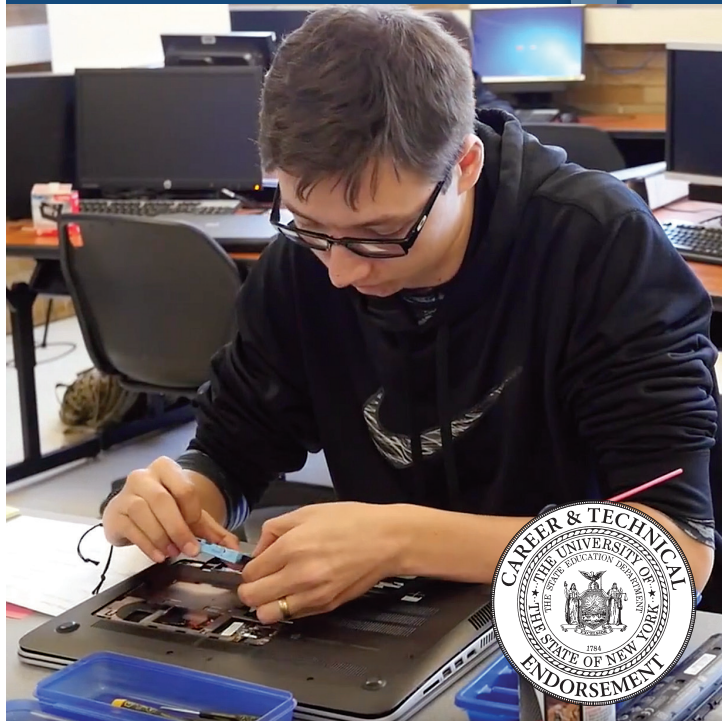## ONONDAGA-CORTLAND-MADISON BOCES
Career & Technical Education
COMPUTER TECHNOLOGY
@ *Cortlandville Campus*

PROGRAM OVERVIEW

The computer technology program is designed to prepare students for the ever-changing world of computer and information technology. Through a combination of theory and hands-on lab work, this two-year, Cisco-certified program covers the fundamentals of computer and mobile device hardware and software, and advanced concepts such as cybersecurity, networking, and the responsibilities of an IT professional. As the first step in the computer technology career path, students are afforded the opportunity to earn the industry-recognized CompTIA IT Fundamentals+ and A+ certifications. Prior to completion, students are also provided with internship experiences and the opportunity to earn a Career and Technical Education endorsement on their diploma, which they can achieve by passing industry-standard technical assessments. Students may also receive up to nine college credits.

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CAREER OPPORTUNITIES

- Repair technician
- Installation technician
- IT support specialist
- Mobile app developer*
- Hardware engineer*
- Software developer*
- Network & systems analyst*
- Cybersecurity analyst*
- Network administrator*
- Programmer*
- IT & research scientist*

* Advanced Employment – Additional training may be necessary.

AVAILABLE ACADEMIC CREDITS

- 3 CTE credits per year
- 1 science or math credit per year
- 1/2 Career & Financial Management (CFM) credit at end of program

CONTINUING EDUCATION PARTNERS

- Tompkins Cortland Community College
- Onondaga Community College
- Morrisville State College
- SUNY Canton

TOMPKINS CORTLAND COMMUNITY COLLEGE

TECHNICAL SKILLS

- Select the appropriate computer components to build, repair, or upgrade personal computers.
- Install and configure components to build, repair, or upgrade personal computers.
- Perform troubleshooting on personal computers.
- Explain how computers communicate on a network.
- Configure devices to communicate on a network.
- Explain how to troubleshoot laptops and other mobile devices.
- Install a printer to meet requirements.
- Configure virtualization and cloud computing.
- Install Windows operating systems.
- Perform management and maintenance of Windows operating systems.
- Configure, secure, and troubleshoot mobile and Linux operating systems.
- Implement basic host, data, and network security.
- Explain the roles and responsibilities of the IT professional.

INDUSTRY CERTIFICATION

- CISCO Certified Course

CISCO CERTIFIED

FOR MORE INFORMATION

For more information about the Computer Technology program, see your high school counselor or call our OCM BOCES school counselors at:

Cortlandville Campus (Cortland): 1710 NYS Route 13
(607) 758-5260

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Committed to Your Success

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