

CompTIA A+ Core 1 (220-1201) V15 Training (16 Hours)

Course Overview

The CompTIA A+ Core 1 (220-1201) V15 course focuses on the equipment side of modern support work. Covering key areas such as Mobile Devices, Networking, Hardware, Virtualization & Cloud Computing, and Hardware/Network Troubleshooting, the course equips learners with a broad set of skills. Participants gain insights into devices like laptops, mobile phones, and IoT equipment, understand how to network and configure components, explore virtual and cloud environments, and apply troubleshooting methodologies to maintain effective operations. Mastery of these domains prepares you for the 90-question Core 1 exam, where a passing score (675/900) fulfills one of two requirements for achieving full CompTIA A+ certification.

Audience Profile

This course is appropriate for computer technicians, IT support staff, and help desk professionals with 6 to 12 months of hands-on experience. It will also help prepare professionals seeking CompTIA A+ certification (220-1201/220-1202).

Prerequisites

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

Course Outline

Mobile Device

- Laptop hardware and components
- Mobile device displays
- Accessories and ports
- Network connectivity and application support

Networking

- TCP and UDP ports, protocols, and purposes
- Wireless networking technologies
- Networked host services
- Network configuration concepts
- Networking hardware devices
- SOHO network setup
- Internet connection types and network types
- Networking tools and purposes

Hardware

- Display components and attributes
- Cable types, connectors, and purposes – summary
- RAM characteristics
- Storage devices
- Motherboard, CPU, and add-on card installation
- Power supply installation
- Multifunction device and printer setup
- Printer maintenance

Virtualization and Cloud Computing

- Cloud computing concepts
- Client-side virtualization

Hardware and Network Troubleshooting

- Motherboard, RAM, CPU, and power troubleshooting
- Drive and RAID troubleshooting
- Video, projector, and display troubleshooting
- Mobile device troubleshooting
- Network troubleshooting
- Printer troubleshooting