



LEARNING PLAN

Introduction to IT

Develop the familiarity of the scope of technologies used across the information technology field to meaningfully engage with any IT professional. This learning path empowers you to feel comfortable and confident with computers, networks, information systems, information system management, and more. Upon completion of this learning path, you'll be ready to choose a Fundamentals path to begin your area of specialization in the IT field.

Areas of focus

- Introduction to IT topics
- Understand basic computer components
- Introduction to networking

Curriculum

VIDEOS FROM COURSE

CompTIA A+ 220-901	10 hours
<input type="checkbox"/> Course Introduction	4 min
<input type="checkbox"/> Using Your A+ Flash Cards!	4 min
<input type="checkbox"/> BIOS/UEFI	20 min
<input type="checkbox"/> Motherboards	9 min
<input type="checkbox"/> RAM	17 min
<input type="checkbox"/> PC Expansion Cards	9 min
<input type="checkbox"/> Optical, Magnetic, and Hot Swappable Storage	20 min
<input type="checkbox"/> SSD, RAID, Tape, and Capacity in Storage	18 min
<input type="checkbox"/> Hands-on Lab: Storage	6 min
<input type="checkbox"/> CPUs	23 min
<input type="checkbox"/> PC Interfaces	16 min
<input type="checkbox"/> Power Supplies	5 min
<input type="checkbox"/> Hands-on Lab: Build the Right PC	20 min
<input type="checkbox"/> Hands-on Lab: The Blade Server	7 min
<input type="checkbox"/> Display Devices	19 min
<input type="checkbox"/> PC Cables and Connectors	4 min
<input type="checkbox"/> Common Peripherals	11 min
<input type="checkbox"/> Hands-on Lab: SOHO Multifunction Devices	13 min
<input type="checkbox"/> Print Technologies	11 min
<input type="checkbox"/> Printer Maintenance	14 min
<input type="checkbox"/> Network Cables and Connectors	26 min
<input type="checkbox"/> Hands-on Lab: TCP/IP	15 min
<input type="checkbox"/> TCP and UDP Ports	10 min

Current Plan

INTRODUCTORY LEVEL

[Introduction to IT](#)



Possible Next Plans

ASSOCIATE LEVEL

[Understanding the End-User](#)
[Working with Developers & DevOps](#)
[Virtualization Concepts](#)
[Cloud Computing Fundamentals](#)
[Information Security Fundamentals](#)

VIDEOS FROM COURSE

CompTIA A+ 220-901 (cont.)

<input type="checkbox"/>	Hands-on Lab: Ports	4 min
<input type="checkbox"/>	DHCP and DNS	15 min
<input type="checkbox"/>	Other Network Protocols	7 min
<input type="checkbox"/>	TCP versus UDP	9 min
<input type="checkbox"/>	WiFi Standards	11 min
<input type="checkbox"/>	Hands-on Lab: SOHO Wireless Router	21 min
<input type="checkbox"/>	Hands-on Lab: Wireless Router Setup	11 min
<input type="checkbox"/>	Internet Connections	12 min
<input type="checkbox"/>	Network Devices	18 min
<input type="checkbox"/>	Networking Tools	7 min
<input type="checkbox"/>	Laptops	12 min
<input type="checkbox"/>	Laptop Displays	6 min
<input type="checkbox"/>	Laptop Features	15 min
<input type="checkbox"/>	Other Mobile Devices	11 min
<input type="checkbox"/>	Mobile Accessories and Ports	12 min
<input type="checkbox"/>	Hands-on Lab: The FitBit	3 min
<input type="checkbox"/>	Troubleshooting PC Hardware	11 min
<input type="checkbox"/>	Troubleshooting Storage	10 min
<input type="checkbox"/>	Troubleshooting Video	10 min
<input type="checkbox"/>	Troubleshooting Networking	20 min
<input type="checkbox"/>	Troubleshooting Mobile Devices	15 min
<input type="checkbox"/>	Troubleshooting Printers	11 min
<input type="checkbox"/>	Your CompTIA A+ 220-901 Exam	4 min

VIDEOS FROM COURSE

CompTIA A+ 220-902

8 hours

<input type="checkbox"/>	Course Introduction	3 min
<input type="checkbox"/>	Using Your Electronic Flash Cards	4 min
<input type="checkbox"/>	32-bit vs. 64-bit	8 min
<input type="checkbox"/>	Fun Windows Features	20 min
<input type="checkbox"/>	Upgrading Windows	10 min
<input type="checkbox"/>	Windows Install Boot Methods	5 min
<input type="checkbox"/>	Types of Windows Installations	14 min
<input type="checkbox"/>	Partitions and File Systems	15 min
<input type="checkbox"/>	Other Windows Installation Concerns	8 min
<input type="checkbox"/>	Hands-on Lab: Installing Windows	11 min
<input type="checkbox"/>	Hands-on Lab: Command line tools	15 min
<input type="checkbox"/>	Hands-on Lab: Administrative tools	12 min
<input type="checkbox"/>	Hands-on Lab: MSCONFIG	4 min
<input type="checkbox"/>	Hands-on Lab: Task manager	6 min
<input type="checkbox"/>	Hands-on Lab: Disk management	5 min
<input type="checkbox"/>	Other Tools	4 min
<input type="checkbox"/>	Hands-on Lab: System utilities	15 min

VIDEOS FROM COURSE

CompTIA A+ 220-902 (cont.)

<input type="checkbox"/>	Hands-on Lab: Control Panel	12 min
<input type="checkbox"/>	Hands-on Lab: Windows networking	16 min
<input type="checkbox"/>	Preventative Maintenance in Windows	6 min
<input type="checkbox"/>	Mac OS and Linux	13 min
<input type="checkbox"/>	Basic Linux Commands	8 min
<input type="checkbox"/>	Hands-on Lab: Client side virtualization	10 min
<input type="checkbox"/>	Basic Cloud Concepts	7 min
<input type="checkbox"/>	Networked Hosts	9 min
<input type="checkbox"/>	Mobile Operating Systems	16 min
<input type="checkbox"/>	Mobile Networking and Email	10 min
<input type="checkbox"/>	Mobile Device Sync	5 min
<input type="checkbox"/>	Common Security Threats	16 min
<input type="checkbox"/>	Common Prevention Methods	16 min
<input type="checkbox"/>	Windows Security Settings	16 min
<input type="checkbox"/>	Hands-on Lab: Securing a Workstation	11 min
<input type="checkbox"/>	Securing Mobile Devices	9 min
<input type="checkbox"/>	Data Destruction and Disposal	5 min
<input type="checkbox"/>	Hands-on Lab: Securing Wireless/Wired	8 min
<input type="checkbox"/>	Hands-on Lab: Common PC Problems – Symptoms	11 min
<input type="checkbox"/>	Hands-on Lab: Tools for PC Problems	8 min
<input type="checkbox"/>	Hands-on Lab: Security Problem Symptoms	9 min
<input type="checkbox"/>	Hands-on Lab: Security Tools	9 min
<input type="checkbox"/>	Hands-on Lab: Malware Removal	5 min
<input type="checkbox"/>	Troubleshoot Mobile Devices	17 min
<input type="checkbox"/>	Mobile Application and Security Issues	8 min
<input type="checkbox"/>	Safety Procedures	11 min
<input type="checkbox"/>	Environmental Controls	10 min
<input type="checkbox"/>	Enforcing Privacy	6 min
<input type="checkbox"/>	Proper Communication	9 min
<input type="checkbox"/>	Troubleshooting Theory	9 min
<input type="checkbox"/>	Your CompTIA A+ 220-902 Exam	4 min

VIDEOS FROM COURSE

CompTIA Network+ N10-006

17 hours

<input type="checkbox"/>	Welcome to Network+ N10-006	1 min
<input type="checkbox"/>	Describe Routers and Switches	16 min
<input type="checkbox"/>	Describe Firewalls and Load Balancers	9 min
<input type="checkbox"/>	Describe IDS, IPS, and HIDS	6 min
<input type="checkbox"/>	Describe Modems, Hubs, and VPN Concentrators	9 min
<input type="checkbox"/>	Describe Packet Shapers, Content Filters, and APs	10 min
<input type="checkbox"/>	DHCP Concepts	8 min
<input type="checkbox"/>	DHCP Configuration	15 min
<input type="checkbox"/>	DNS Concepts	12 min

VIDEOS FROM COURSE

CompTIA Network+ N10-006 (cont.)

<input type="checkbox"/>	Configure and Verify DNS	19 min
<input type="checkbox"/>	A Tale of Two Kings	9 min
<input type="checkbox"/>	The OSI Revealed	22 min
<input type="checkbox"/>	How ARP is Used	11 min
<input type="checkbox"/>	IPv4 Addressing and Subnetting	4 min
<input type="checkbox"/>	IPv4 Review	10 min
<input type="checkbox"/>	NAT	18 min
<input type="checkbox"/>	Configure IPv4 Addressing	14 min
<input type="checkbox"/>	Static and Default Routes	14 min
<input type="checkbox"/>	Dynamic IP Routing	10 min
<input type="checkbox"/>	Well-Known Ports	25 min
<input type="checkbox"/>	Packet/Network Analyzer	9 min
<input type="checkbox"/>	Hammer Game	11 min
<input type="checkbox"/>	Using VLANs for Isolation	20 min
<input type="checkbox"/>	802.1Q Trunking Concepts	10 min
<input type="checkbox"/>	Implementing Trunking	8 min
<input type="checkbox"/>	STP	15 min
<input type="checkbox"/>	Switch Management Concepts	26 min
<input type="checkbox"/>	Port Bonding (LACP)	12 min
<input type="checkbox"/>	Port Mirroring	7 min
<input type="checkbox"/>	Implementing Switch Management	19 min
<input type="checkbox"/>	WiFi Wireless LAN Concepts	26 min
<input type="checkbox"/>	Implementing an AP	16 min
<input type="checkbox"/>	UTP Cabling	21 min
<input type="checkbox"/>	Ethernet Standards	23 min
<input type="checkbox"/>	Troubleshooting Methodology	11 min
<input type="checkbox"/>	Troubleshooting Copper Cable	15 min
<input type="checkbox"/>	Troubleshooting Fiber Cable	6 min
<input type="checkbox"/>	CLI Tools for Troubleshooting	19 min
<input type="checkbox"/>	Troubleshooting Tools	16 min
<input type="checkbox"/>	Troubleshooting Wireless	19 min
<input type="checkbox"/>	Troubleshooting Common Network Problems	33 min
<input type="checkbox"/>	Intro to Wide Area Networks	15 min
<input type="checkbox"/>	WAN Technologies	20 min
<input type="checkbox"/>	VPNs	19 min
<input type="checkbox"/>	Virtualization	13 min
<input type="checkbox"/>	Network Based Storage	10 min
<input type="checkbox"/>	IPv6	6 min

VIDEOS FROM COURSE

CompTIA Network+ N10-006 (cont.)

<input type="checkbox"/>	Fault Tolerant Default Gateways	14 min
<input type="checkbox"/>	Considering Network Requirements	7 min
<input type="checkbox"/>	Physical Security Controls	5 min
<input type="checkbox"/>	Power Management	8 min
<input type="checkbox"/>	Network Topologies	15 min
<input type="checkbox"/>	Network Isolation	12 min
<input type="checkbox"/>	Unified Communications	15 min
<input type="checkbox"/>	Monitoring Tools	14 min
<input type="checkbox"/>	Routing Metrics	9 min
<input type="checkbox"/>	Interface Monitoring	6 min
<input type="checkbox"/>	Cables, Connectors, and Tools	15 min
<input type="checkbox"/>	Network Infrastructures	8 min
<input type="checkbox"/>	Cloud Services	9 min
<input type="checkbox"/>	Using a Baseline	7 min
<input type="checkbox"/>	Configuration Management	9 min
<input type="checkbox"/>	Applying Updates and Patches	5 min
<input type="checkbox"/>	Managing Risk	7 min
<input type="checkbox"/>	Denial of Service Attacks	14 min
<input type="checkbox"/>	Threats to Wireless	8 min
<input type="checkbox"/>	Threats and Vulnerabilities	14 min
<input type="checkbox"/>	Switch Port Security	9 min
<input type="checkbox"/>	Network Hardening Techniques	13 min
<input type="checkbox"/>	Firewall Features	20 min
<input type="checkbox"/>	Network Access Control Models	5 min
<input type="checkbox"/>	Computer Forensics	4 min
<input type="checkbox"/>	Common Security Issues	17 min
<input type="checkbox"/>	WAN Troubleshooting	19 min
<input type="checkbox"/>	Policies, Procedures, and Safety	9 min
<input type="checkbox"/>	Change Control	5 min
<input type="checkbox"/>	Racks, Labels, and More	6 min