

CompTIA A+ Core 2 (Exam 220-1202), Videos & Skill Labs Set

Course Specifications

Course Number: ACI77-004VL_rev1.0

Video and Lab Length: Approximately 34 hours, 48 minutes

Course Introduction

CompTIA A+ certified professionals are proven problem solvers who keep critical business technology running. They support a broad range of core technologies, including operating systems, cybersecurity, software troubleshooting, and operational procedures. CompTIA A+ remains the industry standard for launching IT careers in today's digital workforce. This course is designed to prepare you for the CompTIA A+ Core 2 (220-1202) certification exam. It offers a comprehensive curriculum aligned with official CompTIA objectives, providing you with the knowledge and confidence needed to succeed.

Video Enhanced Learning

(4h 48m * 4 Modules * 41 Episodes)

We've enhanced select lab sets with targeted video content to strengthen student readiness and improve lab success. With focused video learning, students get reinforcement of core concepts before they enter the lab, giving them the confidence and context needed to apply skills effectively. Support diverse learning styles, improve lab readiness, and drive stronger outcomes across today's most in-demand skills.

Video Topics

1. Overview
2. Laptop Hardware and Components
3. Mobile Device Displays
4. Mobile Device Network Connections
5. Mobile Device Application Support
6. Ports and Protocols
7. Wireless Protocols
8. Networked Hosts and Services
9. Domain Name System (DNS)
10. Dynamic Host Configuration Protocol (DHCP)

Course Outline

11. Networking Hardware
12. IP Address Format
13. IP Address Configuration
14. Internet Connection Types
15. Network Types
16. Network Tools
17. Mobile Device Ports and Accessories
18. Network Cables
19. Peripheral and Video Cables
20. Storage Device Cables
21. Random-access Memory
22. Storage Devices
23. Motherboards
24. BIOS and UEFI
25. Processors
26. Expansion Cards
27. Power Supplies
28. Printer Configuration
29. Printers
30. Cloud Models and Services
31. Virtualization
32. Troubleshooting Methodology
33. Troubleshooting PC Components
34. Troubleshooting Storage
35. Troubleshooting Display Issues
36. Troubleshooting Mobile Devices
37. Troubleshooting Networks
38. Troubleshooting Printers

Skill Labs

(30h * 30 Labs)

A **skills lab** is a guided, hands-on learning environment that allows students to practice real-world tasks in a safe, virtual setting. Instead of simply reading or watching videos, learners actively do the work—navigating realistic scenarios, applying concepts, troubleshooting issues,

Course Outline

and building confidence through practical experience. This ensures that theory becomes usable skill. Skill labs are essential for developing true workplace readiness because they mirror real systems, tools, and challenges, helping learners bridge the gap between knowledge and performance. By completing a skills lab, students gain the hands-on competence employers expect and are better prepared for both assessments and real job responsibilities.

Skill Labs Topics

1. Operating System Types, Filesystems, and Lifecycle Compatibility (A+1202)
2. Operating System Installations and Upgrades (A+1202)
3. Windows Edition Features and Comparison (A+1202)
4. Windows Graphical and Command-line Management Tools (A+1202)
5. Windows Settings and Personalization (A+1202)
6. Windows Security Controls (A+1202)
7. Windows Networking Configuration (A+1202)
8. macOS and Linux Desktop Features and Utilities (A+1202)
9. Application and Cloud Service Deployment (A+1202)
10. Windows Local Security Controls (A+1202)
11. Windows Local Security Configuration (A+1202)
12. Wireless Security Protocols and Authentication (A+1202)
13. Malware Defense (A+1202)
14. Social Engineering Attacks (A+1202)
15. SOHO Malware Removal (A+1202)
16. System Hardening (A+1202)
17. Mobile Device Security Configuration (A+1202)
18. Data Destruction and Disposal Methods (A+1202)
19. SOHO Networking (A+1202)
20. Browser Security Hardening (A+1202)
21. Windows OS Troubleshooting (A+1202)
22. Mobile OS and Application Troubleshooting (A+1202)
23. Mobile Security Issue Troubleshooting (A+1202)
24. Personal Computer Security Troubleshooting (A+1202)
25. Documentation and Asset Management Best Practices (A+1202)
26. Change Management Process Implementation (A+1202)
27. Backup and Recovery Strategies (A+1202)
28. Safety Procedures and Environmental Controls (A+1202)

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- 29. Policy, Licensing, and Privacy Compliance (A+1202)
- 30. Scripting and AI (A+1202)