



Sherwood High School

COMPUTER PROGRAMMING

For students interested in:

- Programming
- Web design
- Computer game design
- Working with computers
- Combining creativity and technology

Sequence of Courses

Introductory

- Computer Applications (9-12th grade, 0.5 credit)
- Intro to Computer Science Thru Game Design (9-12th grade, 0.5 credit)
- Comp Sci/Python A-B (9-12th grade, 0.5 credit)
- Computer Science Digital Graphic Design (9-12th grade, 0.5 credit)
- Video Production 1 (9-12th grade, 0.5 credit)

Intermediate

- Web Coding A-C (9-12th grade, 0.5 credit)
- Computer Science Projects A (9-12th grade, 0.5 credit)

Advanced

- Networking/Security A-C (9-12th grade, 0.5 credit)
- Computer Science Software Engineering/Java A-B (9-12th grade, 0.5 credit)
- AP Computer Science A-C (9-12th grade, 0.5 credit)
- StRUT/STW/Computer Hardware/A+ Certification A-C (9-12th grade, 0.5 credit)
- Computer Science Projects B-F (9-12th grade, 0.5 credit)
- CTE Apprentice – Video Production (9-12th grade, 0.5 credit)
- Video Production 2 (9-12th grade, 0.5 credit)

Dual Credit Offerings

- PCC - CIS 122 – Introduction to Programming Logic (4 credit hours)
- PCC - CIS 145 – Microcomputer Hardware and Troubleshooting (4 credit hours)

Students will learn:

- Programming language and tools
- How to use software and equipment needed to create, edit, and produce media
- To manage projects that will meet customer requirements
- Professional skills such as teamwork and communication
- Computer coding and computational thinking

Career Options

Computer and Information Systems Managers	\$133,474
Computer Systems Analysts	\$104,645
Network and Computer Systems Administrators	\$101,504
Logisticians	\$80,399
Information Security Analysts	\$106,080
Computer Programmers	\$106,579

2022 median annual salary for tri-county area high wage and high demand
-Oregon Employment Division

Current Industry Partners

- Siemens
- Nvidia
- Dataworld.AI
- Microsoft TEALS
- Medable, Inc.