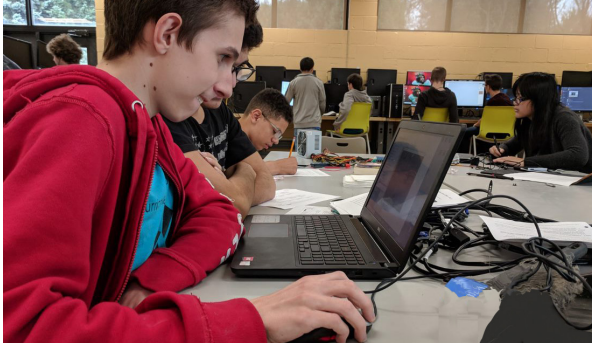


# Computer Technology

## Whatever the organization, computer technology supports it



Students learn about the CompTIA A+ curriculum through the Cisco Networking Academy, tech support and video game design. An emphasis is placed on customer service and presentation skills.

### Units of Study

- Mapping Game Coordinates
- Game Physics
- Beta Builds
- Game Ratings
- Proof of Concept Testing
- Isometric Geometry and Trigonometry
- Scrolling and Camera View
- Programming The Game Maker Language
- Elements and Principles of Art
- Edutyping
- Introduction 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

### Available Academic Credits

- English
- Math

### College Credits

Genesee Community College Dual Enrollment -CSN 150: Computer Repair

### Licensing / Industry- Based Certifications

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

### Work-Based Learning

CTE programs bring students into the workplace for real life experiences. Businesses that support our Computer Technology students:

- Eastman Kodak
- Monroe 2-Orleans BOCES
- SunnKing
- OS-Cubed, Inc.

### Articulation Agreements

- Genesee Community College
- SUNY Canton
- SUNY Morrisville



### Career Paths

All CTE programs correlate to many career paths.

#### ↓ **Start Here**

- Computer Support Specialist
- Computer Repair Technician

#### **Go Here** ↓

*with more education & experience*

- Systems Engineer
- Applications Developer
- Games Designer

### Explore more:

<https://www.careerzone.ny.gov/>  
<https://www.onetonline.org/find/>