

WELDING

This program prepares students for careers in the welding industry. The program emphasizes welding theory, practical application and skills in blueprint reading necessary for successful employment. Students are prepared to take industry qualification tests.

PROGRAMS BEGIN

February
June
October

TECHNICAL COLLEGE CERTIFICATES

Basic Shielded Metal Arc Welder
Gas Metal Arc Welder
Gas Tungsten Arc Welder

DID YOU KNOW?¹

The Welding industry
is projected to grow
2% by 2031

IMPORTANT QUALITIES¹

- Mathematics Skills
- Attention to Detail
- Manual dexterity
- Hand-eye coordination
- Physical Endurance
- Analytical Skills
- Organizational Skills
- Technical Skills

COURSES

- WELD 1000 Introduction to Welding Technology
- WELD 1010 Oxyfuel and Plasma Cutting
- WELD 1030 Blueprint Reading for Welding Technology
- WELD 1040 Flat Shielded Metal Arc Welding
- WELD 1090 Gas Metal Arc Welding
- WELD 1110 Gas Tungsten Arc Welding

MEDIAN SALARY¹

\$47,010

NUMBER OF JOBS AVAILABLE¹

428,000

TYPICAL RESPONSIBILITIES¹

- Read and interpret blueprints, sketches, and specifications
- Calculate and measure the dimensions of parts to be welded
- Inspect structures or materials to be welded
- Weld materials according to blueprint specifications
- Monitor the welding process and adjust heat as necessary
- Maintain equipment and machinery

1. Welders, Cutters, Solderers, and Brazers: Occupational Outlook Handbook: U.S. Bureau of Labor Statistics
<https://www.bls.gov/ooh/production/welders-cutters-solderers-and-brazers.htm#tab-1>