

Welding



The **Welding program** of studey focuses on the development and use of automatic and computer-controlled machines, tools, and robots that perform work on metal or plastic.

Students 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.



Exploration

Mechanics & Metal Technologies
Principles of Manufacturing



Investigation

Welding I



Preparation

Welding II



Application

Practicum in Manufacturing
Systems Career Preparation I

Certifications

AWS D1.1 Structural Steel
AWS D9.1 Sheet Metal Welding

Work-Based Learning

Apprenticeship with local businesses
American Welding Association

CTSO

Skills USA and Welding Competition Circuit

Connected Occupations

Occupation	Median Wage	Annual Openings	% Growth
Welders, Cutters, Solders, and Brazers	\$41,350	6,171	9%
Welding Soldering & Brazing Machine Setters, Operators & Tenders	\$40,040	280	9%