



Tualatin High School

ENGINEERING

For students interested in:

- Problem solving
- Creative solutions
- Applying learning in a real-world environment
- Product design

Students will learn:

- The engineering design cycle to complex problems
- Professional programs and technology to model and create products
- 3D printers, laser cutters, and electronics to build creative solutions

Sequence of Courses

Introductory

- Engineering Design 1 (9-12th grade, 0.5 credit)
- Exploring Engineering and Design (9-12th grade, 0.5 credit)
- Computer Aided Design (9-12th grade, 0.5 credit)

Intermediate

- Engineering Design 2 (9-12th grade, 0.5 credit)
- Robotics (9-12th grade, 0.5 credit)

Advanced

- IS: Engineering (9-12th grade, 0.5 credit)
- Engineering & Design Capstone (9-12th grade, 0.5 credit)

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

Current Industry Partners

- Portland Electrical Construction Inc.
- Glumac
- Aerojet Rocketdyne
- Harper Houf Peterson Righellis

