IT Essentials 7

The Internet is changing life as we know it and bringing new opportunities to communities throughout the world, increasing the global demand for information and communication technology (ICT) skills. Innovations such as social networking, cloud computing, virtualization 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 ICT 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 ICT 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 ICT 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 virtualization and cloud computing.
- Expanded coverage on mobile device hardware and software configuration, plus diagnostics and common security threats and vulnerabilities.

- 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 ICT 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	There are no prerequisites for this 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 ICT career opportunities and the CompTIA A+ certification.

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

- 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.
• Install and configure components to build, repair, or upgrade personal computers.
• Perform troubleshooting on personal computers.
• Explain how computers communicate on a network.
• Configure devices to communicate on a network.
• Explain how to troubleshoot laptops and other mobile devices.
• Install a printer to meet requirements.
• Describe virtualization and cloud computing.
• Install Windows operating systems.
• Perform management and maintenance of Windows operating systems.
• Explain how to configure, secure, and troubleshoot mobile, MacOS, and Linux operating systems.
• Implement basic host, data, and network security.
• Explain the roles and responsibilities of the IT Professional.

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 ICT skills for career opportunities, continuing education, and globally recognized career certifications.

For More Information

To learn more about Cisco Networking Academy, visit www.netacad.com