



# Vernonia High School ENGINEERING

## For students interested in:

- Computers
- Electronics
- Engineering design
- Working with robots

## Sequence of Courses

### Introductory

- Engineering Design (9-12 grade, 0.5 credit)
- Mechatronics 1A (9-12 grade, 0.5 credit)

### Intermediate

- Mechatronics 1B (9-12<sup>th</sup> grade, 0.5 credit)

### Advanced

- Engineering II (11-12<sup>th</sup> grade, 0.5 credit)

## Industry Recognized Credentials

- Arduino Certification
- Fusion 360 Certification

## Current Industry Partners

- WaferTech
- Lam Research
- Intel
- Microsoft

## Students will learn:

- To create with 3D printers
- How to use computer-aided drafting software (CAD)
- To program electronics
- To build projects
- To use professional skills including organization, communication, and attention to detail

## Career Options

Electrical and Electronic Engineering Technologists and Technicians	\$63,190
Electrical Engineers	\$103,934
Mechanical Engineers	\$100,922
Architectural and Civil Drafters	\$61,464
Computer Hardware Engineers	\$132,288

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