operations Management and Supervision
- Occupational Safety and Health Technology/Technician

Bachelor's Degrees

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

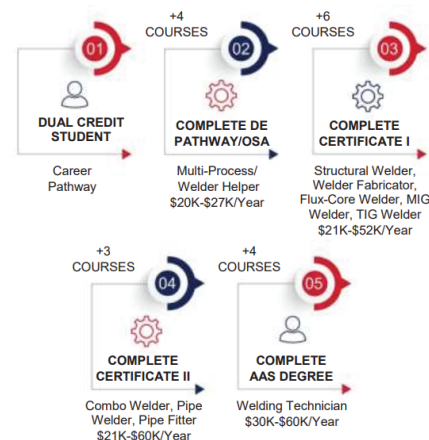
Postsecondary Opportunities Cont ...

Master's, Doctoral, and Professional Degrees

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

Texas is already the second-largest employer of machinists in the nation. Between now and 2028, there will be a 10% increase in the number of machinist jobs in Texas. Graduates can find careers in commercial and military aircraft, medical and telecommunications equipment, automotive tool manufacturing, and, of course, oil tool manufacturing.

Welding Technology Career Pathways



Work-Based Learning and Expanded Learning Opportunity

Exploration Activities

- Participate and compete in Skills USA
- Job shadow a machinist

Work-Based Learning Activities

- Work in a local business or industry apprenticeship
- Join the American Welding Society

Statewide Program of Study

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.

Precision Machining Technology Career Pathways

