

CompTIA A+ (Exam Bundle 220-1101 and 220-1102)



Duration: 5 Days

COURSE DESCRIPTION

CompTIA A+ certified professionals are proven problem solvers. They support today's core technologies from security to networking to virtualization and more. CompTIA A+ is the industry standard for launching IT careers into today's digital world. This course prepares you for the CompTIA A+ Certification exams 220-1101 and 220-1102.

This course may earn a Credly Badge.

COURSE OBJECTIVES

At completion of this course, you will be able to:

- Install and configure end-user devices and software
- Address connectivity problems
- Perform basic cybersecurity mitigations
- Troubleshoot common problems to diagnose and resolve issues
- Demonstrate basic knowledge of scripting, the cloud, and virtualization

COURSE OUTLINE

Module 1: Installing Motherboards and Connectors

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

Module 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

Module 3: Troubleshooting Pc Hardware

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

Module 4: Comparing Local Networking Hardware

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

Module 5: Configuring Network Addressing and Internet Connections

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

Module 6: Supporting Network Services

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

Module 7: Summarizing Virtualization and Cloud Concepts

- Summarize Client-Side Virtualization
- Summarize Cloud Concepts

Module 8: Supporting Mobile Devices

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

Module 9: Supporting Print Devices

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

Module 10: Configuring Windows

- Configure Windows User Settings
- Configure Windows System Settings

Module 11: Managing Windows

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

Module 12: Identifying OS Types and Features

- Explain OS Types
- Compare Windows Editions

Module 13: Supporting Windows

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

Module 14: Managing Windows Networking

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

- Manage Windows Shares

Module 15: Managing Linux And MacOS

- Identify Features of Linux
- Identify Features of macOS

Module 16: Configuring Soho Network Security

- 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 App Software
- Troubleshoot Mobile OS and App Security

Module 19: USING SUPPORT AND SCRIPTING TOOLS

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

Module 20: Implementing Operational Procedures

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

WHO SHOULD ATTEND

This course is targeted to those seeking A+ Certification and anyone in these roles:

- IT Support Specialist
- Helpdesk Technician
- Field Technician
- Tier I Support Specialist
- Desktop Support Specialist
- Associate Network Engineer
- Systems Support Technician
- Junior Systems Administrator