Vernonia High School
ENGINEERING

For students interested in:

- Computers
- Engineering design
- Electronics
- Working with robots

Sequence of Courses

Introductory, 9-12th grade
- Computer Science I and II (1.0 credit)
- Robotics and Drones (0.5 credit)
- Electrical Engineering I (0.5 credit)
- Computer Aided Design (CAD) I (0.5 credit)

Intermediate, 9-12th grade
- Electrical Engineering II (0.5 credit)
- CAD II (0.5 credit)
- AP Computer Science Principles (1.0 credit)
- AP Computer Science A (1.0 credit)

Advanced, 11-12th grade
- Mechatronics, Capstone (0.5 credit)

Industry Recognized Credentials

- Arduino Certification
- Fusion 360 Certification

Current Industry Partners

- WaferTech
- Intel
- Lam Research
- 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

Architectural and Civil Drafters	$70,691
Electrical and Electronic Engineering Technologists and Technicians	$75,917
Mechanical Drafters	$85,478
Mechanical Engineers	$111,999
Electrical Engineers	$119,017

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

Click QR Code to connect to Industry Sheet

PACTEC
Portland Area Career Technical Education Consortium

Portland Community College®