

# A+

## Course Description

SecureNinja's CompTIA A+ training and certification boot camp in Washington, DC prepares students with the latest skills needed by today's computer support professionals. Upon class completion CompTIA A+ will confirm a technician's ability to perform tasks such as installation, configuration, diagnosing, preventive maintenance, and basic networking. A+ is an international, vendor-neutral certification recognized by major hardware and software vendors, distributors, and resellers.

To receive CompTIA A+ certification, a candidate must pass two exams. The first exam is CompTIA A+ 220-1101 Certification Exam. The CompTIA A+ 220-1101 examination measures the necessary competencies for an entry-level IT professional with the equivalent knowledge of at least 12 months of hands-on experience in the lab, or in the field. Successful candidates will have the knowledge required to assemble components based on customer requirements, install, configure and maintain devices, PCs, 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 while applying troubleshooting skills. Successful candidates will also provide appropriate customer support; understand the basics of virtualization, desktop imaging, and deployment.

The second exam is CompTIA A+ 220-1102 which covers installing and configuring operating systems such as Windows, IOS, Android, Apple OS X, and Linux. Students also learn about the fundamentals of cloud computing and operational procedures. Acquiring these skills is essential for anyone who is pursuing a path into any professional IT role. With these skills, users will be able to safely diagnose and resolve issues by applying common troubleshooting skills.

CompTIA A+ is ISO 17024 Accredited (Personnel Certification Accreditation) and, as such, undergoes regular reviews and updates to the exam objectives. The following CompTIA A+ exam objectives result from subject matter expert workshops and industry-wide survey results regarding the skills and knowledge required of an entry-level IT professional. The percentages in this document represent the relative importance of the subject areas (domains) in the associated body of knowledge, and together establish the foundation of an entry-level IT professional.

## Topics Covered

- CompTIA A+ 220-1101
  - PC Hardware
  - Cloud Computing
  - Networking
  - Laptops
  - Printers
  - Operational Procedures
- CompTIA A+ 220-1102

- Operating Systems
- Security
- Mobile Devices
- Troubleshooting

Including:

- Motherboards, processors, RAM, and BIOS
- Power supplies and system cooling
- I/O, input ports, and devices
- Video displays and video cards
- Customized PCs
- Cloud computing
- Laptops and mobile devices
- Printers
- Storage devices
- Installing and configuring operating systems such as Windows, IOS, Apple OS X, and Linux
- Virtualization
- Networking
- Security
- Operational procedures and communications methods

## **Required Exams**

A+ 220-1101 and 220-1102 exams

## **Courseware**

CompTIA A+ Complete Study Guide: Exam Core 1 220-1101 and Exam Core 2 220-1102 5th Edition

## **Follow-on Courses**

- CompTIA Network+
- CompTIA Security+
- Cisco CCNA Routing & Switching

## **Prerequisites**

Having end-user skills with Microsoft Windows is helpful.

## **Course Length**

40 hours

## **Career Track & Roles**

- Help Desk Technician
- Help Desk Administrator

- Remote Support Technician
- Backup Administrator
- Network Administrator
- Systems Administrator
- Systems Engineer
- Systems Architect
- Network Security Specialist
- Information Security Specialist