



Cisco Certified Network Associate (CCNA)

These sections are for college credit towards a computer science degree. Networking 1,2,3,4 are four (4) credits each for \$123.00 per credit.

Overview

Are you starting your career? Or thinking of a new career? Look at the classified ads and you'll see openings for networking professionals trained to help computers communicate with one another.

Cisco Systems is the networking industry leader and offers the best training in the field. Westchester Community College is a Certified Cisco Networking Academy and our highly trained instructors are recognized experts in networking Extension. Your industry-recognized Cisco certification will show employers that you have a foundation in and an entry-level knowledge of networking, and are qualified to install, configure, and operate various networks (LAN, WAN, etc.) and dial access services for smaller networks.

This designation from Cisco, in conjunction with other training and certifications, will be your means of entry into the high paying, high demand field of certified networking and computer professionals.

Course Descriptions

Networking 1 - COMSC 118

Instruction in safety, networking terminology and protocol, network standards, LANs, WANs, OSI models cabling tools, bridges, hubs, routers, star topology, and IP addressing.

Networking 2 - COMSC 124

Hands on instruction in safety networking, networking protocols and standards, LANs, WANs, OSI models Ethernet, token ring, fiber distribution data interface TCP/IP addressing protocol, static and dynamic routing and router configuration.

Networking 3 - COMSC 128

This course builds on the students' prior knowledge of computer networks. They will study the details of network design, including: LAN switching, VLANs, LAN design, IGRP, ACLs, Novell IPX and network management. They will acquire the skills to create and maintain small to medium size networks in real-world settings. This will incorporate their knowledge of WANs, LANs, servers, security, Internet connectivity, and wiring for user counts.

Networking 4 - COMSC 132

This course builds on the students' prior knowledge of computer networks. They will study the details of network design, including: WANs, WAN design, point-to-point protocol, ISDN, frame-relay and network management. They will acquire the skills to create and maintain medium to large size networks in real-world settings. This will incorporate their knowledge of everything they have learned in the previous networking courses. They will be prepared to become certified network administrators.