

# 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
- 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, 1.0 credit)
- Exploring Engineering and Design (9-12th grade, 0.5 credit)

### Intermediate

- Engineering Design 2 (9-12th grade, 1.0 credit)
- Robotics (9-12th grade, 0.5 credit)

### Advanced

- IS: Engineering (9-12th grade, 1.0 credit)
- Engineering & Design Capstone (9-12th grade, 1.0 credit)

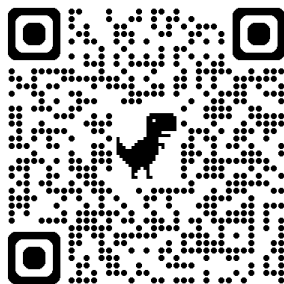
## Career Options

Electrical Engineers	\$119,017
Mechanical Engineers	\$111,999
Industrial Engineers	\$112,325
Industrial Machinery Mechanics	\$74,915
Civil Engineers	\$109,953
Electricians	\$94,288
Computer Numerically Controlled Tool Programmers	\$78,662

2024 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



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Industry  
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