



# CompTIA A+ Certification 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 Virtualisation 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: Installing and Troubleshooting Operating Systems

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

#### Module 14: Managing Windows Networking

- Configuring 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