



INDUSTRY CERTIFICATIONS

Cisco Certified Network Professional (CCNP) Industry Certification

Total Credit Hours: 13-15

About Cisco Certified Network Professional (CCNP) Industry Certification

The courses listed below will prepare the student to take Cisco's CCNP exam. The CCNP certification indicates advanced knowledge of networks. These courses train the student to install, configure, and troubleshoot local and wide area networks for enterprise organizations with networks from 100 to more than 500 nodes. The content emphasizes topics such as security, converged networks, quality of service (QoS), virtual private networks (VPN) and broadband technologies. Coursework must be taken in sequence. After successful completion of the four professional networking courses, a student will be ready to take the Cisco CCNP exam.

[REQUIREMENTS FOR INDUSTRY CERTIFICATION](#)

Technical Requirements

Course #	Course Name	Credits
EE271	Advanced Computer Networking I	5
EE275	Advanced Computer Networking II	5
EE__	Approved EE Elective Course	3-5
Total		13-15
Total Requirements		13-15

You may also be interested in these related Programs...

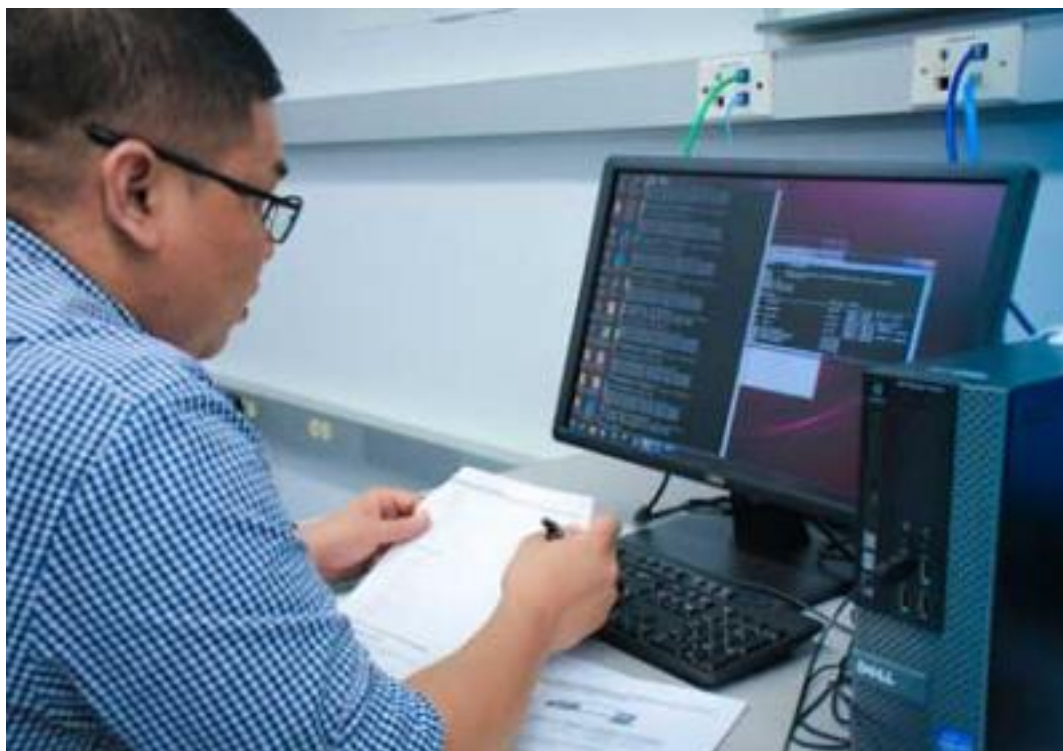


[1]

[Cisco Certified Network Associate \(CCNA\) Industry Certification](#) [1]

The courses listed below will prepare the student to take Cisco's CCNA exam. These courses prepare the student for configuration of networks using routers, switches and hubs (Local Area Network). Continuing coursework prepares the student to understand Wide Area Networks (WAN). Next, a student focuses on Network Layers, Cisco Internetwork Operating System software user interface, router configuration, startup and setup configuration sources for Cisco IOS software TCP/IP, configuration router interfaces with IP and routing protocols. Other coursework involves LAN design and implementation. Final preparatory coursework includes fundamentals of Wide Area Networks. Coursework must be taken in sequence. After successful completion of the four networking courses, a student will be ready to take the Cisco CCNA exam.

[+ More Info](#) [1]

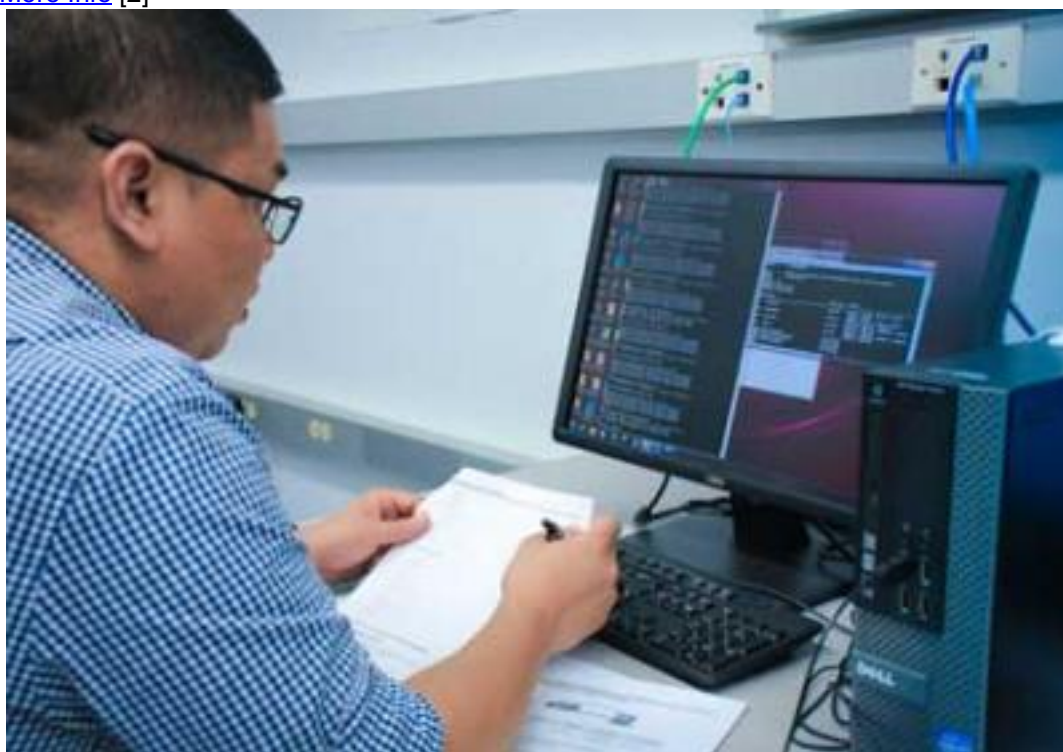


[2]

[Associate of Science in Computer Networking](#) [2]

The Associate of Science in Computer Networking is a program of study that prepares students for entry-level network technicians, computer technicians, and fiber and copper Cable Installers in the field of Information Technology (IT). Technical Requirement classes are designed to give students a firm foundation in the basics of computers, networking, and information systems. Elective courses allow the students to further specialize.

[+ More Info](#) [2]



[3]

[Associate of Science in Computer Science](#) [3]

The Associate of Science in Computer Science program will provide opportunities for students to work as

programmers who write instructions and translate them into a machine-readable language, as system analysts who design computer systems for processing information, computer operators who monitor and control computer systems and retrieve results, data entry personnel who enter information and instructions into the computers, etc. The Associate of Science in Computer Science UOG Track will provide the foundational knowledge and hands-on skills to prepare students to further their education at the University of Guam with a goal of earning a Bachelor of Science in Computer Science. Students will learn to design computer systems for processing information; work as programmers who write instructions and translate them into a machine readable language, computer operators who monitor and control computer systems and retrieve results, and data entry personnel who enter information and instructions into the computer.

[+ More Info](#) [3]