The Cisco® Networking Academy® Program teaches valuable networking and IT skills to students and workers worldwide who are interested in expanding their IT knowledge or starting a career in the technology industry. The Networking Academy program also fosters local economic growth by providing innovative IT curricula, as well as instructor development and support, to help produce a skilled workforce.

Changing the Way People Learn

More than two million students have successfully completed Networking Academy program courses in high schools, colleges, universities, technical institutions, military schools, and community-based organizations around the world. The courses use a blended learning model to integrate face-to-face teaching with challenging online curricula, hands-on lab exercises, realistic network simulations, and an Internet-based assessment tool.

Since its launch in 1997, the Networking Academy program has reached more than 11,000 educational institutions in more than 165 countries, with courses taught in nine languages. This industry-leading program provides an educational framework that prepares graduates for networking and IT-related careers in the public and private sectors, as well as for higher education in engineering, computer science, and related fields.

Fundamentals of Wireless LANs

As organizations increasingly depend on wireless technologies in their everyday practices, the Fundamentals of Wireless LANs course teaches students to develop, implement, and troubleshoot wireless networks. This 70-hour, hands-on, skills-based course focuses on the design, planning, implementation, operation, and troubleshooting of wireless networks. It includes a comprehensive overview of technologies, security, and design best practices. Students who successfully complete this course will be able to demonstrate the following competencies:

• Design a logical wireless LAN architecture for mobile wireless users in compliance with IEEE 802.11 standards.
• Demonstrate knowledge of the theory regarding the most common factors that influence WLANs (including EM spectrum, radio wave propagation, modulation techniques, and frequency and channel usage in wireless technologies).
• Install internal and building-to-building WLANs with Cisco devices and appropriate antennas that meet mobility and throughput specifications, including the site survey and documentation.
• Perform hardware setup and software configuration of Cisco Aironet® wireless products, including security using Wired Equivalency Privacy (WEP), Cisco LEAP, and 802.1x protocols.
• Upgrade wireless products and troubleshoot performance issues using event logging, command-line utilities, and diagnostic tools.

The Fundamentals of Wireless LANs course advances students on a career path toward many occupations such as systems engineer, product support engineer, and systems integrator. This course also helps to prepare students for electrical engineering or computer and management information systems degree programs.

Industry-Renowned Certifications

Successful completion of the Fundamentals of Wireless LANs course helps students achieve the Cisco Wireless LAN Support Specialist (WLANSE) designation.
The Cisco Networking Academy Program prepares students for industry-standard certifications as well as vendor-neutral certifications. These include the Cisco CCNA® certification, the Cisco CCNP® certification, Cisco Firewall Specialist, the A+ and Linux certifications administered by CompTIA, and Sun-certified Programmer for Java 2 Platform.

The Networking Academy Program Curricula
At each Networking Academy, certified instructors deliver standards-based, high-quality curricula in specially-equipped labs, where students practice on standard equipment that enables them to apply what they learn. The curriculum is regularly updated with information about new technologies and improved instructional techniques. From basic networking skills to VLAN troubleshooting, the Networking Academy program courses prepares students for lifelong opportunities in the real world.

Networking Academies offer a range of courses for a variety of careers in network design and administration, technical support, programming or software engineering, and database development and administration. The associate-level CCNA course covers the basic foundations of networking and promotes each student’s expertise in this area. The professional-level CCNP course builds on the CCNA curriculum with more complex network configurations, network diagnosis, and troubleshooting.

The Network Security course teaches students to design and implement security solutions to reduce the risk of revenue loss and vulnerability.

For More Information
Cisco Networking Academy Program
www.cisco.com/go/netacad
Course Catalog
www.cisco.com/edu/courses
Locate a Networking Academy
www.cisco.com/edu/locate