GLENCOE HIGH SCHOOL
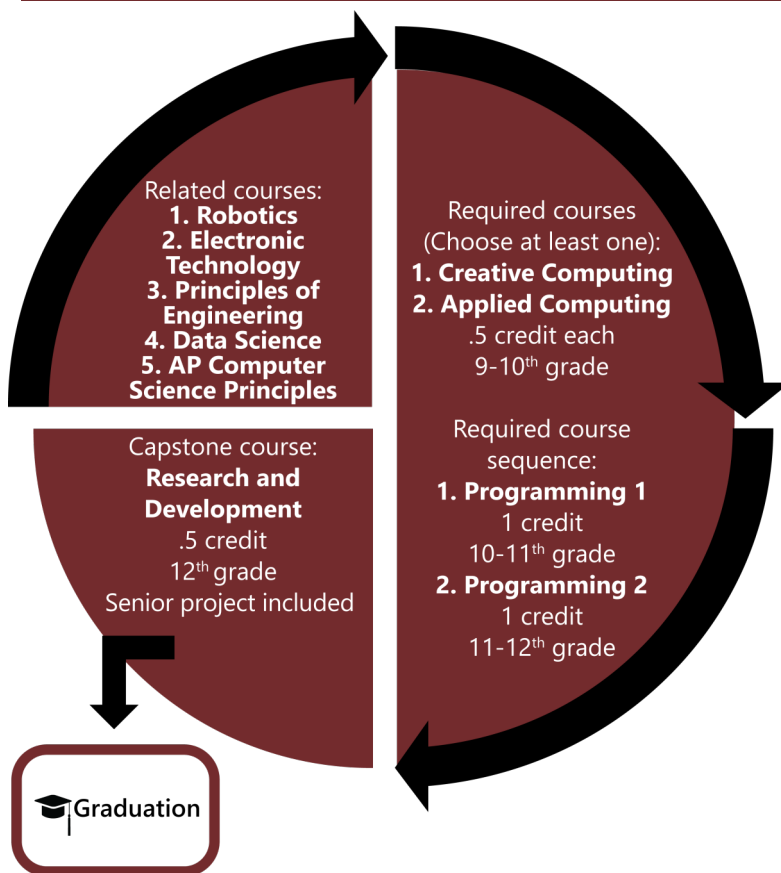## COMPUTER SCIENCE

INSTRUCTOR:

GARY JONES

jonesg@hsd.k12.or.us

For students interested in:

- Computers
- Programming
- Computer game design
- Web Design
- Problem Solving
- Computer Science
- Engineering
- Robotics

PATHWAY TEACHES STUDENTS TO:

- Use basic computer coding and computational thinking
- Explore the field of Computer Science
- Build software development skills
- Develop programs in a language such as Java or Python
- Solve complex problems both individually and as a team
- Explore data types, control structures & algorithms

SEQUENCE OF COURSES

Please refer to HSD course catalog for more information

Related courses:
**1. Robotics
2. Electronic Technology
3. Principles of Engineering
4. Data Science
5. AP Computer Science Principles**

Required courses
(Choose at least one):
**1. Creative Computing
2. Applied Computing**
.5 credit each
9-10th grade

Required course sequence:
1. Programming 1
1 credit
10-11th grade
2. Programming 2
1 credit
11-12th grade

Capstone course:
Research and Development
.5 credit
12th grade
Senior project included

Graduation

CAREER POSSIBILITIES & SALARY RANGES

Career	Salary Range
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