

A+ Certification - Essentials (2009 Objectives)

Days of Training: 5

Overview

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

Lesson 1: Personal Computer Components

- Personal Computer Components
- System Unit Components
- Storage Devices
- Personal Computer Connection Methods

Lesson 2: Operating System Fundamentals

- Personal Computer Operating Systems
- Windows User Interface Components
- Windows File System Management
- Windows System Management Tools

Lesson 3: PC Technician Professional Best Practices

- Tools of the Trade
- Electrical Safety
- Environmental Safety and Materials Handling
- Perform Preventative Maintenance
- Diagnostics and Troubleshooting
- Professionalism and Communication

Lesson 4: Installing and Configuring Peripheral Components

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

Lesson 5: Examining System Components

- Storage Devices and Backup Media
- Power Supplies
- Memory
- CPUs and Cooling System Units
- System Boards

Lesson 6: Maintaining and Troubleshooting Peripheral Components

- Troubleshoot Display Devices
- Maintain and Troubleshoot Input Devices
- Troubleshoot Multimedia Devices

Lesson 7: System Component Troubleshooting Techniques

- Adapter Card Troubleshooting
- Storage Device Troubleshooting
- Power Supply Troubleshooting
- Memory Troubleshooting
- CPU and Cooling System Troubleshooting
- System Board Troubleshooting

Lesson 8: Installing and Configuring Operating Systems

- Install Microsoft Windows
- Upgrade Windows
- Add Devices to Windows
- Optimize Windows

Lesson 9: Maintaining and Troubleshooting Microsoft Windows

- Operating System Utilities
- Back up Microsoft Windows
- Troubleshoot Microsoft Windows
- Microsoft Windows System Recovery Methods

Lesson 10: Network Technologies

- Network Concepts
- Network Communications
- Network Connectivity
- Internet Technologies
- Create Network Connections

Lesson 11: Supporting Laptops and Portable Computing Devices

- Laptop and Portable Computing Device Components
- Install and Configure Laptops and Portable Computing Devices
- Maintain and Troubleshoot Laptop and Portable Computing Devices

Lesson 12: Supporting Printers

- Printer Technologies
- Printer Components
- Printer Processes
- Install and Configure Printers
- Maintain and Troubleshoot Printers

Lesson 13: Personal Computer Security Concepts

- Security Fundamentals
- Security Protection Measures
- Wireless Security
- Social Engineering
- Maintain and Troubleshoot Security Measures

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