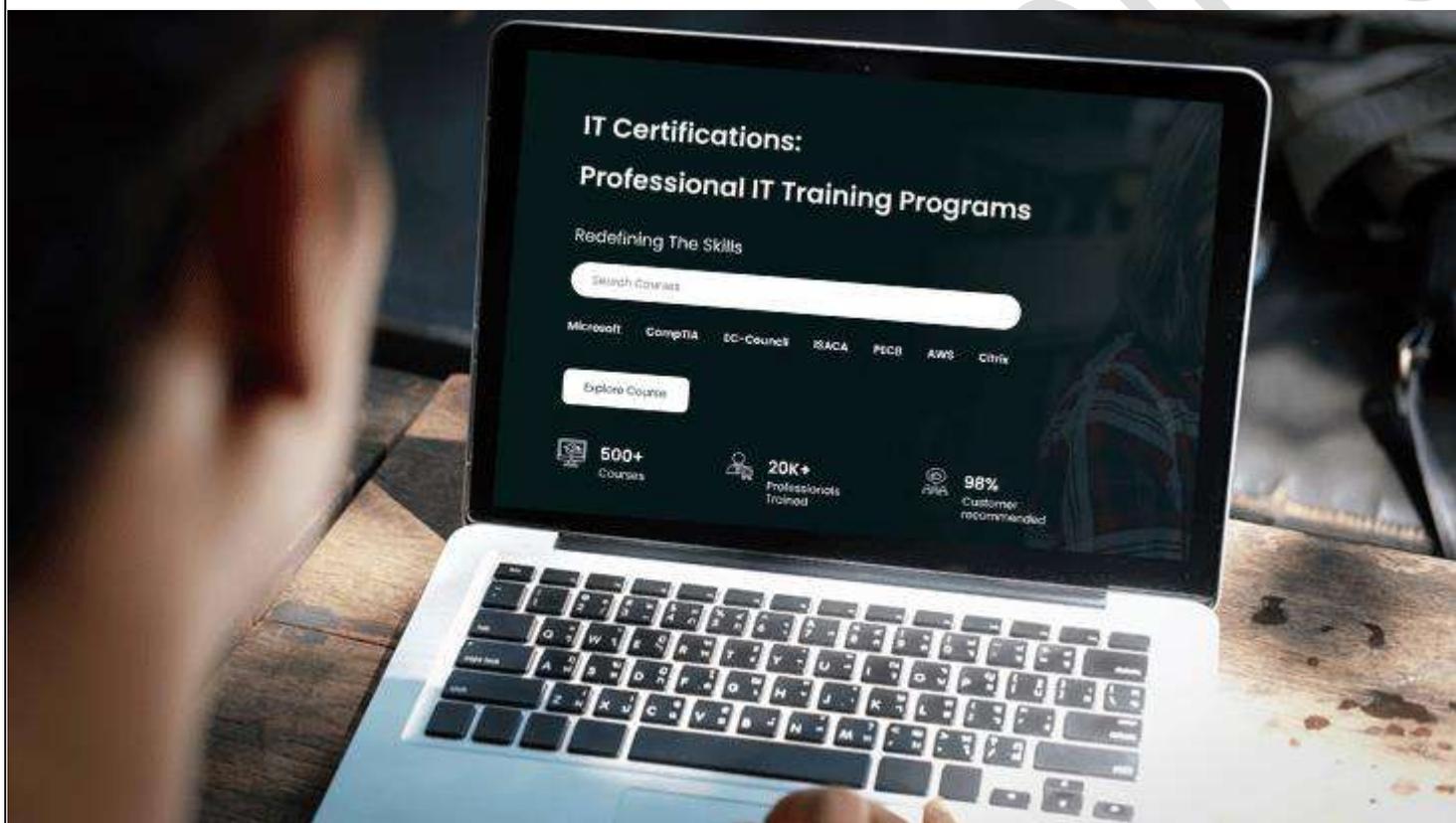# COMPTIA A+ TRAINING

Duration: 5 Days

Course Description

CompTIA A+ (Exam 220-1101 and 220 1102) Training refers to imparting you the fundamental skills that are mandatory for IT technicians to achieve work goals.

This training helps in getting the DoD Directive 8570 requirements for appearing for the CompTIA A+ Exam. It helps in giving students knowledge of the underlying operating system and computer hardware.

The essentials of building, installing, upgrading, configuring, troubleshooting, repairing, and maintaining laptops are taught with this technical training.

Students can also get information on the service and communication skills essential to perform ahead.

Microtek Learning instructor-led course modules brainstorm the learners with course objectives in order to be exam ready.

Course inclusions for this CompTIA A+ training course include support on necessary IT infrastructure, endpoint management, troubleshooting, advanced device connectivity, and basic networking. It configures and provides PC support with mobile or LoT device hardware comprising components, peripherals, and connectors.

Other objectives include implementation of data recovery methods, application of data storage, demonstration of baseline security skills for IT experts with detection and removal of malware, narrating privacy concerns, and details on physical security or device hardening.

Information on the configuration of various operating systems like Mac, Linux, SaaS, and troubleshooting the system support challenges are also part of the training.

Course design helps the professionals to seek jobs as IT technicians.

* This course prepares your for the CompTIA A+ certification exam 220-1101 and 220 1102.

This full-service test preparation course includes:

- The Official CompTIA A+ study guide
- A+ pre- and post-assessment test questions
- Comprehension exercises and study digest
- Vouchers for each A+ exams
- A+ Practice Exams

Who should attend this course?

- Individuals seeking CompTIA A+ certification (220-1001 and 220-1002)

What you will learn

- 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.
- Support and troubleshoot laptops.
- Support and troubleshoot mobile devices.
- Support and troubleshoot print devices.

- Support operating systems.
- Install, configure, and maintain operating systems.
- Maintain and troubleshoot Microsoft Windows.
- Configure and troubleshoot network connections.
- Manage users, workstations, and shared resources.
- Implement physical security.
- Secure workstations and data.
- Troubleshoot workstation security issues.
- Support and troubleshoot mobile operating systems and applications.
- Implement operational procedures.

Prerequisites

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

Curriculum

1 - Installing Motherboards and Connectors

- Explain Cable Types and Connectors
- Install and Configure Motherboards
- Explain Legacy Cable Types

2 - Installing System Devices

- Install and Configure Power Supplies and Cooling
- Select and Install Storage Devices
- Install and Configure System Memory
- Install and Configure CPUs

3 - Troubleshooting PC Hardware

- Apply Troubleshooting Methodology
- Configure BIOS/UEFI
- Troubleshoot Power and Disk Issues
- Troubleshoot System and Display Issues

4 - Comparing Local Networking Hardware

- Compare Network Types
- Compare Networking Hardware
- Explain Network Cable Types
- Compare Wireless Networking Types

5 - Configuring Network Addressing and Internet Connections

- Compare Internet Connection Types
- Use Basic TCP/IP Concepts
- Compare Protocols and Ports
- Compare Network Configuration Concepts

6 – Supporting Network Services

- Summarize Services Provided by Networked Hosts
- Compare Internet and Embedded Appliances
- Troubleshoot Networks

7 – Summarizing Virtualization and Cloud Concepts

- Summarize Client-Side Virtualization
- Summarize Cloud Concepts

8 – Supporting Mobile Devices

- Set Up Mobile Devices and Peripherals
- Configure Mobile Device Apps
- Install and Configure Laptop Hardware
- Troubleshoot Mobile Device Issues

9 – Supporting Print Devices

- Deploy Printer and Multifunction Devices
- Replace Print Device Consumables
- Troubleshoot Print Device Issues

10 – Configuring Windows

- Configure Windows User Settings
- Configure Windows System Settings

11 – Managing Windows

- Use Management Consoles
- Use Performance and Troubleshooting Tools
- Use Command-line Tools

12 – Identifying OS Types and Features

- Explain OS Types
- Compare Windows Editions

13 – Supporting Windows

- Perform OS Installations and Upgrades
- Install and Configure Applications
- Troubleshoot Windows OS Problems

14 – Managing Windows Networking

- Manage Windows Networking
- Troubleshoot Windows Networking
- Configure Windows Security Settings
- Manage Windows Shares

15 – Managing Linux and macOS

- Identify Features of Linux
- Identify Features of macOS

16 – Configuring SOHO Network Security

- Explain Attacks, Threats, and Vulnerabilities
- Compare Wireless Security Protocols
- Configure SOHO Router Security
- Summarize Security Measures

17 – Managing Security Settings

- Configure Workstation Security
- Configure Browser Security
- Troubleshoot Workstation Security Issues

18 – Supporting Mobile Software

- Configure Mobile OS Security
- Troubleshoot Mobile OS and App Software
- Troubleshoot Mobile OS and App Security

19 – Using Support and Scripting Tools

- Use Remote Access Technologies
- Implement Backup and Recovery
- Explain Data Handling Best Practices
- Identify Basics of Scripting

20 – Implementing Operational Procedures

- Implement Best Practice Documentation
- Use Proper Communication Techniques
- Use Common Safety and Environmental Procedures

For any query Contact Us – Microtek Learning