WELDING TECHNOLOGY (WT)

About the program

Programs in this field provide general and specific educational opportunities for students seeking careers requiring knowledge of welding techniques and procedures.

Degrees/Certificates within this Program:

- Associate of Science Degree, Welding Technology
- Certificate of Achievement, Welding Technology
- Certificate of Recognition, General Welding
- Certificate of Recognition, Electric Arc & Oxyacetylene Welding
- Certificate of Recognition, MIG & TIG Welding

Similar Degrees/Certificates offered at CR:

- Associate of Science Degree, CADD/CAM Design and Manufacturing
- Certificate of Achievement, CADD/CAM Design and Manufacturing
- Associate of Science Degree, Manufacturing Technology
- Certificate of Achievement, Manufacturing Technology

Career Opportunities

Employment opportunities in this field include:

- Welding supervisors
- Welding inspectors
- Welding engineers
- Educators
- Drafters
- Equipment repair
- Self-Employment
- Material/equipment sales

For more information

- Danny Walker, Professor, Welding
  707-476-4595 | danny-walker@redwoods.edu
  www.redwoods.edu/Welding-Technology/
- Career & Technical Division, 707-476-4341
- Counseling & Advising, 707-476-4150

Certificate of Recognition, MIG & TIG Welding

Program Requirements	Units
MT 52 Ferrous Metallurgy	3.0
WT 53 Basic Gas and Arc Welding	2.0
WT 54 General Gas, Braze (emphasis) Welding, and Soldering	2.0
WT 90 Gas Metal Arc and Gas Tungsten Arc Welding	2.0
WT 91 Gas Metal Arc and Gas Tungsten Arc Welding Lab	1.0
Total Units	**10.0**

About this Certificate

Programs in this field provide general and specific educational opportunities for students seeking careers requiring knowledge of welding techniques and procedures.

Suggested Program Sequence

For information about the program length and suggested sequence of courses for this degree, please see an Advisor or the Career & Technical Education Division.

Program Learning Outcomes

- Demonstrate safe welding and shop practice.
- Setup and operate hand and power tools, manual or semi-automatic welding equipment, such as SMAW, OAW, OAC, OABW, PAC, AAW and CAC.
- Identify and demonstrate weld procedures, manipulative techniques, processes, layout, concepts, and theory to produce welds common to the weld industry.