IT Essentials 6.0

The Internet is changing life as we know it—bringing new opportunities to communities throughout the world, and increasing the global demand for information technology (IT) skills. Innovations such as social networking, cloud computing, and mobile devices are changing the way we live, work, play, and learn. These innovations are all powered by networks, and there is a shortage of qualified IT candidates to design, install, and manage these networks.

IT Essentials

The Cisco Networking Academy® IT Essentials curriculum provides an introduction to the technical skills needed to help meet the growing demand for entry-level IT professionals. The curriculum covers the basics of computers, mobile device hardware, and software, while introducing advanced security and networking concepts and the responsibilities of an IT professional.

The curriculum offers the following features and benefits:

- Students develop working knowledge of how computers operate, how to assemble computers, and how to troubleshoot hardware and software issues.
- Updated relevant curriculum and labs are delivered in the Cisco Networking Academy learning environment and include new topics such as data centers and cloud computing.
- Expanded coverage on mobile device hardware and software configuration, plus diagnostics and common security threats and vulnerabilities like malware, phishing, spoofing and social engineering.

- Emphasis on the practical application of skills and procedures needed for hardware and software installations, upgrades, and troubleshooting.
- Cisco® Packet Tracer simulation-based learning activities promote the exploration of networking and network security concepts, while allowing students to experiment with network behavior.
- Online assessments provide immediate feedback to support the evaluation of knowledge and acquired skills.
- The course helps students develop the career skills needed to successful communicate within an IT business environment and interact with customers.

Who Should Enroll	Prerequisites
• Students seeking career-oriented, entry-level computer hardware, software, and networking skills • Students wanting to gain fundamental computer and mobile device hardware, software configuration and troubleshooting skills • Students who want to prepare for the CompTIA A+ certification exams	None ITE is an entry-level course

Course Description

The Cisco IT Essentials (ITE) curriculum offers a hands-on, career-oriented learning experience with an emphasis on practical activities to help students develop fundamental computer and career skills. IT Essentials helps students prepare for entry-level IT career opportunities and the CompTIA A+ certification, which helps students differentiate themselves in the marketplace and advance their careers.

Some examples of working environments and jobs that may be available to students after completing this course are:

- A corporate or mobile environment with a high level of face-to-face client interaction. Job titles include enterprise technician, IT administrator, field service technician, and PC technician.
- A remote-based work environment that emphasizes client interaction, client training, operating systems, and connectivity issues. Job titles include remote support technician, help desk technician or IT specialist.

- Settings with limited customer interaction where hardware-related activities are emphasized. Job titles include depot technician and bench technician.

In addition, ITE provides a learning pathway to the Cisco CCNA® curricula. IT Essentials can be delivered as an independent curriculum or integrated into a broader course of study, such as technology or continuing education programs.

Students Will Be Able to Perform the Following Tasks After Completing the Course
• Select the appropriate computer components to build, repair, or upgrade personal computers
• Explain how to correctly use tools and safely work in a lab
• Install components to build, repair, or upgrade personal computers
• Explain how to perform preventive maintenance and troubleshooting on personal computers
• Install Windows operation systems
• Perform management and maintenance of Windows operating systems
• Configure computers to communicate on a network
• Configure devices to connect to the Internet and Cloud services
• Explain how to use, configure, and manage laptops and mobile devices
• Explain how to configure, secure and troubleshoot mobile, OS X, and Linux operating systems
• Install and share a printer to meet requirements
• Implement basic host, data, and network security
• Explain the roles and responsibilities of the IT professional.
• Troubleshoot advanced hardware and software problems.

Cisco Networking Academy

In partnership with schools and organizations around the world, the Cisco Networking Academy program delivers a comprehensive learning experience to help students develop IT skills for career opportunities, continuing education, and globally recognized career certifications.

For More Information

Learn more about Cisco Networking Academy by visiting www. netacad.com.