



HEROTEC

NETWORK PROFESSIONAL TRAINING

CompTIA A+

Related Certificate	CompTIA
Course ID	A+
Exam ID	220-801
Hours	40

NE

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.

Objectives:

- Install, upgrade, repair, configure, optimize, troubleshoot, and perform preventative maintenance on basic personal computer hardware and operating systems.

Outlines:

- **LESSON 1: PERSONAL COMPUTER COMPONENTS**
 1. Personal Computer Components
 2. System Unit Components
 3. Storage Devices
 4. Personal Computer Connection Methods
- **LESSON 2: OPERATING SYSTEM FUNDAMENTALS**
 1. Personal Computer Operating Systems
 2. Windows User Interface Components
 3. Windows File System Management
 4. Windows System Management Tools
- **LESSON 3: PC TECHNICIAN PROFESSIONAL BEST PRACTICES**
 1. Tools of the Trade
 2. Electrical Safety
 3. Environmental Safety and Materials Handling
 4. Perform Preventative Maintenance
 5. Diagnostics and Troubleshooting
 6. Professionalism and Communication
- **LESSON 4: INSTALLING AND CONFIGURING PERIPHERAL COMPONENTS**
 1. Install and Configure Display Devices
 2. Install and Configure Input Devices
 3. Install and Configure Adapter Cards
 4. Install and Configure Multimedia Devices
- **LESSON 5: INSTALLING AND CONFIGURING SYSTEM COMPONENTS**
 1. Install and Configure Storage Devices
 2. Install and Configure Power Supplies
 3. Install and Configure Memory
 4. Install and Configure CPUs
 5. Install and Configure System Boards
- **LESSON 6: MAINTAINING AND TROUBLESHOOTING PERIPHERAL COMPONENTS**
 1. Troubleshoot Display Devices

2. Maintain and Troubleshoot Input Devices
3. Troubleshoot Adapter Cards
4. Troubleshoot Multimedia Devices

- **LESSON 7: TROUBLESHOOTING SYSTEM COMPONENTS**

1. Troubleshoot Storage Devices
2. Troubleshoot Power Supplies
3. Troubleshoot Memory
4. Troubleshoot CPUs
5. Troubleshoot System Boards

- **LESSON 8: INSTALLING AND CONFIGURING OPERATING SYSTEMS**

1. Install Microsoft Windows
2. Upgrade Windows
3. Add Devices to Windows
4. Optimize Windows

- **LESSON 9: MAINTAINING AND TROUBLESHOOTING MICROSOFT WINDOWS**

1. Operating System Utilities
2. Maintain Microsoft Windows
3. Troubleshoot Microsoft Windows
4. Recover Microsoft Windows

- **LESSON 10: NETWORK TECHNOLOGIES**

1. Network Concepts
2. Network Communications
3. Network Connectivity
4. Internet Technologies

- **LESSON 11: INSTALLING AND MANAGING NETWORK CONNECTIONS**

1. Create Network Connections
2. Install and Configure Web Browsers
3. Maintain and Troubleshoot Network Connections

- **LESSON 12: SUPPORTING LAPTOPS AND PORTABLE COMPUTING DEVICES**

1. Laptop and Portable Computing Device Components
2. Install and Configure Laptops and Portable Computing Devices
3. Maintain and Troubleshoot Laptops and Portable Computing Devices

- **LESSON 13: SUPPORTING PRINTERS AND SCANNERS**

1. Printer and Scanner Technologies
2. Printer and Scanner Components
3. Printer and Scanner Processes
4. Install and Configure Printers and Scanners
5. Maintain and Troubleshoot Printers and Scanners

- **LESSON 14: PERSONAL COMPUTER SECURITY CONCEPTS**

1. Security Fundamentals
2. Security Protection Measures

3. Data and Physical Security

4. Wireless Security

5. Social Engineering

- **LESSON 15: SUPPORTING PERSONAL COMPUTER SECURITY**

1. Install and Configure Security Measures

2. Maintain and Troubleshoot Security Measures

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