

CompTIA A+

220-1001 (Core 1)

About A+

- 2 different exams
 - 220-1001 (Core 1) and 220-1002 (Core 2)
- This course covers only the 220-1001 (Core 1) exam objectives
- Course is designed to follow right along with the exam objectives from CompTIA
 - You can download these from their website, www.Comptia.org

220-1001 (Core 1)

- Maximum of 90 Questions on the Exam
- Multiple Choice Questions
- 90 Minutes to complete the exam
- 675 is a passing score (scale 100-900)

220-1001

- 5 Domains to know
 - 1.0 Mobile Devices 14%
 - 2.0 Networking 20%
 - 3.0 Hardware 27%
 - 4.0 Virtualization and Cloud Computing 12%
 - 5.0 Hardware and Network Troubleshooting 27%

1.0 - Mobile Devices

- What are we covering?
 - 1.1 Given a scenario, install and configure laptop hardware and components
 - 1.2 Given a scenario, install components within the display of a laptop
 - 1.3 Given a scenario, use appropriate laptop features
 - 1.4 Compare and contrast characteristics of various types of other mobile devices
 - 1.5 Given a scenario, connect and configure accessories and ports of other mobile devices
 - 1.6 Given a scenario, configure basic mobile device network connectivity and application support
 - 1.7 Given a scenario, use methods to perform mobile device synchronization

2.0 Networking

- What are we covering?
 - 2.1 Compare and contrast TCP and UDP ports, protocols and their purpose
 - 2.2 Compare and contrast common networking hardware devices
 - 2.3 Given a scenario, install and configure a basic wired/wireless SOHO network
 - 2.4 Compare and contrast wireless networking protocols
 - 2.5 Summarize the properties and purposes of services provided by networked hosts
 - 2.6 Explain common network configuration concepts
 - 2.7 Compare and contrast internet connection types, network types and their features
 - 2.8 Given a scenario, use appropriate networking tools

3.0 Hardware

- What are we covering?
 - 3.1 Explain basic cable types, features and their purposes
 - 3.2 Identify common connector types
 - 3.3 Given a scenario, install RAM types
 - 3.4 Given a scenario, select, install and configure storage devices
 - 3.5 Given a scenario, install and configure motherboards, CPUs and add-on cards
 - 3.6 Explain the purposes and uses of various peripheral types
 - 3.7 Summarize power supply types and features
 - 3.8 Given a scenario, select and configure appropriate components for a custom PC configuration to meet customer specifications/needs

3.0 Hardware

- What are covering? (Continued)
 - 3.9 Given a scenario, install and configure common devices
 - 3.10 Given a scenario, configure SOHO multifunction devices/printers and settings
 - 3.11 Given a scenario, install and maintain various print technologies

4.0 Virtualization and Cloud Computing

- 4.1 Compare and contrast cloud computing concepts
- 4.2 Given a scenario, set up and configure client-side virtualization

5.0 Hardware and Network Troubleshooting

- What are we covering?
 - 5.1 Given a scenario, use the best practice methodology to resolve problems
 - 5.2 Given a scenario, troubleshoot problems related to motherboards, RAM, CPUs and power
 - 5.3 Given a scenario, troubleshoot hard drives and RAID arrays
 - 5.4 Given a scenario, troubleshoot video, projector and display issues
 - 5.5 Given a scenario, troubleshoot common mobile device issues while adhering to the appropriate procedures
 - 5.6 Given a scenario, troubleshoot printers
 - 5.7 Given a scenario, troubleshoot common wires and wireless network problems

End of 220-1001 Overview

- Remember, this course measures the necessary skills for an entry level IT professional.
 - Assemble components based on customer requirements
 - Install, configure, and maintain PCs, mobile devices, and software for end users
 - Understand the basics of networking and security forensics
 - Properly and safely diagnose, resolve, and document common hardware and software issues
 - Apply troubleshooting skills
 - Provide appropriate customer support
 - Understand the basics of scripting, virtualization, desktop imaging, and deployment