



Vernonia High School MANUFACTURING

For students interested in:

- Designing unique products
- Creating products
- Industrial Engineering
- Industrial mechanics
- Using tools and equipment

Sequence of Courses

Introductory

- Intro to Metals (9-12th grade, 0.5 credit)

Intermediate

- Welding I (9-12th grade, 0.5 credit)
- Manufacturing I (9-12th grade, 0.5 credit)

Advanced

- Welding II (9-12th grade, 1.0 credit)
- Welding III (9-12th grade, 1.0 credit)
- Manufacturing II (9-12th grade, 0.5 credit)
- Manufacturing III (9-12th grade, 1.0 credit)
- Fabrication I (9-12th grade, 1.0 credit)

Students will learn:

- Work safely in a shop setting
- Apply quality control techniques to achieve desired specifications
- Plan manufacturing operations to meet deadlines
- Operate machine shop equipment, such as laser cutter and welding equipment

Career Options

Welders, Cutters, Solderers, and Brazers	\$61,577
Machinists	\$61,914
Industrial Machinery Mechanics	\$74,915
Sheet Metal Workers	\$78,268
Computer Numerically Controlled Tool Programmers	\$78,662
Structural Iron and Steelworkers	\$86,730
Industrial Engineers	\$112,325

2024 median annual salary for tri-county area high wage and high demand
-Oregon Employment Division

Industry Recognized Credentials

- Many welding certifications available



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Current Industry Partners

- Van Weld Metal Fabrication LLC
- Cascade Systems Technology
- Precision Castparts Corp.
- Columbia Industries
- Valley Machine
- Summit Manufacturing

