

**Document Generated: 05/12/2026**

**Learning Style: On Demand**

**Technology:**

**Difficulty: Beginner**

**Course Duration:**

## CompTIA A+ Certification



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### Course Outline:

- Core 1:

- Module 1: What Does an IT Specialist Do?
  - Lesson 1.1: The Hero of Problem Solving
  - Lesson 1.2: The Troubleshooting Methodology
- Module 2: Installing Motherboards and Connectors
  - Lesson 2.1: Cables and Connectors
  - Lesson 2.2: Motherboards
  - Lesson 2.3: Legacy Cables
- Module 3: Installing System Devices
  - Lesson 3.1: Power Supplies and Cooling
  - Lesson 3.2: Storage Devices
  - Lesson 3.3: System Memory
  - Lesson 3.4: CPUs
- Module 4: Troubleshooting PC Hardware
  - Lesson 4.1: BIOS and UEFI
  - Lesson 4.2: Power and Disk Issues
  - Lesson 4.3: System and Display Issues
- Module 5: Comparing Local Networking Hardware
  - Lesson 5.1: Network Types
  - Lesson 5.2: Networking Hardware
  - Lesson 5.3: Network Cable Types
  - Lesson 5.4: Wireless Networking Types
- Module 6: Configuring Network Addressing and Internet Connections
  - Lesson 6.1: Internet Connection Types
  - Lesson 6.2: TCP/IP Concepts
  - Lesson 6.3: Network Communications
  - Lesson 6.4: Network Configuration Concepts
- Module 7: Supporting Network Services
  - Lesson 7.1: Networked Host Services
  - Lesson 7.2: Internet and Embedded Appliances
  - Lesson 7.3: Troubleshoot Networks
- Module 8: Summarizing Virtualization and Cloud Concepts
  - Lesson 8.1: Client-Side Virtualization
  - Lesson 8.2: Cloud Concepts
- Module 9: Supporting Mobile Devices
  - Lesson 9.1: Mobile Devices and Peripherals
  - Lesson 9.2: Mobile Apps and Data
  - Lesson 9.3: Laptop Hardware
  - Lesson 9.4: Troubleshoot Mobile Devices
- Module 10: Supporting Print Devices
  - Lesson 10.1: Printers and Multifunction Devices
  - Lesson 10.2: Print Device Maintenance
  - Lesson 10.3: Troubleshoot Print Devices
  
- Core 2:
  
- Module 1: What Does an IT Specialist Do?
  - Lesson 1.1: The Hero of Problem Solving
  - Lesson 1.2: The Troubleshooting Methodology

- Module 2: Managing Support Procedures
  - Lesson 2.1: Documentation
  - Lesson 2.2: Professional Communication
  - Lesson 2.3: Types of Operating Systems
- Module 3: Configuring Windows
  - Lesson 3.1: Windows User Settings
  - Lesson 3.2: Windows System Settings
  - Lesson 3.3: Install and Configure Applications
  - Lesson 3.4: Cloud-Based Applications
- Module 4: Managing Windows
  - Lesson 4.1: Use Management Consoles
  - Lesson 4.2: Command-Line Tools
  - Lesson 4.3: Windows Networking
- Module 5: Supporting Windows
  - Lesson 5.1: Troubleshoot Windows Networking
  - Lesson 5.2: Remote Access Technologies
  - Lesson 5.3: Performance and Troubleshooting Tools
  - Lesson 5.4: Troubleshoot Windows OS Problems
- Module 6: Securing Windows
  - Lesson 6.1: Logical Security Concepts
  - Lesson 6.2: Windows Security Settings
  - Lesson 6.3: Windows Shares
- Module 7: Installing Operating Systems
  - Lesson 7.1: Windows Editions
  - Lesson 7.2: OS Installations and Upgrades
- Module 8: Supporting Other OS
  - Lesson 8.1: Linux Features
  - Lesson 8.2: Package and Network Management
  - Lesson 8.3: macOS Features
- Module 9: Configuring SOHO Network Security
  - Lesson 9.1: Attacks, Threats, and Vulnerabilities
  - Lesson 9.2: Wireless Security Protocols
  - Lesson 9.3: SOHO Router Security
  - Lesson 9.4: Additional Security Measures
- Module 10: Managing Security Settings
  - Lesson 10.1: Account Security
  - Lesson 10.2: Workstation Security
  - Lesson 10.3: Browser Security
  - Lesson 10.4: Troubleshoot Workstation Security
- Module 11: Supporting Mobile Software
  - Lesson 11.1: Mobile OS Security
  - Lesson 11.2: Troubleshoot Mobile OS and App Software
  - Lesson 11.3: Troubleshoot Mobile OS and App Security
- Module 12: Using Data Security
  - Lesson 12.1: Data Backup and Recovery
  - Lesson 12.2: Data Handling Best Practices
  - Lesson 12.3: Artificial Intelligence
- Module 13: Implementing Operational Procedures
  - Lesson 13.1: Change and Inventory Management
  - Lesson 13.2: Common Safety and Environmental Procedures

- Lesson 13.3: Scripting Basics