

INSTRUCTOR:
SCOTT JACKSON
jacksons@hsd.k12.or.us

For students interested in:

- Engineering design
- Computers

- Architecture
- Construction

SEQUENCE OF COURSES

Please refer to HSD course catalog for more information

Required course: **Drafting 1**.5 credit

9th grade

Capstone course:
Engineering Design &
Development

1 credit
12th grade
Dual credit possible
Senior project included

Required courses:

- 1. Principles of Engineering
 1 credit
- 2. Electronic Technology 1 .5 credit

Choose at least one of the following courses:

- 1. Electronic Technology 2 2. Robotics 1
- .5 credit each 10-11th grade
- **3. Digital Electronics** .5 credit
 - 11th grade (Algebra 2 is a prerequisite)

PATHWAY TEACHES STUDENTS TO:

- Apply theories and principles of science and math
- Design, plan & supervise
- Organize and interpret scientific data
- Produce and analyze designs on computer
- Conduct and explain scientific research
- Problem-solve
- Communicate effectively
- Work in testing production or maintenance

CAREER POSSIBILITIES & SALARY RANGES

•	Engineers (many specialties)	\$70,387 - \$163,280
•	Engineering Tech	\$51,397 - \$70,387
•	Computer Scientist	\$80,517 - \$125,008
•	Commercial Pilot	\$40,000 - \$247,000
•	Architect	\$63,939 - \$130,312
•	CTE Educator	\$39,998 - \$168,834
•	Surveyor	\$38,875-\$106,891

*Salary ranges shown are from the 10th to 90th percentile

SOME LOCAL COLLEGES & MAJORS

- PCC- Associate of Applied Science: Civil Engineering Tech, Electrical Engineering Tech, Mechanical Engineering Tech or Microelectronics Technology
- PSU, OIT or OSU- Bachelors of Science: Computer Science or Engineering (All fields)
- **U of P** Bachelors of Science: Engineering (All fields)
- **U of O** Bachelors of Science: Computer Engineering, Computer Science or Product Design

POTENTIAL LOCAL EMPLOYERS

- Intel
- Tektronix
- Applied Materials
- Qorvo

- Epson
- Nike
- Daimler
- Armed Forces

CLUBS & PROFESSIONAL ORGANIZATIONS:

FIRST Robotics Team Shockwave

To learn more about career and college opportunities, make an appointment with your counselor 503-844-1900 ext. 3504