CompTIA A+ (220-1101) Training (18 Hours)

Course Description

This online instructor led training course provides the knowledge necessary to support basic computer hardware and operating systems in today's business world.

In this course students will learn best practices in troubleshooting, networking and security across a variety of device types in order to support their organization and set the stage for their own IT careers.

StormWind's two part CompTIA A+ course covers the hardware and software objectives students must master in order to pass the 220-1101 exam and the 220-1102 exam, both of which are required to achieve the CompTIA A+ Certification. The A+ Certification is part of specialized certification tracks for corporations such as Microsoft, Hewlett-Packard, and Cisco. Many technology companies have made CompTIA A+ certification mandatory for their service technicians.

Skills Learned

After completing this online training course, students will be able to:
- Configure, network, synchronize, and troubleshoot of mobile devices
- Better understanding of networking and wireless networking protocols
- Contrast Transmission Control Protocol (TCP) and User Datagram Protocol (UDP) ports, protocols, and their purposes
- Configure and support PC, mobile and IoT device hardware, including components, connectors and peripherals
- Cloud computing and client-side virtualization fundamentals

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 (220-1101/220-1102).

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

    Transmission control protocol (TCP)/User datagram protocol (UDP) ports

    Network hardware

    Wireless networking

    Network host services

    Small office/home office (SOHO) network

Hardware

    Cable types and connectors

    Installing RAM

    Installing storage devices

    Installing motherboards, processors, and add-on cards

    Replacing power supplies

    Multifunction devices/printers

    Printer consumables

Virtualization and Cloud Computing

    Cloud computing concepts

    Client-side virtualization

Hardware and Network Troubleshooting

    Best practice troubleshooting methodology

    Troubleshoot motherboards, RAM, CPU, and power

    Troubleshoot storage drives and RAID arrays

    Troubleshoot video, projector, and display issues

    Troubleshoot mobile devices

    Troubleshoot printers

    Troubleshoot wired and wireless networks