CompTIA A+

Description

CompTIA A+ opens the doors to a career in IT

This training allows you to discover the fundamentals of IT support through the installation of the operating system and its peripherals.

CompTIA (Computing Technology Industry Association) offers several certifications, including CompTIA A+, which is an industry standard for IT support technicians. This certification validates your skills with numerous companies operating in the IT field.

We prepare you for the CompTIA A+ certification

Our 5-day training course prepares you for the official CompTIA A+ certification exam.

Course Content
Module 1: Installation of Motherboards and Connectors

- Explain the basic cable types, their connectors, characteristics, and uses.
- Install and configure motherboards, central processing units (CPUs), and expansion cards.
- Explain legacy cable types.

Module 2: Installation of System Devices

- Install and configure power supplies and cooling systems.
- Select and install storage devices.
- Install and configure system memory.
- Install and configure CPUs.

Module 3: PC Hardware Troubleshooting

- Apply troubleshooting methodology.
- Configure the BIOS/UEFI.
- Troubleshoot power and disk issues.
- Troubleshoot system and display issues.

Module 4: Comparison of Local Network Hardware

- Compare different types of networks.
- Compare network hardware.
- Explain network cable types.
- Compare wireless network types.

Module 5: Network Addressing and Internet Connection Configuration

- Compare different types of Internet connections.
- Use basic TCP/IP concepts.
- Compare protocols and ports.
- Compare network configuration concepts.

Module 6: Supporting Network Services

- Summarize services provided by network hosts.
- Compare Internet and integrated devices.
- Troubleshoot networks.

Module 7: Virtualization and Cloud Concepts Overview

- Summarize client-side virtualization.
- Summarize cloud concepts.

Module 8: Supporting Mobile Devices

- Configure mobile devices and peripherals.
- Configure mobile device applications.
- Install and configure laptop hardware.
- Troubleshoot mobile device issues.

Module 9: Supporting Printers

- Deploy printers and multifunction devices.
- Replace printer consumables.
- Troubleshoot printer issues.

Module 10: Windows Configuration

- Configure Windows user settings.
- Configure Windows system settings.

Module 11: Windows Management

- Use management consoles.
- Use performance and troubleshooting tools.
- Use command-line tools.

Module 12: Identifying OS Types and Features

- Explain types of operating systems.
- Compare Windows editions.

Module 13: Supporting Windows

- Perform OS installations and upgrades.
- Install and configure applications.
- Troubleshoot Windows operating system issues.

Module 14: Windows Network Management

- Manage the Windows network.
- Troubleshoot Windows network issues.
- Configure Windows security settings.
- Manage Windows shares.

Module 15: Managing Linux and macOS

- Identify Linux features.
- Identify macOS features.

Module 16: SOHO Network Security Configuration

- Explain attacks, threats, and vulnerabilities.
- Compare wireless security protocols.
- Configure SOHO router security.
- Summarize security measures.

Module 17: Managing Security Settings

- Configure workstation security.
- Configure browser security.
- Troubleshoot workstation security issues.

Module 18: Supporting Mobile Software

- Configure mobile OS security.
- Troubleshoot mobile OS and application issues.
- Troubleshoot mobile OS and application security issues.

Module 19: Using Support Tools and Scripting

- Use remote access technologies.
- Implement backup and recovery methods.
- Explain best practices for data management.
- Identify scripting basics.

Module 20: Implementing Operational Procedures

- Implement documentation best practices.
- Use appropriate communication techniques.
- Use common safety and environmental procedures.

Lab / Exercises

- Official CompTIA labs included

Documentation

- Digital courseware included

Exam

- This course prepares to the CompTIA A+ certification.
- In order to receive the CompTIA A+ certification, learners must pass two exams: Core 1 (220-1101) and Core 2 (220-1102)
- If you wish to take these exams, please contact our secretariat who will let you know the cost of the exam and will take care of all the necessary administrative procedures for you.

Participant profiles

- IT novices who need a broad, fundamental understanding of IT and who want to learn the basics of computers, computer software, mobile devices, networking, LANs and WANs, data storage, and how IT infrastructures are monitored and managed

Prerequisites

- Good knowledge of PC composants and apps
- Little experience in IT support service

Objectives

- Prepare a study plan for the CompTIA IT Fundamentals exam
- Understand basic concepts in computer communication
- Understand basic functions and components of computers
- Understand common internal hardware components, including processors, storage devices, and RAM
- Understand peripheral components such as displays, printers, keyboard and other input/output devices, along with the connectors they use
- Understand basic types of software and considerations for installing, updating, and upgrading software
- Understand mobile devices features, mobile operating systems, and working with mobile interface

Description
CompTIA A+ Training
Niveau
Fondamental
Classroom Registration Price (CHF)
3800
Virtual Classroom Registration Price (CHF)
3550
Duration (in Days)
5
Reference
COM-01