A+
CompTIA Certification

Duration: 5 days
Price: $4000
Certifications: CompTIA A+
Exams: 220-801
        220-802

Course Overview

In this course, you will acquire the essential skills and information you will need to install, upgrade, repair, configure, troubleshoot, optimize, and perform preventative maintenance of basic personal computer hardware and operating systems.

Target Audience

If you are getting ready for a career as an entry-level information technology (IT) professional or personal computer (PC) service technician, the CompTIA® A+® Certification course is the first step in your preparation.

Course Objectives

This course provides the background knowledge and skills you will require to be a successful A+ technician. It can also assist you if you are preparing to take the CompTIA A+ certification examinations, 2012 objectives (exam numbers 220-801, 220-802), in order to become a CompTIA A+ Certified Professional.

Spectrum Trainings FZ LLC

Egypt Office:
10, 278th Street, Maadi, Cairo
11435, Cairo, Egypt

UAE Office:
Post Box - 500397
F 48, Level 1, Block 2A Knowledge Village, Dubai,
United Arab Emirates

KSA Office:
Office No. 4054, 2nd Floor, Olaya Avenue Mall,
King Fahad Road North Kingdom Tower
Riyadh, KSA

Course Outline

Lesson 1: Hardware Fundamentals

- Computer System Components
- Storage Devices
- Device Connections and Interfaces

Lesson 2: Operating System Fundamentals

- Personal Computer Operating Systems
- Windows Control Panel Utilities
- Command Line Tools
- Windows Security Settings
- Windows Operating System Tools

Lesson 3: Operational Procedures

- Basic Maintenance Tools and Techniques
- Electrical Safety
- Environmental Safety and Materials Handling
- Professionalism and Communication

Lesson 4: Peripheral Components

- Install and Configure Display Devices
- Install and Configure Input Devices
- Install and Configure Expansion Cards
- Install and Configure Multimedia Devices

Lesson 5: Managing System Components

- Motherboards
- CPUs and Cooling Systems
- Select and Install Power Supplies
- RAM Types and Features
- Install and Configure Storage Devices
- Configure the System BIOS

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Lesson 6: Installing and Configuring Operating Systems

- Implement Virtualization
- Install Microsoft Windows
- Windows Upgrades
- Windows Preventive Maintenance

Lesson 7: Customized Client Environments

- Standard Clients
- Custom Client Environments

Lesson 8: Networking Technologies

- Physical Network Connections
- TCP/IP
- Network Connectivity
- Ports and Protocols
- Set Up and Configure Windows Networking
- Networking Tools

Lesson 9: Installing, Configuring, and Maintaining SOHO Networks

- Install and Configure SOHO Networks
- SOHO Network Security

Lesson 10: Supporting Laptops

- Laptop Hardware and Components
- Install and Configure Laptop Hardware Components

Lesson 11: Mobile Computing

- Mobile Device Technologies
- Configure Mobile Devices

Lesson 12: Supporting Printers

- Printer Technologies
- Install, Configure, and Maintain Printers

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Lesson 13: Security

- Security Fundamentals
- Security Threats and Vulnerabilities
- Security Protection Measures
- Workstation Security

Lesson 14: Troubleshooting Hardware Components

- Troubleshooting Theory
- Troubleshoot Video and Display Devices
- Troubleshoot Hard Drives and RAID Arrays
- Troubleshoot System Components
- Troubleshoot Laptops
- Troubleshoot Printers

Lesson 15: Troubleshooting System-Wide Issues

- Troubleshoot Operating Systems
- Troubleshoot Wired and Wireless Networks
- Troubleshoot Common Security Issues

Prerequisites

- End-user skills with Windows-based PCs
- Basic knowledge of computing concepts

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