

COMPUTER NETWORKING CERTIFICATES



30 Semester Hours Per Certificate

Computer Networking: Windows

This certificate prepares students for an entry-level position as a network administrator using Windows. The first half of the program introduces students to basic computer concepts and networking. During the second half of the program, students intensively study Windows operating systems and utilities including network client/server capabilities. NETW 150 and NETW 151 courses in this program prepare students to take the A+ certification exams as computer technicians. NETW 160 prepares students to take the Network+ certification exam. NETW 166 and NETW 167 prepare students to take Microsoft Certified Professional exam. Hands-on experience is emphasized throughout the entire program.

General Education Requirements

ENGL 101 Composition I	3 hrs.
Math Elective	<u>4</u>
Total	7

Core Requirements

CSCI 101 Introduction to Computer Information Science	4
NETW 150 Workstation Operating Systems	3
NETW 151 PC Hardware Maintenance & Repair	3
NETW 160 Introduction to Networks	3
NETW 162 Networking Technologies	4
NETW 166 Windows Workstation Administration	3
NETW 167 Windows Server Administration	<u>3</u>
Total	23

Computer Networking: Linux

This certificate prepares students for an entry-level position as network administrator using Linux. The first half of the program introduces students to basic computer concepts and networking. During the second half of the program, students intensively study the Linux operating system and its utilities including networking capabilities and security issues. NETW 150 and NETW 151 courses in this program prepare students to take the A+ certification exams as computer technicians. NETW 160 prepares students to take the Network+ certification exam. NETW 182 prepares students to take Linux+ certification exam. Hands-on experience is emphasized throughout the entire program.

General Education Requirements

ENGL 101 Composition I	3 hrs.
Math Elective	<u>4</u>
Total	7

Core Requirements

CSCI 101 Introduction to Computer Information Science	4
NETW 150 Workstation Operating Systems	3
NETW 151 PC Hardware Maintenance & Repair	3
NETW 160 Introduction to Networks	3
NETW 162 Networking Technologies	4
NETW 182 Linux Administration	3
NETW 183 Linux Security	<u>3</u>
Total	23

Computer Network Cisco Academy

This certificate prepares students for entry-level positions in the field of computer networking. Successful completion of this certificate results in a basic understanding of networking, routers and switches, as well as fundamental knowledge of local and wide area networking operation. The concepts covered in this certificate enable the student to develop experience in cabling, routing, IP addressing, routing protocols and network troubleshooting. Cisco Networking Academy courses NETW 121, NETW 122, NETW 123 and NETW 124 prepare students to take the Cisco Certified Network Associate exam. In addition to the CCNA

certification exam objectives, this certificate covers topics to enhance your overall understanding of the networking industry. Hands-on experience is emphasized throughout the entire program.

General Education Requirements:

ENGL 101 Composition I	3 hrs.
Math Elective	<u>4</u>
Total	7

Core Requirements:

CSCI 101 Introduction to Computer Information Science.	4
NETW 150 Workstation Operating Systems	3
NETW 151 PC Hardware Maintenance & Repair	3
NETW 121 Networking Fundamentals	3
NETW 122 Routing Protocols and Concepts	3
NETW 123 Local Area Networks	3
NETW 124 Wide Area Networks.	3
TECH 299 Internship in Technology	1-4
or	
NETW 172 Wireless Networking with Security	<u>3</u>
Total	23-27

