CompTIA A+ Certification Course - TTCT2201

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

Duration: 5 Days
Skill Level: Intermediate
Available Format: Instructor-Led Online ; On Public Schedule

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.

*Certification exam vouchers are available as an add-on for an additional fee.

What You'll Learn

Overview

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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.

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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

Audience

- Individuals seeking CompTIA A+ certification (220-1101 and 220-1102)

Pre-Requisites

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

Agenda

Lessons:

- Installing Motherboards and Connectors
- Installing System Devices
- Troubleshooting PC Hardware
- Comparing Local Networking Hardware
- Configuring Network Addressing and Internet Connections
- Supporting Network Services
- Summarizing Virtualization and Cloud Concepts
- Supporting Mobile Devices
- Supporting Print Devices
- Configuring Windows
- Managing Windows
- Identifying OS Types and Features
- Supporting Windows
- Managing Windows Networking
- Managing Linux and macOS
- Configuring SOHO Network Security
- Managing Security Settings
- Supporting Mobile Software
- Using Support and Scripting Tools
- Implementing Operational Procedures

Hands-on 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

- 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

For More Information

Please contact us or call 844-475-4559 toll free for more information about our training services (instructor-led, self-paced or blended), coaching and mentoring services, public course enrollment or questions, partner programs, courseware licensing options and more.