COMPTIA A+ CERTIFICATION PREP

Course Code: 100287

Prepare for the CompTIA A+ certification 220-1101 and 220-1102.

CompTIA's A+ certification is the industry standard for validating the foundational skills needed by today's computer support. 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.

- This course includes exam vouchers.

What You'll Learn

- 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.

Who Needs to Attend

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

Prerequisites

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

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CLASSROOM LIVE	$3,195 USD	5 Day

Classroom Live 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

Classroom Live Labs

- Assisted Lab: Exploring the Lab Environment
- Assisted Lab: Installing a Motherboard
- Assisted Lab: Installing Power Supplies
- Assisted Lab: Installing and Configuring System Memory
- Assisted Lab: Installing RAM

- Assisted Lab: Installing CPU and Cooler
- Assisted Lab: Upgrading and Installing GPU and Daisy-Chain Monitors
- Assisted Lab: Exploring the Virtual Machine Lab Environment
- Assisted Lab: Compare Networking Hardware
- Assisted Lab: Compare Wireless Network Technologies
- Assisted Lab: Configure a SOHO Router
- Assisted Lab: Compare Protocols and Ports
- Assisted Lab: Troubleshoot a Network #1
- Assisted Lab: Troubleshoot a Network #2
- APPLIED Lab: Troubleshoot a Network #1
- APPLIED Lab: Troubleshoot a Network #2
- Assisted Lab: Adding Expansion SSD in a Laptop
- Assisted Lab: Upgrading Laptop RAM
- Assisted Lab: Replacing Laptop Non-User Removable Battery
- Assisted Lab: Configuring Laptop Dock and External Peripherals
- Assisted Lab: Deploy a Printer
- Assisted Lab: Manage User Settings in Windows
- Assisted Lab: Support Windows 11
- Assisted Lab: Configure Windows System Settings
- Assisted Lab: Use Management Consoles
- Assisted Lab: Use Task Manager
- Assisted Lab: Monitor Performance and Event Logs
- Assisted Lab: Use Command-line Tools
- APPLIED Lab: Support Windows 10
- Assisted Lab: Perform Windows 10 OS Installation
- Assisted Lab: Perform Ubuntu Linux OS Installation
- Assisted Lab: Install and Configure an Application
- Assisted Lab: Troubleshoot a Windows OS Issue
- Assisted Lab: Configure Windows Networking
- Assisted Lab: Configure Folder Sharing in a Workgroup
- Assisted Lab: Manage Linux using Command-line Tools
- Assisted Lab: Manage Files using Linux Command-line Tools
- APPLIED Lab: Support and Troubleshoot Network Hosts
- Assisted Lab: Configure SOHO Router Security
- Assisted Lab: Configure Workstation Security
- Assisted Lab: Configure Browser Security
- Assisted Lab: Troubleshoot Security Issues Scenario #1
- APPLIED Lab: Troubleshoot Security Issues Scenario #2
- Assisted Lab: Use Remote Access Technologies
- Assisted Lab: Implement Backup and Recovery
- Assisted Lab: Implement a PowerShell Script
- Assisted Lab: Implement Bash Script
- Assisted Lab: Manage a Support Ticket

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VIRTUAL CLASSROOM LIVE	$3,195 USD	5 Day

Virtual Classroom Live Outline

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- 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

Virtual Classroom Live Labs

- Assisted Lab: Exploring the Lab Environment
- Assisted Lab: Installing a Motherboard
- Assisted Lab: Installing Power Supplies
- Assisted Lab: Installing and Configuring System Memory
- Assisted Lab: Installing RAM

- Assisted Lab: Installing CPU and Cooler
- Assisted Lab: Upgrading and Installing GPU and Daisy-Chain Monitors
- Assisted Lab: Exploring the Virtual Machine Lab Environment
- Assisted Lab: Compare Networking Hardware
- Assisted Lab: Compare Wireless Network Technologies
- Assisted Lab: Configure a SOHO Router
- Assisted Lab: Compare Protocols and Ports
- Assisted Lab: Troubleshoot a Network #1
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May 12 - 16, 2025 | 8:00 AM - 6:00 PM EDT

May 19 - 23, 2025 | 11:00 AM - 9:00 PM EDT

Jun 23 - 27, 2025 | 8:00 AM - 6:00 PM EDT

Jul 21 - 25, 2025 | 8:00 AM - 6:00 PM EDT

Aug 18 - 22, 2025 | 8:00 AM - 6:00 PM EDT

Aug 25 - 29, 2025 | 11:00 AM - 9:00 PM EDT

Sep 22 - 26, 2025 | 8:00 AM - 6:00 PM EDT

Oct 13 - 17, 2025 | 8:00 AM - 6:00 PM EDT

Nov 10 - 14, 2025 | 8:00 AM - 6:00 PM EST

Dec 8 - 12, 2025 | 8:00 AM - 6:00 PM EST

Jan 12 - 16, 2026 | 11:00 AM - 9:00 PM EST

Jan 19 - 23, 2026 | 8:00 AM - 6:00 PM EST

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PRIVATE GROUP TRAINING	5 Day

Visit us at www.globalknowledge.com or call us at 1-866-716-6688.