



Tualatin High School

COMPUTER SCIENCE

For students interested in:

- Game design
- App design
- Web design
- Programming
- Robotics
- Drones
- Broadcasting
- Computer science

Sequence of Courses

Introductory

- Software Design (9-12th grade, 0.5 credit)
- Exploring Computer Science (9-12th grade, 0.5 credit)
- Game Design (9-12th grade, 0.5 credit)
- App Design (9-12th grade, 0.5 credit)
- Unmanned Aircraft & Aerial Photo 1 (9-12th grade, 0.5 credit)

Intermediate

- Web Design (9-12th grade, 0.5 credit)
- Game Design 2 (9-12th grade, 0.5 credit)
- IT1: IT Technician (9-12th grade, 0.5 credit)
- Broadcast Technology (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)
- Robotics (9-12th grade, 0.5 credit)
- Unmanned Aircraft & Aerial Photo 2 (9-12th grade, 0.5 credit)
- IT Series (9-12th grade, 0.5 credit)

Students will learn:

- How to design computer games, apps, software, and websites
- Computational thinking
- To solve complex problems individually and as a team
- Various computer operating systems
- To work on a team and use project management skills

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

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