

CompTIA A+ Syllabus

Lesson 1: Installing Motherboards and Connectors **2 Hours - 3 Topics**

- **Topic 1A: Explain Cable Types and Connectors (Day 1)**
- **Topic 1B: Install and Configure Motherboards (Day 1)**
- **Topic 1C: Explain Legacy Cable Types (Day 1)**

Lesson 2: Installing System Devices **2 Hours - 4 Topics**

- **Topic 2A: Install and Configure Power Supplies and Cooling (Day 2)**
- **Topic 2B: Select and Install Storage Devices (Day 2)**
- **Topic 2C: Install and Configure System Memory (Day 2)**
- **Topic 2D: Install and Configure CPUs (Day 2)**

Lesson 3: Troubleshooting PC Hardware **2 Hours - 4 Topics**

- **Topic 3A: Apply Troubleshooting Methodology (Day 3)**
- **Topic 3B: Configure BIOS/UEFI (Day 3)**
- **Topic 3C: Troubleshoot Power and Disk Issues (Day 3)**
- **Topic 3D: Troubleshoot System and Display Issues (Day 3)**

Lesson 4: Comparing Local Networking Hardware **2 Hours - 4 Topics**

- **Topic 4A: Compare Network Types (Day 4)**
- **Topic 4B: Compare Networking Hardware (Day 4)**
- **Topic 4C: Explain Network Cable Types (Day 4)**
- **Topic 4D: Compare Wireless Networking Types (Day 4)**

Lesson 5: Configuring Network Addressing and Internet Connections

2 Hours - 4 Topics

- **Topic 5A: Compare Internet Connection Types (Day 5)**
- **Topic 5B: Use Basic (Day 5)**
- **Topic 5C: Compare Protocols and Ports/TCP/IP Concepts (Day 5)**
- **Topic 5D: Compare Network Configuration Concepts (Day 5)**

Lesson 6: Supporting Network Services **2 Hours - 3 Topics**

- **Topic 6A: Summarize Services Provided by Networked Hosts (Day 6)**
- **Topic 6B: Compare Internet and Embedded Appliances (Day 6)**
- **Topic 6C: Troubleshoot Networks (Day 6)**

Lesson 7: Summarizing Virtualization and Cloud Concepts **2 Hours - 2 Topics**

- **Topic 7A: Summarize Client-Side Virtualization (Day 7)**
- **Topic 7B: Summarize Cloud Concepts (Day 7)**

Lesson 8: Supporting Mobile Devices **2 Hours - 4 Topics**

- **Topic 8A: Set Up Mobile Devices and Peripherals (Day 8)**
- **Topic 8B: Configure Mobile Device Apps (Day 8)**
- **Topic 8C: Install and Configure Laptop Hardware (Day 8)**
- **Topic 8D: Troubleshoot Mobile Device Issues (Day 8)**

Lesson 9: Supporting Print Devices **2 Hours - 4 Topics**

- **Topic 9A: Deploy Printer and Multifunction Devices (Day 9)**
- **Topic 9B: Replace Print Device Consumables (Day 9)**
- **Topic 9C: Troubleshoot Print Device Issues (Day 9)**

Lesson 10: Configuring Windows **2 Hours - 2 Topics**

- **Topic 10A: Configure Windows User Settings (Day 10)**
- **Topic 10B: Configure Windows System Settings (Day 10)**

Lesson 11: Managing Windows **2 Hours - 3 Topics**

- **Topic 11A: Use Management Consoles (Day 11)**
- **Topic 11B: Use Performance and Troubleshooting Tools (Day 11)**
- **Topic 11C: Use Command-line Tools (Day 11)**

Lesson 12: Identifying OS Types and Features **2 Hours - 2 Topics**

- **Topic 12A: Explain OS Types (Day 12)**
- **Topic 12B: Compare Windows Editions (Day 12)**

Lesson 13: Supporting Windows **2 Hours - 3 Topics**

- **Topic 13A: Perform OS Installations and Upgrades (Day 13)**
- **Topic 13B: Install and Configure Applications (Day 13)**
- **Topic 13C: Troubleshoot Windows OS Problems (Day 13)**

Lesson 14: Managing Windows Networking **2 Hours - 4 Topics**

- **Topic 14A: Manage Windows Networking (Day 14)**
- **Topic 14B: Troubleshoot Windows Networking (Day 14)**
- **Topic 14C: Configure Windows Security Settings (Day 14)**
- **Topic 14D: Manage Windows Shares (Day 14)**

Lesson 15: Managing Linux and macOS **2 Hours - 2 Topics**

- **Topic 15A: Identify Features of Linux (Day 15)**
- **Topic 15B: Identify Features of macOS (Day 15)**

Lesson 16: Configuring SOHO Network Security **2 Hours - 4 Topics**

- **Topic 16A: Explain Attacks, Threats, and Vulnerabilities (Day 16)**
- **Topic 16B: Compare Wireless Security Protocols (Day 16)**
- **Topic 16C: Configure SOHO Router Security (Day 16)**
- **Topic 16D: Summarize Security Measures (Day 16)**

Lesson 17: Managing Security Settings**2 Hours - 3 Topics**

- **Topic 17A: Configure Workstation Security (Day 17)**
- **Topic 17B: Configure Browser Security (Day 17)**
- **Topic 17C: Troubleshoot Workstation Security Issues (Day 17)**

Lesson 18: Supporting Mobile Software**2 Hours - 3 Topics**

- **Topic 18A: Configure Mobile OS Security (Day 18)**
- **Topic 18B: Troubleshoot Mobile OS and App Software (Day 18)**
- **Topic 18C: Troubleshoot Mobile OS and App Security (Day 18)**

Lesson 19: Using Support and Scripting Tools**2 Hours - 4 Topics**

- **Topic 19A: Use Remote Access Technologies (Day 19)**
- **Topic 19B: Implement Backup and Recovery (Day 19)**
- **Topic 19C: Explain Data Handling Best Practices (Day 19)**
- **Topic 19D: Identify Basics of Scripting (Day 19)**

Lesson 20: Implementing Operational Procedures**2 Hours - 3 Topics**

- **Topic 20A: Implement Best Practice Documentation (Day 20)**
- **Topic 20B: Use Proper Communication Techniques (Day 20)**
- **Topic 20C: Use Common Safety and Environmental Procedures (Day 20)**