



# HILLSBORO HIGH SCHOOL COMPUTER SCIENCE

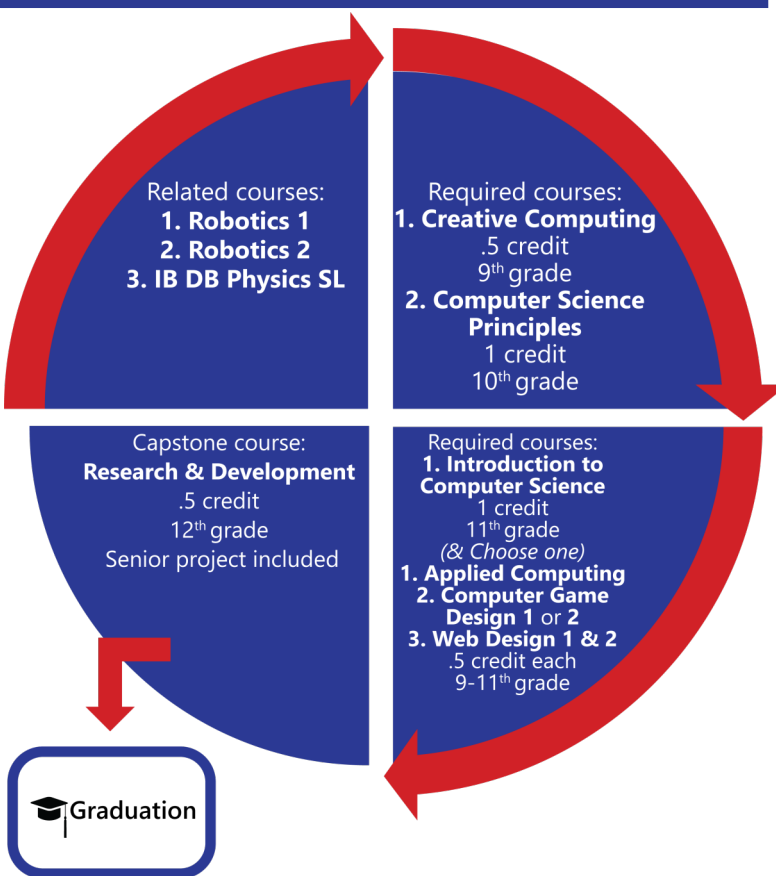
**INSTRUCTOR:**  
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## For students interested in:

- Programming
- Web design
- Computer game design
- Engineering
- Robotics
- Electronics
- Computer science
- Video game design

## SEQUENCE OF COURSES

Please refer to HSD course catalog for more information



## PATHWAY TEACHES

### STUDENTS TO:

- Create computer games through the use of a game engine, such as Game Maker or Unity
- Use basic computer coding and computational thinking
- Build and program robots that use sensors to accomplish tasks
- Solve complex problems both individually and as a team
- Create and maintain web pages using HTML, CSS and other web authoring tools
- Use Photoshop Creative Suite to create web graphics
- Learn to use industry standard software development tools and project management skills

## CAREER POSSIBILITIES & SALARY RANGES

• Computer and Info Systems Manager	\$103,064- \$223,496
• Computer Software Engineer	\$71,594- \$181,064
• Web Developer	\$52,770- \$124,779
• Database Administrator	\$57,221- \$154,710
• Network Administrator	\$68,744- \$140,754
• Software App developer	\$64,563- \$159,619
• Computer Systems Analyst	\$84,552- \$168,854

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

## 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 or 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 503-844-1988