

# Welding/Metal Work Production

Students who complete 2 credits in this pathway will meet their state graduation pathway through the CTE Sequence option.

The **Welding/Metal Work Production Program of Study** provides the opportunity to obtain the knowledge and skills needed to become proficient in production and/or manufacturing involving welding and metalwork. This program allows students to take multiple courses teaching them to plan and design a project using CADD, use welding equipment and machinery, use various tools for assembly, and understand mechanical systems. These skills will prepare students for successful careers in the field and provide experience to work for businesses or work as an entrepreneur and build their own business.

Is this program a fit for you?

- Enjoy projects where you work with your hands and use tools
- Enjoy learning by assembling, taking apart, and fixing things
- Feel comfortable in a shop environment
- Have an interest in mechanical work

## High School Opportunities

### Courses

- Shop - Welding I
- Shop - Welding II
- Shop - Welding III
- Computer-Aided Drafting & Design I

### Additional Possibilities

- FFA / SkillsUSA
- Lead - Jake Juchmes

### Career Connected Learning

- Job Shadows/Internship
- Career Exploration Field Trips

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## After High School Options

### Certificates

- Welding Technology/Welder
- Metal Fabrication
- Sheet Metal Technology
- Carpentry
- Masonry

### 2 year option

- Welding Technology/Welder
- Metal Fabrication
- Machine Tool Technology/Machinist

### 4-year option

- Welding Technology/Welder
- Manufacturing Engineering Tech

## Careers

### Example of Careers and Salary

• Parts Assembly and Fabrication	\$ 30,930
• Welding	\$ 39,390
• Sheet Metal Work	\$ 46,940
• Iron Working	\$ 50,830
• Industrial Engineering Tech	\$ 53,330

\*Data Source - Schoolinks

## Program Courses

Program High School Courses	Grades	Equivalencies	CIHS	Dual Credit	Industry Recognized Certificate (IRC)
Shop - Welding I	10, 11, 12			X	OSHA 10 General Industry
Shop - Welding II	10, 11, 12				OSHA 10 General Industry
Shop - Welding III	11, 12				OSHA 10 General Industry Fork Lift Certificate
Computer Aided Drafting & Design I	9, 10, 11, 12			X	YouScience CAD Mechanical 1