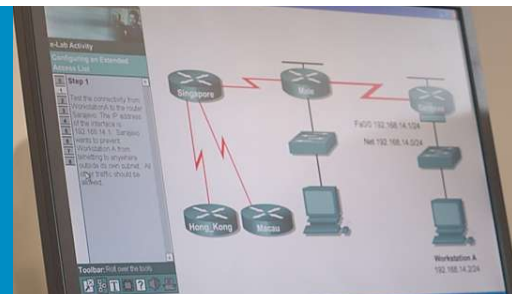


# Computer Network Engineering Tech Prep



## Program Highlights

- Routers
- Networking Devices
- Network Design
- Copper & Fiber Optic Cabling
- Operating Systems
- Software Applications
- Web Technology
- Network Security

## Special Features

- CISCO Academy
- Certified CISCO Network Associate (CCNA) Certification Preparation
- Network + Certification Preparation
- A + Certification Preparation
- Copper & Fiber Optic Cabling Certification
- Server+ Certification Preparation
- Home and Wireless Routers
- Security+ Certification Preparation
- College Tech Prep Program
- Early College Connection
- Business Professionals of America

## Career Opportunities

- Network Administrator's Assistant
- Network Installer
- Network Maintenance Technician
- Computer Technician
- Computer Operator
- Software Specialist
- Help Desk Person

## Job Outlook

This career is expected to grow faster than average through 2014. Employment opportunities will go to those with this technical training. The tremendous growth of CISCO has created a market for skilled workers who can design, install, and manage computer networks.

## Career Pathway To

- Certified CISCO Network Professional (CCNP)
- Certified CISCO Internet Expert (CCIE)
- CISCO Security Specialist
- Network Systems Administrator
- Network Engineer
- LAN / WAN Analyst
- Computer Programmer

## ADDITIONAL PROGRAM HIGHLIGHTS

### CAREER PROGRAM ARTICULATIONS

Colleges listed in this section allow selected credits earned in this career program at MVCTC to be transferable to the partner college. These credits are applied toward a degree. Number of college credits subject to change.

Sinclair Community College - 57 credits  
Sinclair Community College - 16 on line credits  
Sinclair Community College - 11 summer credits  
Edison Community College - 15 semester credits

### ORGANIZATIONAL AFFILIATIONS

This career program has affiliations with these organizations.

Business Professionals of America  
Miami Valley Tech Prep Consortium

### PROGRAM CERTIFICATIONS

This career program has the accreditations/certifications that are listed in this section.

Certified CISCO Academy

### STUDENT CERTIFICATIONS

Training in this career program may lead to accreditations/certifications that are listed in this section.

Certified CISCO Network Associate (CCNA),  
Network +, Microsoft Certified Application Specialist,  
C-Tech Certifications: Copper-Based Cabling/  
Fiber-Optic Cabling, Server +

### TEACHER ACCREDITATIONS / CERTIFICATES

This section lists any accreditations and/or certifications that one or more of the instructors of this career program possess.

Certified CISCO Network Associate (CCNA)  
Certified CISCO Academy Instructor (CCAI)



For more information contact your Guidance Counselor or:

Miami Valley Career Technology Center  
6800 Hoke Road Clayton, OH 45315-9740  
Toll Free 1 877-766-8282 or 937-854-6390  
or [www.mvctc.com](http://www.mvctc.com)



The MVCTC is dedicated to providing equal admission opportunities, equal educational opportunities, and equal employment opportunities without regard to race, religion, color, national origin, ancestry, age, sex, sexual orientation, handicap, marital status, or veteran status.

2010-2011

# Computer Network Engineering

## TECH PREP

Level 1	Level 2
Lab - Required	Lab - Required
English Students will take courses to meet the Ohio Core requirements	English Students will take courses to meet the Ohio Core requirements Dual Credit College Academic Writing & Reading Dual Credit College Writing in Academic Discourse
Math Students will take courses to meet the Ohio Core requirements	Math Students will take courses to meet the Ohio Core requirements Dual Credit College Algebra/Statistics if requirements met or Pre-Calculus Dual Credit College Pre-Calculus
Science Students will take courses to meet the Ohio Core requirements	Science Students will take courses to meet the Ohio Core requirements
	Social Studies Students will take courses to meet the Ohio Core requirements Dual Credit Economic Life

For more information about the Ohio Core, go to [www.ode.state.oh.us](http://www.ode.state.oh.us) and use the keywords search: Ohio Core. All students attending MVCTC a full day have an opportunity to earn up to eight high school credits.

### College Tech Prep:

- College Tech Prep students must have a C or better in Algebra I by the end of the junior year.
- Students enrolled in Allied Health Technologies Tech Prep, Biotechnology Tech Prep and Sports Medicine Tech Prep must have a C or better in Biology by the end of the junior year.
- College Tech Prep students must complete Algebra II before graduation.

### Dual Credit:

Dual enrollment is not PSEO. Dual Enrollment allows students the opportunity to remain on the MVCTC campus, take a college-level course during the school day and earn both high school and college credit.

Courses Subject to Change