



COMPTIA A+ CORE I



Duration	Delivery Method	Level
5 days	Online / Instructor Led	Foundation

Introduction:

Course Code: CO-AA+II

The Official CompTIA® A+® Core 2 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 2 certification examination (exam numbers 220-1102), 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 2 (220-1102) 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: CompTIA A+ Core 1 (220-1101) Certification Exam

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:

- Manage users, workstations, and shared resources
- Implement client virtualization and cloud computing
- Implement physical security
- Secure workstations and data
- Troubleshoot workstation security issues
- Support and troubleshoot laptops
- Support and troubleshoot mobile devices
- Install, configure, and troubleshoot print devices
- Implement operational procedures

Modules

Module 1: Supporting Operating Systems

- Topic A: Identify Common Operating Systems
- Topic B: Use Windows Features and Tools
- Topic C: Manage Files in Windows
- Topic D: Manage Disks in Windows
- Topic E: Manage Devices in Windows

Module 2: Installing, Configuring, and Maintaining Operating Systems

- Topic A: Configure and Use Linux
- Topic B: Configure and Use macOS.
- Topic C: Install and Upgrade Operating Systems
- Topic D: Maintain OSs

Module 3: Maintaining and Troubleshooting Microsoft Windows

- Topic A: Install and Manage Windows Applications
- Topic B: Manage Windows Performance
- Topic C: Troubleshoot Windows

Module 4: Configuring and Troubleshooting Networks

- Topic A: Configure Network Connection Settings
- Topic B: Install and Configure SOHO Networks
- Topic C: Configure SOHO Network Security
- Topic E: Troubleshoot Network Connections

Module 5 : Managing, Users, Workstations, and Shared Resources

- Topic A: Manage Users
- Topic B: Configure Shared Resources
- Topic C: Configure Active Directory Accounts and Policies

Module 6: Security Concepts

- Topic A: Logical Security Concepts
- Topic B: Threats and Vulnerabilities
- Topic C: Physical Security Measures

Module 7: Securing Workstations and Data

- Topic A: Implement Security Best Practices
- Topic B: Implement Data Protection Policies
- Topic C: Protect Data During Incident Response

Modules 8: Troubleshooting Workstation Security Issues

- Topic A: Detect, Remove, and Prevent Malware
- Topic B: Troubleshoot Common Workstation Security Issues

Modules 9: Supporting and Troubleshooting Mobile Devices

- Topic A: Secure Mobile Devices
- Topic B: Troubleshoot Mobile Device Issues

Modules 10 : Implementing Operational Procedures

- Topic A: Use Appropriate Safety Procedures
- Topic B: Environmental Impacts and Controls
- Topic C: Create and Maintain Documentation
- Topic D: Use Basic Change Management Best Practices
- Topic E: Implement Disaster Prevention and Recovery Methods
- Topic F: Basic Scripting Concepts
- Topic G: Professionalism and Communication

Associated certifications and exam:

This course will prepare delegates to write the CompTIA Core 2 (220-1102) exam. Successfully passing this exam counts as a credit to attaining the CompTIA A+ Core Series certification.