

COURSE OUTLINE

Course Name: CompTIA A+: Core 1

DURATION	LEVEL	TECHNOLOGY	DELIVERY METHOD	CE UNITS
5 Days	Introduction	IT Service and Support	Instructor-Led	20

Course Description:

The CompTIA A+ course offer students a globally recognized industry standard for establishing an IT career. The CompTIA A+ Core 1 series is the first part of the CompTIA A+ certification.

In this course, students will be taught about skills and knowledge required on the growing IT support role including expanded baseline security topics. This course will cover content in operational procedures including basic disaster prevention, recovery and scripting basics and a greater dependency on networking and device connectivity.

In addition, students will learn about today's core technologies from security to cloud to data management and more.

Prerequisites:

Before attending this course, students should have:

- Attended the CompTIA IT Fundamentals Course or have equivalent knowledge
- 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
- Basic knowledge of computing concepts

Target Audience:

Before attending this course, students should have:

- Individuals who have basic computer user skills and who are interested in obtaining a job as an entry-level IT technician.
- Students who are seeking the CompTIA A+ certification and who want to prepare for the CompTIA A+ Core 1 220-1001 certification exam.

Learning Objectives:

At the end of this course, students will be able to:

- 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.
- Explain network infrastructure concepts.
- Configure and troubleshoot network connections.
- Implement client virtualization and cloud computing.
- Support and troubleshoot laptops.
- Support and troubleshoot mobile devices.
- Install, configure, and troubleshoot print devices.

Course Outline:

Lesson 1: Installing and Configuring PC

- Use Appropriate Safety Procedures
- PC Components
- Common Connection Interfaces
- Install Peripheral Devices
- Troubleshooting Methodology

Lesson 2: Installing, Configuring and Troubleshooting Display and

Multimedia Devices

- Install and Configure Display Devices
- Troubleshoot Display Devices
- Install and Configure Multimedia Devices

Lesson 3: Installing, Configuring and Troubleshooting Storage Devices

- Install System Memory

- Install and Configure Mass Storage Devices
- Install and Configure Removable Storage
- Configure RAID
- Troubleshoot Storage Devices

Lesson 4: Installing, Configuring and Troubleshooting Internal System Components

- Install and Upgrade CPUs

- Configure and Update BIOS/UEFI
- Install Power Supplies
- Troubleshoot Internal System Components
- Configure a Custom PC

Lesson 5: Network Infrastructure Concepts

- Wired Networks
- Network Hardware Devices
- Wireless Networks
- Internet Connection Types
- Network Configuration Concepts
- Network Services

Lesson 6: Perform post-installation configuration

- Configure Network Connection Settings
- Install and Configure SOHO Networks

- Configure SOHO Network Security
- Configure Remote Access
- Troubleshoot Network Connections
- Install and Configure IoT Devices

Lesson 7: Implementing Client Virtualization and Cloud Computing

- Use Laptop Features
- Cloud Computing Concepts

Lesson 8: Supporting and Troubleshooting Laptops

- Use Laptop Features
- Install and Configure Laptop Hardware
- Troubleshoot Common Laptop Issues

Lesson 9: Supporting and

Troubleshooting Mobile Devices

- Mobile Device Types
- Connect and Configure Mobile Device Accessories
- Configure Mobile Device Network Connectivity
- Support Mobile Apps

Lesson 10: Installing, Configuring and Troubleshooting Print Devices

- Maintain Laser Printers
- Maintain Inkjet Printers
- Maintain Impact, Thermal and 3D Printers
- Install and Configure Printers
- Troubleshoot Print Device Issues
- Install and Configure Imaging Devices

Associated Exam and Certification:

This course will prepare students to take the **CompTIA A+ Core 1 exam 220-1001.**

Successfully passing this exam will contribute towards the attainment of the **CompTIA A+ certification.**

To receive the CompTIA A+ certification students must pass two exams: Core 1 Exam (220-1001) and Core 2: Exam (220-1002).

After completing this course students will receive a Netcampus course attendance certification.