Sherwood High School
COMPUTER PROGRAMMING

For students interested in:

- Programming
- Game design
- Combining creativity and technology
- Computer Systems & Hardware
- AI
- Esports

Sequence of Courses

Introductory
- Computer Science Essentials A (9-12th grade, 0.5 credit)
- Game Design (9-12th grade, 0.5 credit)
- Esports (9-12th grade, 0.5 credit)
- Computer Applications (9-12th grade, 0.5 credit)
- Computer Science Digital Graphic Design 1 (9-12th grade, 0.5 credit)
- Video Production 1 (9-12th grade, 0.5 credit)

Intermediate
- Computer Science Essentials B (9-12th grade, 0.5 credit)
- Computer Science Principles A-B (9-12th grade, 0.5 credit)
- Computer Science Projects A (9-12th grade, 0.5 credit)

Advanced
- AP Computer Science A-C (10-12th grade, 0.5 credit)
- Computer Science Projects B-C (9-12th grade, 0.5 credit)
- Computer Science Digital Graphic Design 2 (9-12th grade, 0.5 credit)
- Video Production 2 (10-12th grade, 0.5 credit)
- CTE Apprentice – Video Production (11-12th grade, 0.5 credit)

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
- New product development utilizing the industry standard design process
- College and career offerings

Career Options

Career	Salary
Computer and Information Systems Managers	$174,691
Computer Systems Analysts	$126,468
Network and Computer Systems Administrators	$110,626
Logisticians	$91,926
Information Security Analysts	$119,330
Computer Programmers	$120,880

2024 median annual salary for tri-county area high wage and high demand
-Oregon Employment Division

Dual Credit Offerings

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

Current Industry Partners

- Siemens
- Dataworld.AI
- Medable, Inc.
- Nvidia
- Microsoft TEALS
- City of Sherwood
- Project Lead the Way

Click QR Code to connect to Industry Sheet

Portland Community College®

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Portland Area Career Technical Education Consortium