COMPTIA A+ CORE 1

Duration	Delivery Method	Level
5 days	Online / Instructor Led	Foundation

Introduction:

Course Code: CO-AA+I

The Official CompTIA® A+® Core 1 course provides the background knowledge and skills students will require to become successful A+ technicians. It will help students prepare to take the CompTIA A+ Core 1 certification examination (exam number 220-1101), which counts as a credit to attaining the CompTIA A+ certification. CompTIA A+ certified professionals are proven problem solvers. They support today's core technologies from security to cloud to data management and more. CompTIA A+ is the industry standard for launching IT careers into today's digital world. It is the only industry recognized credential with performance-based items to prove pros can think on their feet to perform critical IT support tasks in the moment. It is trusted by employers around the world to identify the go-to person in end point management and technical support roles.

Audience profile:

This course is designed for individuals who have basic computer user skills and who are interested in obtaining a job as an entry-level IT technician. This course is also designed for students who are seeking the CompTIA A+ certification and who want to prepare for the CompTIA A+ Core 1 (220-1101) Certification Exam.

Pre-requisites:

To ensure your success in this course, students should have experience with basic computer user skills, be able to complete tasks in a Microsoft® Windows®

environment, be able to search for, browse, and access information on the Internet, and have basic knowledge of computing concepts. Students can obtain this level of skills and knowledge by taking the following official

CompTIA courses: The Official CompTIA® IT Fundamentals+ (Exam FC0-U61)

Course objectives:

In this course, students will install, configure, optimize, troubleshoot, repair, upgrade, and perform preventive maintenance on personal computers, digital devices, and operating systems. Furthermore, students will:

- Support operating systems
- Install and configure PC system unit components and peripheral devices
- Install, configure, and troubleshoot display and multimedia devices
- Install, configure, and troubleshoot storage devices
- Install, configure, and troubleshoot internal system components
- Install, configure, and maintain operating systems
- Maintain and troubleshoot Microsoft Windows
- Explain network infrastructure concepts
- Configure and troubleshoot network connections

Modules

Module 1: Installing Motherboards and Connectors

- Topic 1A: Explain Cable Types and Connectors
- Topic 1B: Install and Configure Motherboards
- Topic 1C: Explain Legacy Cable Types

Module 2: Installing System Devices

- Topic 2A: Install and Configure Power Supplies and Cooling
- Topic 2B: Select and Install Storage Devices
- Topic 2C: Install and Configure System Memory
- Topic 2D: Install and Configure CPU

Module 3: Troubleshooting PC Hardware

- Topic 3A: Apply Troubleshooting Methodology
- Topic 3B: Configure BIOS/UEFI
- Topic 3C: Troubleshoot Power and Disk Issues
- Topic 3D: Troubleshoot System and Display Issues

Module 4: Comparing Local Networking Hardware

- Topic 4A: Compare Network Types
- Topic 4B: Compare Networking Hardware
- Topic 4C: Explain Network Cable Types
- Topic 4D: Compare Wireless Networking Types

Module 5 : Configuring Network Addressing and Internet Connections

- Topic 5A: Compare Internet Connection Types
- Topic 5B: Use Basic TCP/IP Concepts
- Topic 5C: Compare Protocols and Ports
- Topic 5D: Compare Network Configuration Concepts

Module 6: Supporting Network Services

- Topic 6A: Summarize Services Provided by Networked Hosts
- Topic 6B: Compare Internet and Embedded Appliances
- Topic 6C: Troubleshoot Networks

Module 7: Summarizing Virtualization and Cloud Concepts

- Topic 7A: Summarize Client-Side Virtualization
- Topic 7B: Summarize Cloud Concepts

Modules 8: Supporting Mobile Devices

- Topic 8A: Set Up Mobile Devices and Peripherals
- Topic 8B: Configure Mobile Device Apps
- Topic 8C: Install and Configure Laptop Hardware
- Topic 8D: Troubleshoot Mobile Device Issues

Modules 8: Supporting Print Devices

- Topic 9A: Deploy Printer and Multifunction Devices
- Topic 9B: Replace Print Device Consumables

- Topic 9C: Troubleshoot Print Device Issues

Associated certifications and exam:

This course will prepare delegates to write the CompTIA Core 1 (220-1101) exam. Successfully passing this exam counts as a credit to attaining the CompTIA A+ Core Series certification.