CompTIA A+ - Part 1

Overview
This course provides the knowledge and skills you will require to be a successful A+ technician.

Target Audience
This course is designed for individuals who have basic computer user skills and who are interested in obtaining a job as an entry-level IT technician.

Course Objectives
In this course, you will install, configure, optimize, troubleshoot, repair, upgrade, and perform preventive maintenance on personal computers, digital devices, and operating systems.
You will:
- Support operating systems.
- 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.
- Install, configure, and maintain operating systems.
- Maintain and troubleshoot Microsoft Windows.
- Explain network infrastructure concepts.
- Configure and troubleshoot network connections.
- Manage users, workstations, and shared resources.
- Implement client virtualization and cloud computing.
- Implement physical security.
- Secure workstations and data.
- Troubleshoot workstation security issues.
- Support and troubleshoot laptops.
- Support and troubleshoot mobile devices.
- Install, configure, and troubleshoot print devices.
- Implement operational procedures.

Course Outline

Register Online

Schedule
Class Length: 5 Days
G2R = "Guaranteed to Run" | OLL = "Online LIVE"
ILT = "Instructor-Led-Training"

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1 - Supporting Operating Systems

Identify Common Operating Systems
Troubleshooting Methodology
Use Windows Features and Tools
Manage Files in Windows
Manage Disks in Windows
Manage Devices in Windows

2 - Installing and Configuring PC Components

Use Appropriate Safety Procedures
PC Components
Common Connection Interfaces
Install Peripheral Devices

3 - Installing, Configuring, and Troubleshooting Display and Multimedia Devices

Install and Configure Display Devices
Troubleshoot Display Devices
Install and Configure Multimedia Devices

4 - Installing, Configuring, and Troubleshooting Storage Devices

Install System Memory
Install and Configure Mass Storage Devices
Install and Configure Removable Storage
Configure RAID
Troubleshoot Storage Devices

5 - Installing, Configuring, and Troubleshooting Internal System Components

Install and Upgrade CPUs
Configure and Update BIOS/UEFI
Install Power Supplies
Troubleshoot Internal System Components
Configure a Custom PC

6 - Installing, Configuring, and Maintaining Operating Systems

Configure and Use Linux
Configure and Use macOS
Install and Upgrade Operating Systems
Maintain OSs
7 - Maintaining and Troubleshooting Microsoft Windows

Install and Manage Windows Applications
Manage Windows Performance
Troubleshoot Windows

8 - Network Infrastructure Concepts

Wired Networks
Network Hardware Devices
Wireless Networks
Internet Connection Types
Network Configuration Concepts
Network Services

9 - Configuring and Troubleshooting Networks

Configure Network Connection Settings
Install and Configure SOHO Networks
Configure SOHO Network Security
Configure Remote Access
Troubleshoot Network Connections
Install and Configure IoT Devices

Technical

- Azure
- Dynamics CRM
- Exchange
- SharePoint
- Skype for Business
- SQL Server
- System Center
- Visual Studio
- Windows
- Windows Server
- Cisco
- Citrix
- Cloud and Big Data
- CompTIA
- Cybersecurity
- IBM
- ITIL
- Red Hat
- VMware

Applications

- Office 365
- Access