

COMPUTER NETWORKING INSTRUCTOR: MR. PAT MULLANEY

# Computer Networking

*Communication is Key*

## Necessary Skills:

- Critical Thinking
- Active Learning
- Control Precision
- Communication
- Deductive Reasoning
- Manual Dexterity
- Complex Problem Solving
- Near Vision
- Instructing

## JOB DEMANDS

Working as a Computer Tech is not for everyone.

Computer Techs must be comfortable working with a wide variety of people and personalities when performing helpdesk functions.

Computer Techs must be able to sit, type, and view screens for long periods of time.

Technical support jobs require constant education and updating to keep pace with technology and trends.



## Keeping America Online!

Computer support specialists provide technical assistance, support, and advice to customers and other users. This occupational group includes technical support specialists and help-desk technicians. These troubleshooters interpret problems and provide technical support for hardware, software, and systems. They answer telephone calls, analyze problems by using automated diagnostic programs, and resolve recurring difficulties. Support specialists work either within a company that uses computer systems or directly for a computer hardware or software vendor. Increasingly, these specialists work for help-desk or support services firms, for which they provide computer support to clients on a contract basis.

## Work & Wages

Computer Support

Tech: \$16-25/hr

Highly skilled Computer Techs are sought by numerous employers in Southwest Pennsylvania!

Sources: bls.gov

cwds.state.pa.us

## Program of Study advantage:

By completing all of your task list and NOCTI tests, you will be eligible to receive Articulated Credits (college credit for CTC classes) toward your Associates Degree—saving you time and \$\$\$!

## Take the Right Academic Classes !

### Math

Algebra I  
Algebra II  
Geometry  
College Prep Math  
(recommended)

### English

College Prep English I  
College Prep English II  
College Prep English III  
College Prep English IV

### Science

Biology  
Chemistry  
Physics

### Humanities

Civics  
U.S. History  
World History



## Computer Systems Networking & Telecommunications

CIP #11.0901

Colleges that are participating in the Statewide Articulation Agreement for this program include:

- Butler County Community College
- Community College of Philadelphia
- Westmoreland County Community College
- Johnson College
- Clarion University of Pennsylvania
- Peirce College
- Pennsylvania Highlands Community College
- Luzerne County Community College
- Reading Area Community College
- Lehigh Carbon Community College
- Thaddeus Stevens College of Technology



### Notice of Non-Discrimination

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### Clothing Requirements:

1st year: According to school dress code

2nd year: According to school dress code

3rd year: According to school dress code

### Certifications:

CompTIA A+, CompTIA Net+

NOCTI: PA Skills Certificate: Computer Networking Fundamentals

### Student Organization:

Skills USA

Computer Networking		Task List
1st Year (360 Hours)	2nd Year (360 Hours)	3rd Year (360 Hours)
Intro to Computer Hardware (180)	Network Technologies II (60)	Network Implementation (60)
Network technologies (36)	Network Media Topology II (60)	Network Maintenance (60)
Network Media Topology Network Devices I (36)	Network Devices II (45)	Network Monitoring and Optimization (45)
Network Management I (36)	Network Management II (60)	Network Operating Systems (60)
Network Tools (36)	Network Tools II (30)	Network Operations (45)
	Network Security (45)	Network Recovery (30)
	Network Administration (30)	Upgrading a Network (30)
	Network Planning (30)	Network Vendors and Products (30)