

CompTIA A+

COURSE OVERVIEW

CompTIA's A+ certification is the industry standard for validating the foundational skills needed by today's computer support technicians and is included in the approved list of certifications to meet DoD Directive 8570.1 requirements. This international vendor-neutral certification requires that you pass two exams: CompTIA A+ Essentials Exam 220-1101 and Practical Application Exam 220-1102.

In this course that's focused on CompTIA A+ certification exam preparation, you'll gain the needed knowledge of basic computer hardware and operating systems. You will cover the essential principles of installing, building, upgrading, repairing, configuring, troubleshooting, optimizing, and preventative maintenance on desktop and laptop computers. You will also learn elements of customer service and communication skills necessary to work with clients. Instructor-led practice exams and quizzes help reinforce course concepts and exam readiness.

WHO WILL BENEFIT FROM THIS COURSE?

Individuals seeking CompTIA A+ certification (220-1001 and 220-1002)

PREREQUISITES

- End-user skills with Windows-based PCs
- Basic knowledge of computing concepts

COURSE OBJECTIVES

- Install and configure PC system unit components and peripheral devices.
- Install, configure, and troubleshoot display and multimedia devices.
- Install, configure, and troubleshoot storage devices.
- Install, configure, and troubleshoot internal system components.
- Explain network infrastructure concepts.
- Configure and troubleshoot network connections.
- Implement client virtualization.
- Support and troubleshoot laptops.
- Support and troubleshoot mobile devices.
- Support and troubleshoot print devices.
- Support operating systems.
- Install, configure, and maintain operating systems.
- Maintain and troubleshoot Microsoft Windows.
- Configure and troubleshoot network connections.
- Manage users, workstations, and shared resources.
- Implement physical security.
- Secure workstations and data.
- Troubleshoot workstation security issues.
- Support and troubleshoot mobile operating systems and applications.
- Implement operational procedures.



COURSE OUTLINE

- Lesson 1: Installing Motherboards and Connectors
- Lesson 2: Installing System Devices
- Lesson 3: Troubleshooting PC Hardware
- Lesson 4: Comparing Local Networking Hardware
- Lesson 5: Configuring Network Addressing and Internet Connections
- Lesson 6: Supporting Network Services
- Lesson 7: Summarizing Virtualization and Cloud Concepts
- Lesson 8: Supporting Mobile Devices
- Lesson 9: Supporting Print Devices
- Lesson 10: Configuring Windows
- Lesson 11: Managing Windows
- Lesson 12: Identifying OS Types and Features
- Lesson 13: Supporting Windows
- Lesson 14: Managing Windows Networking
- Lesson 15: Managing Linux and macOS
- Lesson 16: Configuring SOHO Network Security
- Lesson 17: Managing Security Settings
- Lesson 18: Supporting Mobile Software
- Lesson 19: Using Support and Scripting Tools
- Lesson 20: Implementing Operational Procedures

Labs:

- Exploring the Lab Environment
- Installing a Motherboard
- Installing Power Supplies
- Installing and Configuring System Memory
- Installing RAM
- Installing CPU and Cooler
- Upgrading and Installing GPU and Daisy-Chain Monitors
- Exploring the Virtual Machine Lab Environment
- Compare Networking Hardware
- Compare Wireless Network Technologies
- Configure a SOHO Router
- Compare Protocols and Ports
- Troubleshoot a Network #1
- Troubleshoot a Network #2
- Troubleshoot a Network #1
- Troubleshoot a Network #2
- Adding Expansion SSD in a Laptop
- Upgrading Laptop RAM
- Replacing Laptop Non-User Removable Battery

- Configuring Laptop Dock and External Peripherals
- Deploy a Printer
- Manage User Settings in Windows
- Support Windows 11
- Configure Windows System Settings
- Use Management Consoles
- Use Task Manager
- Monitor Performance and Event Logs
- Use Command-line Tools
- Support Windows 10
- Perform Windows 10 OS Installation
- Perform Ubuntu Linux OS Installation
- Install and Configure an Application
- Troubleshoot a Windows OS Issue
- Configure Windows Networking
- Configure Folder Sharing in a Workgroup
- Manage Linux using Command-line Tools
- Manage Files using Linux Command-line Tools
- Support and Troubleshoot Network Hosts
- Configure SOHO Router Security
- Configure Workstation Security
- Configure Browser Security
- Troubleshoot Security Issues Scenario #1
- Troubleshoot Security Issues Scenario #2
- Use Remote Access Technologies
- Implement Backup and Recovery
- Implement a PowerShell Script
- Implement Bash Script
- Manage a Support Ticket

WHY TRAIN WITH SUNSET LEARNING INSTITUTE?

Sunset Learning Institute (SLI) has been an innovative leader in developing and delivering authorized technical training since 1996. Our goal is to help our customers optimize their technology Investments by providing convenient, high quality technical training that our customers can rely on. We empower students to master their desired technologies for their unique environments.

What sets SLI apart is not only our immense selection of trainings options, but our convenient and consistent delivery system. No matter how complex your environment is or where you are located, SLI is sure to have a training solution that you can count on!

Premiere World Class Instruction Team

- All SLI instructors have a four-year technical degree, instructor level certifications and field consulting work experience
- Sunset Learning has won numerous Instructor Excellence and Instructor Quality Distinction awards since 2012

Enhanced Learning Experience

- The goal of our instructors during class is ensure students understand the material, guide them through our labs and encourage questions and interactive discussions.

Convenient and Reliable Training Experience

- You have the option to attend classes live with the instructor, at any of our established training facilities, or from the convenience of your home or office
- All Sunset Learning Institute classes are guaranteed to run – you can count on us to deliver the training you need when you need it!

Outstanding Customer Service

- You will work with a dedicated account manager to suggest the optimal learning path for you and/or your team
- An enthusiastic student services team is available to answer any questions and ensure a quality training experience

Interested in Private Group Training?

[Contact Us](#)