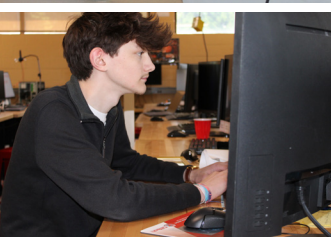
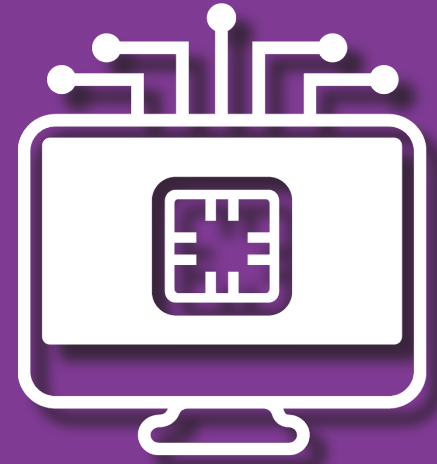


COMPUTER TECHNOLOGY

Where bytes become brilliance as you transform coding dreams into a reality

Students will explore the dynamic world of information technology through CompTIA A+ certification preparation, Cisco Networking Academy coursework, technical support training and video game design. Develop a strong foundation in computer hardware, software, networking, and system maintenance while gaining hands-on experience building, troubleshooting, and managing personal computers. Students will gain industry-recognized skills, technical expertise and the confidence to succeed in today's rapidly evolving technology careers.



What You Can **LEARN**

Units of Study

- Gaming: Mapping Coordinates, Physics, Beta Builds, Ratings, Proof of Concept Testing, Isometric Geometry and Trigonometry, Scrolling and Camera View, Programming: The Game Maker Language
- Elements and Principles of Art
- Edutyping
- Intro to the Personal Computer
- Lab Procedures and Tool Use
- Computer Assembly
- Preventive Maintenance and Troubleshooting
- Windows Installation, Configuration and Management
- Network Concepts and Applied Networking
- Laptops, Mobile Devices and Mobile Operating Systems
- Printers
- Security
- The IT Professional
- Advanced Troubleshooting



What You Can **EARN**

Available High School Academic Credits

At district request, students may earn:

- English
- Math

Licensing/Industry-Based Certifications

Students have opportunities to earn:

- CompTIA A+ Certification Prep
- National Career Readiness Certification (NCRC) with four levels of certification (Platinum, Gold, Silver, Bronze) based on three parts:
 - Applied Math
 - Workplace Documents
 - Graphic Literacy

Work-Based Learning

- School-Based Learning
- Educational Tours
- Guest Speakers
- Career Fair
- Job Shadow
- Co-op



Where You Can **GO**

Career Opportunities

Minimal Requirement Beyond CTE

- Computer Support Specialist
- Computer Repair Technician

Additional Education and/or Experience

- Systems Engineer
- Applications Developer
- Game Designer/Developer

Postsecondary Pathways

Dual Enrollment

- Genesee Community College
 - Computer Repair (CSN150)

Articulation Agreements

- Genesee Community College
- SUNY Canton
- SUNY Morrisville

Now You Can **KNOW**

The average annual salary for a computer and information technology occupation in the U.S. is around \$88,240, according to the Bureau of Labor Statistics.



Monroe 2-Orleans BOCES Career and Technical Education

WEMOCO Career and Technical Education Center

3589 Big Ridge Road, Spencerport, NY 14559

(585) 352-2471 • www.monroe2boces.org/cte • @BOCES2CTE

