CO-AA+1

COMPTIA A+ CORE I

DURATION	LEVEL	TECHNOLOGY	DELIVERY METHOD	TRAINING CREDITS
5 Days	Foundation	Hardware & Software	Classroom	NA

INTRODUCTION

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.

PREREQUISITES

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

COURSE CONTENT

Lesson 1: Support and Operating
- Identify Common Operating Systems
- Troubleshooting Methodology
- Use Windows Features and Tools
- Manage Files in Windows
- Manage Disks in Windows
- Manage Devices in Windows

Lesson 2: Installing and Configuring PC Components
- Use Appropriate Safety
- Procedures
- PC Components
- Common Connection
- Interfaces
- Install Peripheral Devices.

Lesson 3: Installing, configuring, Troubleshooting Display & Multimedia Devices
- Install and Configure Display Devices
- Troubleshoot Display Devices
- Install and Configure Multimedia Devices

Lesson 4: 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 5: 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

Module 6: Installing, Configuring, and Maintaining Operating Systems
Configure and Use Linux
- Configure and Use macOS
- Install and Upgrade Operating Systems
- Maintain Oss

Module 7: Maintaining & Troubleshooting Microsoft Windows

- Install and Manage Windows Applications
- Manage Windows Performance
- Troubleshoot Windows
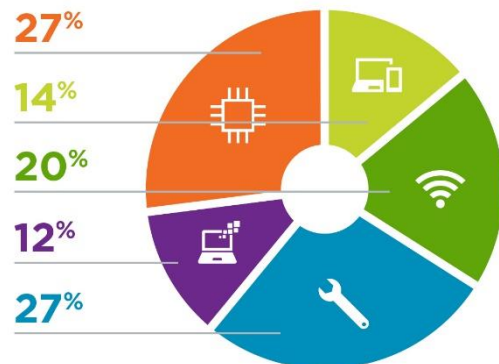
Lesson 8: Network infrastructure Concepts
- Wired Networks
- Network Hardware Devices
- Wireless Networks
- Internet Connection Types Network Configuration Concepts Network Services

Lesson 9: Configuring and Troubleshooting Networks
- Configure Network Connection Settings
- Install and Configure SOHO Networks
- Configure SOHO Network Security
- Configure Remote Access
- Troubleshoot Network Connections
- Install and Configure IoT Devices

SKILLS AND COMPETENCIES COVERED

- Hardware >
- Mobile Devices >
- Networking >
- Virtualization and Cloud Computing >
- Network and Hardware Troubleshooting >

27%
14%
20%
12%
27%

ASSOCIATED CERTIFICATIONS & 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.