



LIBERTY HIGH SCHOOL ENGINEERING

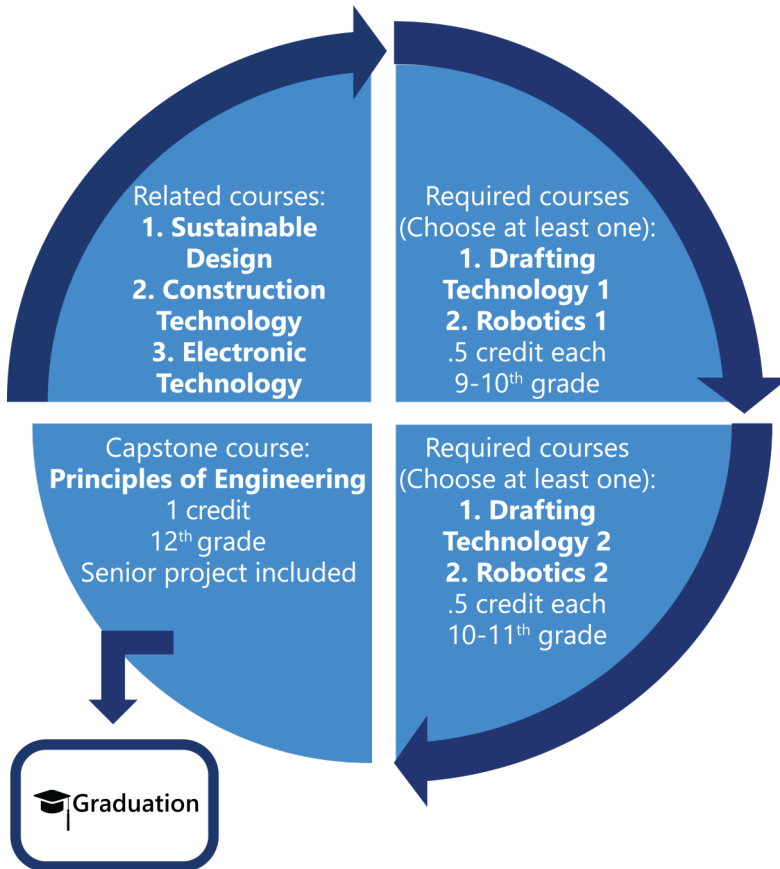
INSTRUCTORS:
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For students interested in:

- Engineering design
- Architecture
- Computers
- Construction

SEQUENCE OF COURSES

Please refer to HSD course catalog for more information



PATHWAY TEACHES

STUDENTS TO:

- Utilize an iterative design process
- Use Computer-Aided Design (CAD) software to create engineering designs
- Integrate science into engineering projects
- Use soft skills such as teamwork and communication to engineer complex solutions
- Conduct scientific research

CAREER POSSIBILITIES & SALARY RANGES

| | |
|--------------------------------|-----------------------|
| • Engineers (many specialties) | \$70,387 - \$163,280 |
| • Engineering Technician | \$51,397 - \$70,387 |
| • Computer Scientist | \$80,517 - \$125,008 |
| • Scientific Researcher | \$139,464 - \$233,480 |
| • Architect | \$63,939 - \$130,312 |
| • Construction Manager | \$74,734 - \$171,122 |
| • 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 Engineering, 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
- AEMBOT
- MESA
- Science Fair
- Oregon Game Project Challenge

To learn more about career and college opportunities, make an appointment with your counselor 503-844-1250