uCertify

Course Outline

CompTIA A+ (220-1201 and 220-1202) Labs

04 Aug 2025

1. Expert Instructor-Led Training
2. ADA Compliant & JAWS Compatible Platform
3. State of the Art Educator Tools
4. Award Winning Learning Platform (LMS)
5. Live labs

Lab Tasks

Here's what you get

1. 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.

2. 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.

3. 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.

4. 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

5. 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

Mobile Devices

- Connecting an iPhone to a Laptop via Bluetooth
- Connecting a Laptop to a Personal Mobile Hotspot
- Casting an Android Device to a Television
- Connecting a Docking Station
- Implementing MFA on Mobile Devices
- Installing App and Configuring Permission Settings
- Performing a Factory Reset on an Android Phone

Networking

- Updating iPhone iOS and Security Patches
- Configuring a DNS Server
- Creating an Azure IoT Hub
- Configuring a DHCP Server
- Adding a VPN Network
- Creating a VLAN
- Connecting to a DSL Network
- Connecting to a Cable Modem
- Connecting to an Ethernet Network
- Configuring a Router
- Configuring an IPv4 Address
- Configuring an IPv6 Address
- Creating a Home Wireless Network
- Configuring NAT
- Implementing a SOHO Network
- Creating a Bus Topology
- Exploring APIPA and Loopback Addresses

Hardware

- Adjusting Display Settings
- Enabling and Disabling a Device Driver
- Connecting an External Speaker and Headphones
- Connecting a Wireless Mouse and Keyboard
- Connecting a Desktop
- Configuring Advanced Network Adapter Settings
- Configuring NIC Teaming
- Connecting an External Hard Disk
- Inserting and Ejecting a USB Drive
- Installing an SD Card
- Replacing the Internal HDD
- Creating RAID Arrays
- Replacing a Laptop Battery
- Connecting Internal Components of a Desktop
- Installing the Sound Card
- Replacing SMPS
- Protecting the Computer Using a UPS
- Configuring Email and Synchronization on Mobile Devices
- Setting up a Wireless Inkjet Printer

Virtualization and Cloud Computing

- Creating a VM in Azure
- Setting Up Azure Storage and Uploading a File
- Creating and Deploying a Web App

Hardware and Network Troubleshooting

- Troubleshooting Memory Issue of a Desktop
- Troubleshooting the Slow Performance Issue
- Replacing the RAM in a Laptop
- Replacing the SSD in a Laptop
- Troubleshooting IP Addressing Issues

Operating Systems

- Converting a FAT32 Partition to NTFS

- Configuring iPad Access Control and Authentication
- Setting Up Mobile Device Encryption and Backup on an iPad
- Setting Up and Using Network File Sharing
- Creating a Swap Partition
- Personalizing Windows
- Using the Remote Desktop Service
- Formatting and Cleaning a Disk
- Creating a Volume with Disk Management
- Performing Disk Cleanup
- Using Task Manager for Performance Analysis
- Monitoring System Performance Using Resource Monitor
- Using Performance Monitor
- Using Task Scheduler
- Converting a Basic Disk to a Dynamic Disk
- Creating a Storage Pool
- Exploring Windows Registry
- Viewing Logs in Windows Event Viewer
- Configuring Virtual Memory
- Managing Users and Groups in Windows
- Creating a VHD
- Creating and Managing Dynamic Disks
- Adding an MMC Snap-in
- Creating a Volume with Diskpart
- Using the ipconfig and ifconfig Commands
- Diagnosing Network Issues Using Command-Line Utilities
- Setting Up a User Account
- Installing a Printer
- Creating a Power Plan
- Configuring Display Language, Region, and Keyboard Layout
- Configuring Windows Update
- Configuring Windows Defender Firewall
- Compressing and Extracting Files Using 7-Zip
- Enabling the Shadow Copies Feature
- Sharing a Printer
- Mapping a Network Drive
- Configuring Proxy Settings

- Observing Control Panel Options from Different Views
- Installing and Uninstalling an Application in Windows
- Using System Commands
- Configuring an IP Address in Linux
- Manipulating Files Using Command-Line Utilities
- Managing Files and Directories
- Managing Linux Processes
- Viewing Network Details Using Linux Commands
- Managing Linux Passwords
- Archiving and Compressing Files in Linux
- Searching for Files and Text in Linux
- Creating an Extended and Logical Partition
- Managing Linux File Permissions and Editing Text Files
- Installing an Application Based on System Requirements in Windows
- Using Microsoft Office 365 Tools

Security

- Setting a Data-Usage Limit
- Setting a Secure Passcode on iPhone
- Implementing Physical Security
- Capturing Packets Using Wireshark
- Creating an OU
- Configuring NTFS Permissions
- Encrypting a File Using EFS
- Using BitLocker to Encrypt a Drive
- Encrypting and Decrypting a File Using OpenSSL
- Configuring UAC Settings
- Enforcing Password Settings
- Sharing a Folder with a Specific User and Group
- Configuring Group Policy Management
- Mounting a Drive to a Folder
- Managing File Attributes and Permissions
- Configuring Folder Redirection in Windows
- Implementing PGP for Secure Email and File Encryption
- Performing Symmetric and Asymmetric Encryption

- Connecting an iPhone to Wi-Fi
- Examining Kerberos Settings
- Configuring Port Security on an Access Port
- Implementing Malware Protection on Linux
- Configuring a Windows Firewall
- Detecting Threats Using Windows Defender
- Configuring Firewall Rules and Monitoring Network Logs Using pfsense
- Using the SET Tool
- Simulating a DoS Attack
- Simulating a DDoS Attack
- Defending Against IP Spoofing
- Joining a Workstation to an AD Domain
- Configuring and Managing User Permissions in Windows
- Disabling a Service
- Configuring the SSID
- Changing the Password for the Router
- Configuring a Router Manually

Software Troubleshooting

- Jailbreaking an iPhone Exploring Customization and Risks
- Securing the Browser

Operational Procedures

- Reporting an Issue
- Creating a Restore Point
- Creating and Scheduling a Backup in Windows
- Creating Backups in Linux
- Configuring and Using File History
- Completing the Chain of Custody Form
- Creating and Executing a PowerShell Script
- Creating and Executing a Shell Script
- Creating and Executing a Python Script
- Configuring an SSH Server

Here's what you get

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LIVE LABS

149

VIDEO TUTORIALS

03:26

HOURS

You can't stay away! Get

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