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

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

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

VIDEOS FROM COURSE

CompTIA A+ 220-902 (cont.)

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

VIDEOS FROM COURSE

CompTIA Network+ N10-006

- Welcome to Network+ N10-006 1 min
- Describe Routers and Switches 16 min
- Describe Firewalls and Load Balancers 9 min
- Describe IDS, IPS, and HIDS 6 min
- Describe Modems, Hubs, and VPN Concentrators 9 min
- Describe Packet Shapers, Content Filters, and APs 10 min
- DHCP Concepts 8 min
- DHCP Configuration 15 min
- DNS Concepts 12 min
VIDEOS FROM COURSE
**CompTIA Network+ N10-006** (cont.)

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

---

VIDEOS FROM COURSE
**CompTIA Network+ N10-006** (cont.)

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