

CompTIA 220-1101 Exam Prep 2026

CompTIA 220-1101 A+ 2026. Hardware, cloud computing, and exam-focused practice scenarios.

[IT Certifications](#) Instructor: Brian Taylor • 5 sections • 49 lessons • 16.50h total

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About this course

This course is for IT professionals and career changers who want to pass the CompTIA 220-1101 exam. We cut through the noise and focus on the exact topics you will face, from hardware fundamentals to cloud computing concepts.

You will learn how to tackle each exam objective with step-by-step guides, practice scenarios, and downloadable study templates. We include real case study analysis and problem-solving sessions that mirror the actual exam format.

Course curriculum

Foundations and Exam Overview

- **Understanding the 220-1101 Exam Structure (12m)**
Learn the exam domains, question types, and scoring so you know exactly what to expect on test day.
- **Setting Up Your Study Plan for Success (8m)**
Get a downloadable study schedule template to organize your learning over 8-12 weeks.
- **Hardware Basics: Motherboards and CPUs (25m)**
Step-by-step guide to identifying motherboard components and choosing the right CPU for different scenarios.
- **RAM and Storage Devices Deep Dive (18m)**
Compare RAM types and storage solutions with real-world upgrade case studies.
- **Power Supplies and Cooling Systems (15m)**
Learn how to calculate power requirements and prevent overheating in practical setups.
- **Peripherals and Connectors Explained (14m)**
Hands-on guide to USB, HDMI, and other common connectors with troubleshooting tips.
- **Mobile Device Hardware Fundamentals (20m)**
Understand smartphone and tablet components and common failure points.
- **Virtualization and Cloud Basics (22m)**
Introduction to virtual machines and cloud concepts with practical deployment examples.

Core Operating Systems and Networking

- **Windows 11 Installation and Configuration (28m)**
Walk through a clean install process with post-installation optimization steps.
- **Linux Command Line Essentials (16m)**
Key commands for file management and system monitoring in Linux environments.
- **macOS Basics for IT Support (14m)**
Navigate macOS settings and common support tasks for Apple devices.
- **Mobile OS: Android and iOS Management (19m)**
Configure security settings and troubleshoot common mobile OS issues.
- **Network Models and Protocols Demystified (24m)**
OSI and TCP/IP models explained with real network diagram examples.
- **Configuring Wired and Wireless Networks (22m)**
Step-by-step setup of home and small office networks with security best practices.
- **IP Addressing and Subnetting Practice (32m)**
Hands-on subnetting exercises with downloadable cheat sheets.
- **Troubleshooting Network Connectivity Issues (20m)**
Systematic approach to diagnosing and fixing common network problems.
- **Introduction to SOHO Network Security (18m)**
Basic firewall configuration and wireless security settings for small offices.

Hardware and Network Troubleshooting

- **PC Boot Failure Diagnostic Process (26m)**
Follow a flowchart-based troubleshooting method for startup issues.
- **Display and Graphics Problems Solutions (17m)**
Identify and fix common display issues with practical repair scenarios.
- **Printer and Peripheral Troubleshooting (15m)**
Step-by-step guide to resolving printer jams, connectivity, and quality issues.
- **Mobile Device Hardware Repair Basics (23m)**
Safe disassembly techniques and common replacement procedures.
- **Network Performance Issues and Fixes (21m)**
Use tools like ping and traceroute to diagnose slow network performance.
- **Wireless Network Troubleshooting Toolkit (19m)**
Signal strength analysis and interference resolution methods.
- **Virtualization and Cloud Troubleshooting (25m)**
Common VM and cloud service issues with resolution strategies.
- **Security Incident Response Basics (14m)**
Initial steps for handling suspected malware or unauthorized access.

Security and Operational Procedures

- **Implementing Basic Security Measures (20m)**
Apply security best practices for devices, data, and networks in real scenarios.
- **Password Management and Authentication (16m)**
Set up and troubleshoot multi-factor authentication systems.
- **Malware Removal and Prevention Techniques (27m)**
Step-by-step malware cleanup process with prevention checklists.
- **Data Backup and Recovery Strategies (22m)**
Create and test backup plans using built-in and third-party tools.
- **Physical Security for IT Equipment (12m)**
Practical measures to secure devices in various environments.
- **Change Management and Documentation (18m)**
Learn to document changes and maintain system records effectively.
- **Scripting Basics for Automation (30m)**
Write simple scripts to automate repetitive IT tasks.
- **Remote Support Tools and Techniques (19m)**
Use remote desktop and support software to assist users efficiently.
- **Asset Management and Inventory (15m)**
Set up a system to track hardware and software assets.
- **Environmental and Safety Considerations (11m)**
Follow proper procedures for equipment handling and disposal.

Practice, Review, and Exam Day

- **Full-Length Practice Exam 1 (35m)**
Timed exam simulation with detailed answer explanations for each question.
- **Full-Length Practice Exam 2 (35m)**
Second timed simulation focusing on weaker areas identified from first attempt.
- **Practice Exam 3: Performance-Based Questions (38m)**
Hands-on performance tasks that mirror the actual exam format.
- **Reviewing Weak Areas: Hardware Focus (24m)**
Targeted review session for hardware topics with additional practice questions.
- **Reviewing Weak Areas: Networking Focus (22m)**
Deep dive into networking concepts with diagram exercises.
- **Reviewing Weak Areas: OS and Security Focus (26m)**
Consolidate knowledge on operating systems and security procedures.
- **Time Management Strategies for the Exam (14m)**
Techniques to pace yourself and avoid common time traps.
- **Test-Taking Strategies and Mindset (16m)**
Mental preparation and strategies for handling difficult questions.
- **Exam Day Checklist and Logistics (10m)**
What to bring, what to expect at the testing center, and post-exam steps.
- **Career Pathways After A+ Certification (18m)**
Explore next steps in IT career development and further certifications.
- **Final Review and Confidence Building (20m)**
Comprehensive review of key concepts and final confidence-building exercises.
- **Course Wrap-Up and Next Steps (12m)**
Summary of what you've learned and resources for ongoing learning.
- **Bonus: Real-World Help Desk Scenarios (28m)**
Practice solving common help desk tickets using your new knowledge.
- **Bonus: Interview Preparation for IT Jobs (15m)**
Common IT interview questions and how to answer them effectively.

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