



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 (9-12 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

Sheet Metal Workers	\$78,354
Structural Iron and Steelworkers	\$79,373
Industrial Engineers	\$103,334
Industrial Machinery Mechanics	\$62,856
Welders, Cutters, Solderers, and Brazers	\$51,355
Machinists	\$51,667
Computer Numerically Controlled Tool Programmers	\$65,083

2022 median annual salary for tri-county area high wage and high demand
-Oregon Employment Division

Industry Recognized Credentials

- Many welding certifications available

Current Industry Partners

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