



# Tigard High School COMPUTER PROGRAMMING

## For students interested in:

- Programming
- Web design
- Working with computers
- Computer science
- Combining creativity and technology
- Solving real-world problems

## Sequence of Courses

### Introductory

- Exploring Technology (9-12th grade, 0.5 credit)
- Web Design (9-12th grade, 0.5 credit)
- IT1: IT Technician (9-12th grade, 1.0 credit)

### Intermediate

- Python Programming 1 (9-12th grade, 0.5 credit)

### Advanced

- IT2: Network Administration (9-12th grade, 0.5 credit)
- IT3: Network Security (9-12th grade, 0.5 credit)
- IT4: Server Administration (9-12th grade, 0.5 credit)
- IT5: Windows Operating Systems (9-12th grade, 0.5 credit)
- IT6: Database Management (9-12th grade, 0.5 credit)
- IT7: Mobile Devices (9-12th grade, 0.5 credit)
- Python Programming 2 (9-12th grade, 0.5 credit)

## Dual Credit Offerings

- PCC – CIS 145 – Microcomputer Hardware and Troubleshooting (4 credit hours)



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to connect to  
Industry  
Sheet

### Students will learn:

- To manage a database
- To work in teams and other professional skills
- Programming languages and tools
- To create websites and software applications
- To identify computer hardware components

## Career Options

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

## Current Industry Partners

- Open Sesame
- Dataworld.AI
- Medable, Inc.
- Nvidia
- Microsoft TEALS

