

# uCertify

## Course Outline

CompTIA A+ Core 1 (220-1201)



30 Oct 2025

1. Pre-Assessment
2. Exercises, Quizzes, Flashcards & Glossary  
Number of Questions
3. Expert Instructor-Led Training
4. ADA Compliant & JAWS Compatible Platform
5. State of the Art Educator Tools
6. Award Winning Learning Platform (LMS)
7. Chapter & Lessons  
Syllabus  
Chapter 1: Introduction Volume 1: Core 1 Exam 220-1201  
Chapter 2: Motherboards, Processors, and Memory  
Chapter 3: Expansion Cards, Storage Devices, and Power Supplies  
Chapter 4: Peripherals, Cables, and Connectors  
Chapter 5: Laptop and Mobile Device Hardware  
Chapter 6: Printers and Multifunction Devices  
Chapter 7: Networking Fundamentals  
Chapter 8: Introduction to TCP/IP  
Chapter 9: Network Services  
Chapter 10: Wireless and SOHO Networking  
Chapter 11: Mobile Connectivity and Application Support  
Chapter 12: Virtualization and Cloud Computing  
Chapter 13: Core Hardware and Network Troubleshooting  
Chapter 14: Mobile Device, Display, and Printer Troubleshooting  
Videos and How To
8. Practice Test  
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Features
9. Live labs

Lab Tasks

Here's what you get

10. Post-Assessment

## 1. Pre-Assessment

Pre-Assessment lets you identify the areas for improvement before you start your prep. It determines what students know about a topic before it is taught and identifies areas for improvement with question assessment before beginning the course.

## 2. Exercises

There is no limit to the number of times learners can attempt these. Exercises come with detailed remediation, which ensures that learners are confident on the topic before proceeding.

**385**  
EXERCISES

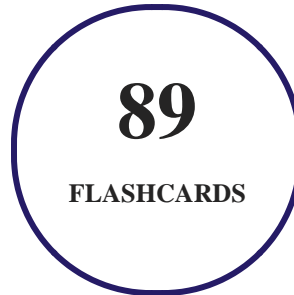
## 3. Quiz

Quizzes test your knowledge on the topics of the exam when you go through the course material. There is no limit to the number of times you can attempt it.

**260**  
QUIZ

## 4. flashcards

Flashcards are effective memory-aiding tools that help you learn complex topics easily. The flashcard will help you in memorizing definitions, terminologies, key concepts, and more. There is no limit to the number of times learners can attempt these. Flashcards help master the key concepts.



## 5. Glossary of terms

uCertify provides detailed explanations of concepts relevant to the course through Glossary. It contains a list of frequently used terminologies along with its detailed explanation. Glossary defines the key terms.



## 6. Expert Instructor-Led Training

uCertify uses the content from the finest publishers and only the IT industry's finest instructors. They have a minimum of 15 years real-world experience and are subject matter experts in their fields. Unlike a live class, you can study at your own pace. This creates a personal learning experience and gives you all the benefit of hands-on training with the flexibility of doing it around your schedule 24/7.

## 7. ADA Compliant & JAWS Compatible Platform

uCertify course and labs are ADA (Americans with Disability Act) compliant. It is now more accessible to students with features such as:

- Change the font, size, and color of the content of the course
- Text-to-speech, reads the text into spoken words
- Interactive videos, how-tos videos come with transcripts and voice-over
- Interactive transcripts, each word is clickable. Students can clip a specific part of the video by clicking on a word or a portion of the text.

JAWS (Job Access with Speech) is a computer screen reader program for Microsoft Windows that reads the screen either with a text-to-speech output or by a Refreshable Braille display. Student can easily navigate uCertify course using JAWS shortcut keys.

## 8. State of the Art Educator Tools

uCertify knows the importance of instructors and provide tools to help them do their job effectively. Instructors are able to clone and customize course. Do ability grouping. Create sections. Design grade scale and grade formula. Create and schedule assessments. Educators can also move a student from self-paced to mentor-guided to instructor-led mode in three clicks.

## 9. Award Winning Learning Platform (LMS)

uCertify has developed an award winning, highly interactive yet simple to use platform. The SIIA CODiE Awards is the only peer-reviewed program to showcase business and education technology's finest products and services. Since 1986, thousands of products, services and solutions have been recognized for achieving excellence. uCertify has won CODiE awards consecutively for last 7 years:

- **2014**
  1. Best Postsecondary Learning Solution

- **2015**

1. Best Education Solution
2. Best Virtual Learning Solution
3. Best Student Assessment Solution
4. Best Postsecondary Learning Solution
5. Best Career and Workforce Readiness Solution
6. Best Instructional Solution in Other Curriculum Areas
7. Best Corporate Learning/Workforce Development Solution

- **2016**

1. Best Virtual Learning Solution
2. Best Education Cloud-based Solution
3. Best College and Career Readiness Solution
4. Best Corporate / Workforce Learning Solution
5. Best Postsecondary Learning Content Solution
6. Best Postsecondary LMS or Learning Platform
7. Best Learning Relationship Management Solution

- **2017**

1. Best Overall Education Solution
2. Best Student Assessment Solution
3. Best Corporate/Workforce Learning Solution
4. Best Higher Education LMS or Learning Platform

- **2018**

1. Best Higher Education LMS or Learning Platform
2. Best Instructional Solution in Other Curriculum Areas
3. Best Learning Relationship Management Solution

- **2019**

1. Best Virtual Learning Solution
2. Best Content Authoring Development or Curation Solution
3. Best Higher Education Learning Management Solution (LMS)

- 2020
  1. Best College and Career Readiness Solution
  2. Best Cross-Curricular Solution
  3. Best Virtual Learning Solution

## 10. Chapter & Lessons

uCertify brings these textbooks to life. It is full of interactive activities that keeps the learner engaged. uCertify brings all available learning resources for a topic in one place so that the learner can efficiently learn without going to multiple places. Challenge questions are also embedded in the chapters so learners can attempt those while they are learning about that particular topic. This helps them grasp the concepts better because they can go over it again right away which improves learning.

Learners can do Flashcards, Exercises, Quizzes and Labs related to each chapter. At the end of every lesson, uCertify courses guide the learners on the path they should follow.

### Syllabus

#### Chapter 1: Introduction Volume 1: Core 1 Exam 220-1201

- What Is CompTIA A+ Certification?
- What Does This Course Cover?
- The CompTIA A+ Exam Objectives for Core 1 220-1201

#### Chapter 2: Motherboards, Processors, and Memory

- Understanding Motherboards
- Understanding Processors

- Understanding Memory
- Understanding Cooling Systems
- Summary
- Exam Essentials

### Chapter 3: Expansion Cards, Storage Devices, and Power Supplies

- Installing and Configuring Expansion Cards
- Understanding Storage Devices
- Understanding Power Supplies
- Summary
- Exam Essentials

### Chapter 4: Peripherals, Cables, and Connectors

- Understanding Peripheral Devices
- Understanding Cables and Connectors
- Summary
- Exam Essentials

### Chapter 5: Laptop and Mobile Device Hardware

- Working with Laptop and Mobile Device Hardware
- Summary
- Exam Essentials

## Chapter 6: Printers and Multifunction Devices

- Understanding Print Technologies and Imaging Processes
- Installing and Maintaining Printers
- Summary
- Exam Essentials

## Chapter 7: Networking Fundamentals

- Understanding Networking Principles
- Identifying Common Network Hardware
- Summary
- Exam Essentials

## Chapter 8: Introduction to TCP/IP

- Understanding TCP/IP
- Understanding Virtual Networks

- Summary
- Exam Essentials

## Chapter 9: Network Services

- Understanding Network Services
- Summary
- Exam Essentials

## Chapter 10: Wireless and SOHO Networking

- Understanding Wireless Networking Technologies
- Installing and Configuring SOHO Networks
- Summary
- Exam Essentials

## Chapter 11: Mobile Connectivity and Application Support

- Understanding Mobile Connectivity
- Understanding Mobile App Support
- Summary
- Exam Essentials

## Chapter 12: Virtualization and Cloud Computing

- Understanding Virtualization
- Understanding Cloud Computing
- Summary
- Exam Essentials

## Chapter 13: Core Hardware and Network Troubleshooting

- Understanding Troubleshooting Best Practices
- Troubleshooting Motherboards, RAM, CPUs, and Power Problems
- Troubleshooting Drives and RAID Arrays
- Troubleshooting Networking Problems
- Summary
- Exam Essentials

## Chapter 14: Mobile Device, Display, and Printer Troubleshooting

- Troubleshooting Video, Projector, and Display Issues
- Troubleshooting Common Mobile Device Issues
- Troubleshooting Printer Issues

- Summary
- Exam Essentials

## Videos and How To

uCertify course includes videos to help understand concepts. It also includes How Tos that help learners in accomplishing certain tasks.

**40**  
VIDEOS

**13:19**  
HOURS

## 11. Practice Test

Here's what you get

**90**  
PRE-ASSESSMENTS  
QUESTIONS

**2**  
FULL LENGTH TESTS

**90**  
POST-ASSESSMENTS  
QUESTIONS

## Features

Each question comes with detailed remediation explaining not only why an answer option is correct but also why it is incorrect.

### **Unlimited Practice**

Each test can be taken unlimited number of times until the learner feels they are prepared. Learner can review the test and read detailed remediation. Detailed test history is also available.

Each test set comes with learn, test and review modes. In learn mode, learners will attempt a question and will get immediate feedback and complete remediation as they move on to the next question. In test mode, learners can take a timed test simulating the actual exam conditions. In review mode, learners can read through one item at a time without attempting it.

## 12. **Live Labs**

The benefits of live-labs are:

- Exam based practical tasks
- Real equipment, absolutely no simulations
- Access to the latest industry technologies
- Available anytime, anywhere on any device
- Break and Reset functionality
- No hardware costs

## **Lab Tasks**

### **Motherboards, Processors, and Memory**

- Replacing the RAM in a Laptop
- Configuring Virtual Memory
- Connecting Internal Components of a Desktop

## **Expansion Cards, Storage Devices, and Power Supplies**

- Installing the Sound Card
- Replacing the Internal HDD
- Connecting an External Hard Disk
- Inserting and Ejecting a USB Drive
- Installing an SD Card
- Creating RAID Arrays
- Replacing SMPS
- Protecting the Computer Using a UPS

## **Peripherals, Cables, and Connectors**

- Adjusting Display Settings
- Connecting a Desktop
- Connecting a Wireless Mouse and Keyboard
- Connecting an External Speaker and Headphones

## **Laptop and Mobile Device Hardware**

- Replacing the SSD in a Laptop
- Connecting a Docking Station

## **Printers and Multifunction Devices**

- Enabling and Disabling a Device Driver
- Sharing a Printer
- Installing a Printer
- Setting up a Wireless Inkjet Printer

## **Networking Fundamentals**

- Creating a Bus Topology
- Connecting to a DSL Network
- Connecting to a Cable Modem
- Connecting to an Ethernet Network

## **Introduction to TCP/IP**

- Configuring an IPv4 Address
- Configuring an IPv6 Address
- Configuring a DNS Server
- Configuring a DHCP Server
- Configuring NAT
- Exploring APIPA and Loopback Addresses
- Configuring an SSH Server
- Capturing Packets Using Wireshark
- Creating a VLAN
- Adding a VPN Network

## **Network Services**

- Casting an Android Device to a Television

## **Wireless and SOHO Networking**

- Implementing a SOHO Network
- Configuring a Router
- Creating a Home Wireless Network
- Configuring a Router Manually
- Changing the Password for the Router
- Configuring the SSID

## **Mobile Connectivity and Application Support**

- Connecting an iPhone to a Laptop via Bluetooth
- Connecting a Laptop to a Personal Mobile Hotspot
- Setting a Data-Usage Limit
- Connecting an iPhone to Wi-Fi
- Installing an App and Configuring Permission Settings
- Configuring Email and Synchronization on Mobile Devices

## Virtualization and Cloud Computing

- Joining a Workstation to an AD Domain
- Creating a VM in Azure
- Setting Up Azure Storage and Uploading a File
- Creating an Azure IoT Hub
- Creating and Deploying a Web App

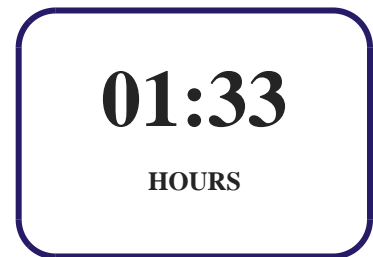
## Core Hardware and Network Troubleshooting

- Troubleshooting Memory Issue of a Desktop
- Troubleshooting the Slow Performance Issue
- Troubleshooting IP Addressing Issues

## Mobile Device, Display, and Printer Troubleshooting

- Replacing a Laptop Battery

## Here's what you get



## 13. Post-Assessment

After completion of the uCertify course Post-Assessments are given to students and often used in conjunction with a Pre-Assessment to measure their achievement and the effectiveness of the exam.

You can't stay away! Get  
in touch with our team to