

CompTIA A+

Length: 5 Days

Summary: This course is the prep for the new 1101/1102 exams which CompTIA released in April 2022. 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. CompTIA A+ is regularly re-invented by IT experts to ensure that it validates core skills and abilities demanded in the workplace.

This course provides the background knowledge and skills you will require to be a successful A+ technician. It will help you prepare to take the CompTIA A+ exams (exam numbers 220-1101 and 220-1102), in order to become a CompTIA A+ Certified Professional.

Who Should Attend: 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.

Prerequisites: To ensure your success in this course, you 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.

Upon successful completion of this course, students will be able to:

- 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.
- 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.

COURSE CONTENT

Chapter 1: Introduction

Chapter 2: Motherboards, Processors, and Memory

Chapter 3: Expansion Cards, Storage Devices, and Power Supplies

Chapter 4: Peripherals, Cables, and Connectors

Chapter 5: Printers and Multifunction Devices

Chapter 6: Networking Fundamentals

Chapter 7: Introduction to TCP/IP

Chapter 8: Wireless and SOHO Networks

Chapter 9: Network Services, Virtualization, and Cloud Computing

Chapter 10: Laptop and Mobile Device Hardware

Chapter 11: Mobile Connectivity and Application Support

Chapter 12: Troubleshooting Methodology and Resolving Core Hardware Problems

Chapter 13: Hardware and Network Troubleshooting

Chapter 14: Operating System Basics

Chapter 15: Windows Configuration

Chapter 16: Windows Administration

Chapter 17: Working with macOS and Linux

Chapter 18: Security Concepts

Chapter 19: Securing Operating Systems

Chapter 20: Troubleshooting Operating Systems and Security

Chapter 21: Scripting and Remote Access

Chapter 22: Safety and Environmental Concerns

Chapter 23: Documentation and Professionalism