

Cisco Networking Academy™ Program Curriculum

IT Essentials Sponsored by Hewlett-Packard Company

Changing the Way People Learn

The Cisco Networking Academy Program is a comprehensive e-learning program, which provides students with the Internet technology skills essential in a global economy. The Networking Academy program delivers Web-based content, online assessment, student performance tracking, hands-on labs, instructor training and support, and preparation for industry-standard certifications.

Launched in 1997, there are over 8800 Networking Academies in 140 countries and all 50 U.S. states. Over 260,000 students are enrolled in Academies in high schools, colleges and universities, technical schools, community-based organizations, and other educational programs around the world.

The Networking Academy Curriculum

The Networking Academy curriculum gives students at educational institutions and in-transition workers in-demand Internet technology skills for designing, building and maintaining networks. Combining instructor-led, online education with hands-on laboratory exercises, the

curriculum enables students to apply what they learn in class while working on actual networks. From building a Web site to basic networking skills to VLAN troubleshooting, the Networking Academy curriculum prepares students for lifelong opportunities in the real world.

Curriculum success is rooted in the educational ecosystem that Cisco creates through its partnerships with schools and colleges, businesses, nonprofit organizations, international organizations, unions, and government agencies. This ecosystem allows the Networking Academy curriculum to feature optional courses, sponsored by IT industry leaders, in: UNIX; Java Programming; Web Design; PC Hardware and Software: Network Operating Systems; and Voice and Data Cabling.

Hewlett-Packard Company's inventive capabilities are focused on emerging technologies in areas of connected devices, Internet infrastructure, and enabling a new generation of e-services. Hewlett-Packard is partnering with the Cisco Networking Academy Program by sponsoring two, new IT Essentials courses.

IT Essentials I: PC Hardware and Software

IT Essentials PC Hardware and Software, sponsored by Hewlett-Packard Company, introduces students to information technology and data communications.

This 70-hour, hands-on, lab-oriented course stresses laboratory safety and working effectively in a group environment. Students will learn how to build a computer and install operating systems such as Windows 98 and Windows 2000.

IT Essentials I
Sponsored by
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IT Essentials I:

PC Hardware and Software Competencies

Upon successful completion of this course, students will receive a Certificate of Completion for *IT Essentials PC Hardware and Software*. Acquired competencies include:

- Building a computer and installation of the motherboard, floppy and hard drives, CD-ROM, and video cards.
- Installing and managing Windows operating systems.
- Adding peripherals and multimedia capabilities.
- Knowledge of local-area network architecture, networking protocols and the OSI Model, and TCP/IP utilities.
- Connecting the computer to a local area network and to the Internet.

IT Essentials II

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IT Essentials II:

Network Operating Systems

IT Essentials Network Operating Systems, sponsored by Hewlett-Packard Company, is an intensive introduction to multi-user, multi-tasking network operating systems. This 70-hour, hands-on, lab-oriented course overviews the characteristics of Linux and Windows NT, 2000, and XP operating systems. Students will learn about installation procedures, security issues, back up procedures, and remote access.

IT Essentials II:

Network Operating Systems Competencies

Upon successful completion of this course, students will receive a Certificate of Completion for *IT Essentials II: Network Operating Systems*. Acquired competencies include:

- Installation procedures for Linux and Windows 2000
- Tactics for networking operating system security.
- Knowledge of network types, standards, protocols, topologies, media types, and devices.

- Operating systems backup and remote access.
- Network operating system management and optimization skills.

Industry-recognized Certification

IT Essentials I: PC Hardware and Software prepares students for the CompTIA A+ certification exam. Additionally, *IT Essentials II: Network Operating Systems*, along with *IT Essentials I*, will help prepare students for the CompTIA Server+ certification exam.

Comprehensive Internet Skills For Economic Growth

According to a May 2002 ITAA report, indicates that there will be a demand for more than 1.1 million new IT jobs in the next year with almost 600,000 jobs going unfilled due to a lack of qualified workers. The report also found that the five hottest, most in demand jobs now and in the future are technical support, network design and administration, programming and software engineering, web development, and database development and administration. Moreover, a recent study conducted by Fairfield Research, Inc. and *Certification Magazine* on the correlation between industry certifications and earning power shows that, "the more certifications the IT professional has, the more he or she tends to get paid." (*Certification Magazine*, "CertMag's Salary Survey," by Gary Gabelhouse, December, 2001.)

The *IT Essentials I: PC Hardware and Software* and *IT Essentials II: Networking Operating Systems* expand and strengthen the Cisco Networking Academy curriculum, which prepares students for industry standard, as well as vendor neutral, certifications. These include Cisco Certified Network Associate (CCNA™); Cisco Certified Network Professional (CCNP™); Network+, Server+ and Linux+ certifications, administered by CompTIA, Sun Certified Programmer for Java 2 Platform and Certified Web Design Apprentice administered by The World Organization of Webmasters (WOW). Bottom line—the Networking Academy curriculum enriches the skill set required to succeed in a changing economy.

Visit the following Web sites for more information on:

Cisco Networking Academy Program
www.cisco.com/edu/academy

Locating a Networking Academy
www.cisco.com/edu/academylocator

Cisco Workplace Learning Initiatives
wpl.netacad.net



Corporate Headquarters
Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-1706
USA
www.cisco.com
Tel: 408 526-4000
800 553-NETS (6387)
Fax: 408 526-4100

European Headquarters
Cisco Systems Europe
11, Rue Camille Desmoulins
92782 Issy-les-Moulineaux
Cedex 9
France
www.cisco.com
Tel: 33 1 58 04 60 00
Fax: 33 1 58 04 61 00

Americas Headquarters
Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-1706
USA
www.cisco.com
Tel: 408 526-7660
Fax: 408 527-0883

Asia Pacific Headquarters
Cisco Systems Australia, Pty., Ltd.
Level 9, 80 Pacific Highway
P.O. Box 469
North Sydney
NSW 2060 Australia
www.cisco.com
Tel: +61 2 8448 7100
Fax: +61 2 9957 4350