

A+ Core 1 (V15) exam objectives summary

Mobile devices (13%)

- Hardware setup: installing components like batteries, cameras, and Wi-Fi antennas.
- Accessory options: configuring USB, Bluetooth, NFC, and docking stations.
- Network setup: configuring Wi-Fi, Bluetooth, cellular data, and synchronization settings.
- Troubleshooting: identifying and fixing hardware and connectivity issues.

Networking (23%)

- Protocols and ports: learning about networking protocols, ports, and wireless technologies.
- SOHO networks: setting up small office/home office networks, including IP addressing and VPNs.
- Networking tools: troubleshooting with crimpers, cable testers, and Wi-Fi analyzers.

Hardware (25%)

- Component installation: setting up RAM, CPUs, and storage devices.
- Cables and connectors: working with HDMI, Ethernet, and USB cables.
- Peripheral devices: installing and maintaining printers, scanners, and other peripherals.
- Motherboards and power: configuring motherboards, power supplies, and cooling solutions.
- Virtualization and cloud computing (11%)
- Virtualization concepts: understanding virtual machines, hypervisors, and desktop virtualization.
- Cloud models: learning about IaaS, SaaS, and PaaS.

Hardware and network troubleshooting (28%)

- Diagnosing issues: identifying and fixing hardware, network, and connectivity problems.

- Troubleshooting tools: using multimeters, cable testers, and loopback plugs.