



# LIBERTY HIGH SCHOOL COMPUTER SCIENCE

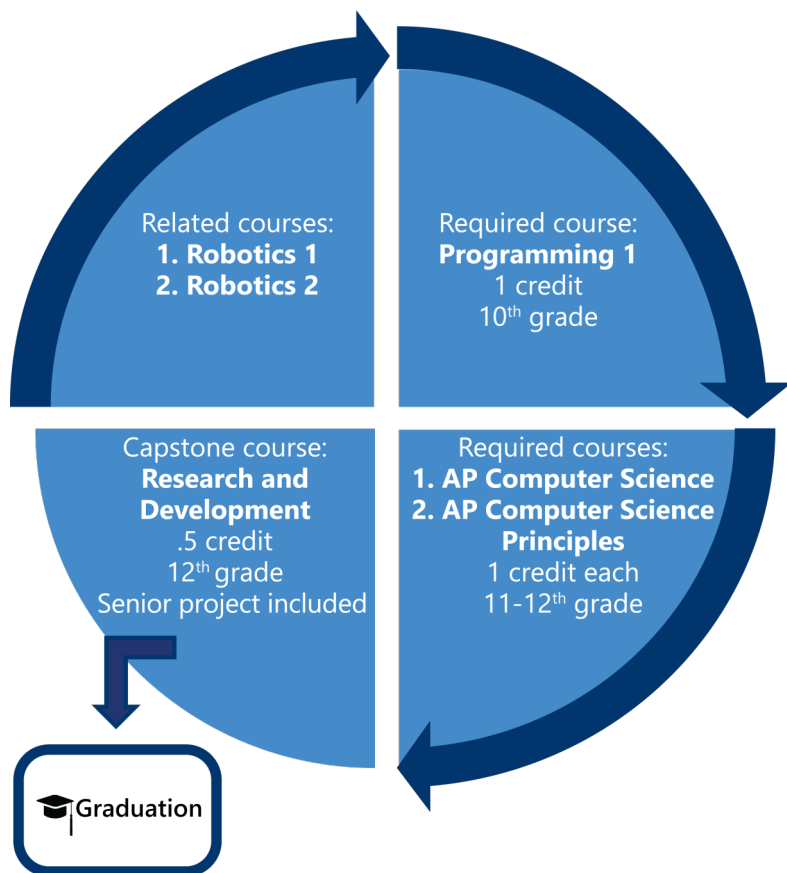
**INSTRUCTORS:**  
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## For students interested in:

- Computers
- Mobile devices
- New technology
- Problem solving
- Creating digital content

## SEQUENCE OF COURSES

Please refer to HSD course catalog for more information



## PATHWAY TEACHES

### STUDENTS TO:

- Explore the field of computer science
- Provide an overview of computer architecture, software development engineering, data organization, problem-solving strategies, ethics and theory of computation
- Build software development skills
- Learn to work on a software team using project management strategies such as agile development to plan, track and manage team projects.
- Develop programs in programming language such as Java or Python
- Explore data types, control structures and algorithms

## CAREER POSSIBILITIES & SALARY RANGES

• Computer and Info Systems Manager	\$92,165- \$153,774
• Computer Software Engineer	\$80,517- \$125,008
• Web Developer	\$51,000- \$76,000
• Database Administrator	\$64,522- \$105,477
• Network Administrator	\$54-784- \$62,053
• Software App developer	\$76,378- \$122,990
• Computer Programmer	\$60,736- \$95,618
• Computer Systems Analyst	\$69,575- \$122,990

## SOME LOCAL COLLEGES & MAJORS

- **PCC**– Associate of Applied Science: Website Development and Design, Network Administration or Computer Info Systems. One-year Certificate: Website Development and Design. Career Pathway certificate: Web Assistant
- **OSU**– Bachelors of Science: Computer Science
- **PSU**– Bachelors of Science: Computer Science, Computer Engineering
- **U of O**– Bachelors of Science: Computer and Information Science

## POTENTIAL LOCAL EMPLOYERS

- Intel
- Qorvo
- Fujitsu Computer Products of America
- Oracle America
- Axiom Electronics
- Enli Health Intelligence
- Aero Drone Corporation
- Cabot Microelectronics Corporation
- McAfee Lab
- Nvidia Corporation
- Synopsys

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