



Career & Technical Education (CTE)

IT Systems/ Cisco Networking



www.moboces.org
(315) 361-5700



★ Overview

IT Systems/Cisco Networking prepares students for careers in the field of information technology. Students learn to successfully install, maintain, and repair computer networks and hardware/software upgrades. Project management, complex problem solving, teamwork, interpersonal communication, and customer service skills are a primary focus of the program. Students apply learning to real world projects such as building a computer network, installation, troubleshooting and repair of hardware and software problems, and setting up wide area networks. Careers in IT require two and four year college degrees to be competitive in the job market.

★ Units of Study

- Virtual Private Networks
- Project Management
- Network Design
- Network Security
- Network Building and Design
- Data Management
- Networking Fundamentals
- Advanced Network Solutions
- Troubleshooting
- Network Operating Systems
- Repair and Maintenance
- Data Communications

★ Career Options

- Network Supervisor
- Network Engineer
- Systems Analyst
- Computer Network Technician
- Computer Sales Representative
- Customer Service Representative
- Computer Network Cable Installer

★ Course Credits

With the completion of the 2-year program, a student would earn a total of 7.5 credits:

- 3 Units of CTE
- 1 Unit each of English 12, Math, and Science
- 1 Unit of Government and Economics
- .5 Unit of Career and Financial Management

Eligible for NYSED's 4+1 Graduation Option

★ Class Format

Classroom instruction and daily hands-on practice



★ Features and Benefits of CTE

- **Work-Based Learning:** Internship experiences with local business partners provide students with employment connections and networking opportunities.
- **Technical Endorsement:** Students may earn a Technical Endorsement to their Regents Diploma by passing a nationally recognized industry exam.
- **Industry Credentials:** Students may gain industry credentials by earning professional certifications, licenses, and other credentials through CTE courses.

★ Leadership Opportunities through CTE

- Regional, State and National competitions
- National Technical Honor Society
- NOCTI National Accreditation
- SkillsUSA

★ College Articulations/Industry Connections

- Bryant & Stratton College
- Herkimer County Community College
- Mohawk Valley Community College
- Morrisville State College
- SUNY Canton
- CISCO (Networking)

★ More Information

Contact your guidance counselor, call our CTE office, attend an open house, or visit us online.

