

CompTIA A+

Duration 3 Days



INTRODUCTION

CompTIA A+ certification validates the latest skills needed by today's computer support professionals. It is an international, vendor-neutral certification recognized by major hardware and software vendors, distributors and resellers. CompTIA A+ confirms a technician's ability to perform tasks such as installation, configuration, diagnosing, preventive maintenance and basic networking. The exams also cover domains such as security, safety and environmental issues and communication and professionalism.

CompTIA A+ ensures the right people have the right skills. While many of the essential skills are universal, there are additional skills required to support the needs of businesses. By offering certification options for specific job scenarios, CompTIA A+ gives individuals the ability to grow their careers in a certain area, and employers the flexibility to choose the exam combination that best fits their needs.

"A+ training and certification can provide a pathway to a good job. It can also lead to a very good job for people without strong educational credentials or previous work experience."

TARGET AUDIENCE

This course is designed for individuals who have basic computer user skills and who are interested in obtaining a job as an entry-level IT technician. This course is also designed for students who are seeking the CompTIA A+ certification and who want to prepare for the CompTIA A+ 220-901 Certification Exam and the CompTIA 220-902 Certification Exam.

COURSE OBJECTIVES

In this course, you will install, configure, optimize, troubleshoot, repair, upgrade, and perform preventive maintenance on personal computers, digital devices, and operating systems. You will:

- Identify the hardware components of personal computers and mobile digital devices.
- Identify the basic components and functions of operating systems.
- Identify networking and security fundamentals.
- Identify the operational procedures that should be followed by professional PC technicians.
- Install, configure, and troubleshoot display devices.
- Install and configure peripheral components.
- Manage system components.
- Manage data storage.
- Install and configure Microsoft Windows.
- Optimize and maintain Microsoft Windows.
- Work with other operating systems.
- Identify the hardware and software requirements for client environment configurations.
- Identify network technologies.
- Install and configure networking capabilities.
- Support mobile digital devices.
- Support printers and multifunction devices.
- Identify security threats, vulnerabilities, and controls.
- Implement security controls.
- Troubleshoot system-wide issues.

COURSE OUTLINE

1. HARDWARE FUNDAMENTALS
2. MANAGING SYSTEM COMPONENTS
3. MANAGING DATA STORAGE
4. SUPPORTING DISPLAY DEVICES
5. INSTALLING & CONFIGURING PERIPHERAL COMPONENTS
6. CUSTOMIZED CLIENT ENVIROMENTS
7. SUPPORTING PRINTERS & MULTIFUNCTION DEVICES
8. NETWORKING TECHNOLOGIES
9. INSTALLING & CONFIGURING NETWORKING CAPABILITIES
10. SUPPORTING MOBILE DIGITAL DEVICES
11. OPERATING SYSTEM FUNDAMENTALS
12. INSTALLING & CONFIGURING MICROSOFT WINDOWS
13. OPTIMIZING & MAINTAINING MICROSOFT WINDOWS
14. WORKING WITH OTHER OPERATING SYSTEMS
15. NETWORKING & SECURITY FUNDAMENTALS
16. SECURITY THREATS, VULNERABILITIES, & CONTROLS
17. IMPLEMENTING SECURITY CONTROLS
18. TROUBLESHOOTING SYSTEM-WIDE ISSUES
19. SAFETY & OPERATIONAL PROCEDURES