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

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

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)

Career Options

Career	Salary
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

Dual Credit Offerings

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

Current Industry Partners

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

PACTEC
Portland Area Career Technical
Education Consortium