Professor Messer’s CompTIA 220-1001 and 220-1002 A+ Training Course

# CompTIA 220-1001 A+ Training Videos

## Section 0: An Overview of the A+ Certification

### 0.1 – An Overview of A+

#### How to Pass Your 220-1001 and 220-1002 CompTIA A+ Exams (13:37)

## Section 1: Mobile Devices

### 1.1 – Laptop Hardware

#### Laptop Hardware (19:19)

### 1.2 – Laptop Displays

#### Laptop Displays (7:03)

### 1.3 – Laptop Features

#### Laptop Features (9:14)

### 1.4 – Mobile Devices

#### Mobile Devices (5:00)

### 1.5 – Mobile Device Accessories

#### Mobile Device Connections (6:27)

#### Mobile Device Accessories (5:09)

### 1.6 – Mobile Device Connectivity

#### Mobile Device Connectivity (7:26)

#### Configuring Email on Mobile Devices (7:00)

### 1.7 – Mobile Device Synchronization

#### Mobile Device Synchronization (5:15)

## Section 2: Networking

### 2.1 – Ports and Protocols

#### Introduction to IP (12:09)

#### Common Network Ports (9:53)

### 2.2 – Network Devices

#### Network Devices (17:30)

### 2.3 – SOHO Networks

#### Installing a SOHO Network (6:09)

#### Configuring a SOHO Firewall (10:04)

### 2.4 – Wireless Networks

#### 802.11 Wireless Standards (6:01)

#### Wireless Network Technologies (7:16)

#### Cellular Network Technologies (2:33)

### 2.5 – Network Services

#### Network Services (10:55)

### 2.6 – Network Configurations

#### An Overview of IPv4 and IPv6 (5:51)

#### Assigning IP Addresses (7:19)

#### Using IP Addresses (6:32)

### 2.7 – Internet Connections

#### Internet Connection Types (9:11)

#### Network Types (4:51)

### 2.8 – Network Tools

#### Network Tools (10:46)

## Section 3: Hardware

### 3.1 – Cables and Adapters

#### Copper Network Cables (12:43)

#### Fiber Network Cables (3:29)

#### Video Cables (6:19)

#### Multipurpose Cables (6:58)

#### SATA Drive Cables (2:33)

#### PATA Drive Cables (3:50)

#### SCSI Drive Cables (6:31)

#### Adapters and Converters (2:54)

### 3.2 – Connectors

#### Connectors (8:41)

### 3.3 – Memory

#### Overview of Memory (7:51)

#### Memory Technologies (5:31)

### 3.4 – Storage

#### Storage Devices (9:22)

#### RAID (7:20)

### 3.5 – Motherboards, CPUs, and Add-on Cards

#### Motherboard Form Factors (6:58)

#### Motherboard Expansion Slots (11:46)

#### Motherboard Connectors (6:42)

#### BIOS (5:26)

#### BIOS Options (7:32)

#### BIOS Security (4:13)

#### Installing BIOS Upgrades (5:12)

#### CPU Features (10:03)

#### CPU Cooling (6:48)

#### Expansion Cards (4:55)

### 3.6 – Peripherals

#### Peripherals (12:35)

### 3.7 – Power

#### Computer Power (12:31)

### 3.8 – Custom PCs

#### Custom Computer Systems (6:00)

### 3.9 – Common Devices

#### Common Devices (5:40)

### 3.10 – SOHO Multifunction Devices

#### SOHO Multifunction Devices (10:31)

### 3.11 – Print Technologies

#### Laser Printers (10:06)

#### Laser Printer Maintenance (4:38)

#### Inkjet Printers (4:56)

#### Inkjet Printer Maintenance (3:27)

#### Thermal Printers (2:49)

#### Thermal Printer Maintenance (2:34)

#### Impact Printers (4:37)

#### Impact Printer Maintenance (3:04)

#### Virtual and 3D Printers (5:17)

## Section 4: Virtualization and Cloud Computing

### 4.1 – Cloud Computing

#### Cloud Models (8:59)

#### Cloud Services (6:12)

### 4.2 – Client-side Virtualization

#### Client-side Virtualization (6:59)

## Section 5: Hardware and Network Troubleshooting

### 5.1 – Troubleshooting

#### How to Troubleshoot (11:08)

### 5.2 – Troubleshooting Computer Hardware

#### Troubleshooting Common Hardware Problems (18:18)

### 5.3 – Troubleshooting Storage

#### Troubleshooting Hard Drives (6:44)

### 5.4 – Troubleshooting Displays

#### Troubleshooting Video and Display Issues (7:12)

### 5.5 – Troubleshooting Mobile Devices

#### Troubleshooting Laptops (7:28)

#### Troubleshooting Mobile Devices (9:11)

#### Device Disassembly Best Practices (4:00)

### 5.6 – Troubleshooting Printers

#### Troubleshooting Printers (10:08)

### 5.7 – Troubleshooting Networks

#### Troubleshooting Networks (9:52)

# CompTIA 220-1002 A+ Training Videos

## Section 1: Operating Systems

### 1.1 – Operating Systems

#### Operating Systems Overview (14:16)

### 1.2 – Microsoft Windows

#### An Overview of Windows 7 (5:47)

#### An Overview of Windows 8 and 8.1 (4:55)

#### An Overview of Windows 10 (5:53)

#### Windows in the Enterprise (4:23)

### 1.3 – Installing Operating Systems

#### Installing Operating Systems (19:07)

#### Installing and Upgrading Windows (9:51)

### 1.4 – The Windows Command Line

#### Microsoft Command Line Tools (23:22)

#### Network Command Line Tools (22:06)

### 1.5 – Windows Features

#### Windows Administrative Tools (18:10)

#### Windows Firewall with Advanced Security (5:26)

#### System Configuration (4:05)

#### Task Manager (4:34)

#### Disk Management (9:03)

#### System Utilities (16:51)

### 1.6 – Windows Control Panel

#### The Windows Control Panel (13:42)

### 1.7 – Installation Concepts

#### Installing Applications (5:12)

### 1.8 – Windows Networking

#### HomeGroups, Workgroups, and Domains (5:58)

#### Windows Network Technologies (8:04)

#### Establishing Windows Network Connections (6:12)

#### Configuring Windows Firewall (4:02)

#### Windows IP Address Configuration (5:28)

#### Network Adapter Properties (5:55)

### 1.9 – macOS and Linux

#### Best Practices for macOS (3:54)

#### macOS Tools (4:42)

#### macOS Features (6:34)

#### Best Practices for Linux (3:56)

#### Linux Tools (3:19)

#### Basic Linux Commands (24:23)

## Section 2: Security

### 2.1 – Physical Security

#### Physical Security (8:36)

### 2.2 – Logical Security

#### Logical Security (25:23)

### 2.3 – Wireless Security

#### Wireless Security (7:16)

### 2.4 – Malware

#### Types of Malware (12:42)

#### Anti-Malware Tools (6:15)

### 2.5 – Security Threats

#### Social Engineering Attacks (9:59)

#### Denial of Service (4:02)

#### Zero-day Attacks (3:39)

#### Man-in-the-Middle (4:08)

#### Brute Force Attacks (4:30)

#### Spoofing (3:12)

#### Non-compliant Systems (2:02)

### 2.6 – Windows Security

#### Windows Security Settings (9:03)

### 2.7 – Workstation Security

#### Workstation Security Best Practices (10:45)

### 2.8 – Mobile Device Security

#### Securing Mobile Devices (8:39)

### 2.9 – Data Destruction and Disposal

#### Data Destruction and Disposal (4:24)

### 2.10 – SOHO Network Security

#### Securing a SOHO Network (13:12)

## Section 3: Software Troubleshooting

### 3.1 – Troubleshooting Windows

#### Troubleshooting Windows (15:26)

#### Troubleshooting Solutions (18:17)

### 3.2 – Troubleshooting Security Issues

#### Troubleshooting Security Issues (8:24)

### 3.3 – Malware Removal

#### Removing Malware (8:28)

### 3.4 – Troubleshooting Mobile Applications

#### Troubleshooting Mobile Apps (10:48)

### 3.5 – Troubleshooting Mobile Device Security

#### Troubleshooting Mobile Device Security (6:12)

## Section 4: Operational Procedures

### 4.1 – Documentation

#### Documentation Best Practices (6:40)

### 4.2 – Change Management

#### Change Management (8:14)

### 4.3 – Disaster Recovery

#### Disaster Recovery (8:04)

### 4.4 – Safety Procedures

#### Safety Procedures (6:04)

#### Managing Electrostatic Discharge (4:21)

### 4.5 – Environmental Impacts

#### Environmental Impacts (7:02)

### 4.6 – Privacy, Licensing, and Policies

#### Privacy, Licensing, and Policies (7:39)

### 4.7 – Communication and Professionalism

#### Communication (6:35)

#### Professionalism (5:58)

### 4.8 – Scripting

#### Scripting (8:47)

### 4.9 – Remote Access

#### Remote Access Technologies (4:06)