

NETWORK & SYSTEMS

A D M I N I S T R A T O R

Learn to
Install and
Maintain **Key**
Computer
Systems

 **New Horizons**[®]
Learn What Earns

5 Reasons Why the I.T. Industry Is a Great Career Choice

If you're looking into possibilities for a new profession or a career change, the I.T. industry might be at the top of your list. It's one of the fastest growing sectors worldwide providing jobs full of opportunities for professional success. And if you're willing to accept the challenge it is highly rewarding throughout life. To help you make your decision, here are five reasons to start a career in I.T.:

1. Quick Employment

Tech companies are looking to hire I.T. professionals because demand is high and there aren't enough qualified workers to fill the gap. And the trend won't end anytime soon, as the tech industry is set to grow another 22-38% by 2020. The demand is so high, that certified professionals can easily find work even without a college degree.

2. A Variety of Career Opportunities

Information Technology is not an isolated industry. It overlaps with every other sector, which makes it a versatile career opportunity. From healthcare to agriculture, digital transformation is driving change in all spheres of business which allows I.T. professionals to choose a career that aligns with their interests.

3. Easy Career Growth

As technology improves, I.T. professionals evolve alongside it. But with the constant pursuit of knowledge, it allows them to grow their careers much faster and easier than in other industries. It is not unheard of for tech professionals to start at entry level, and move to a mid-level managerial position within a few years.

4. It Pays Well

Tech professionals are esteemed for their unique skill sets. That makes them invaluable assets in any business. Therefore, when it comes to their financial compensation for their work, it is substantially higher than the average norm even at junior or entry-level positions.

For example, depending on the industry and location a software engineer (with experience) can earn an average salary of around \$83,000, which is considerably more than the national average in the United States.

5. A Reasonable Education

Every job in the I.T. industry requires a unique set of skills. To qualify for a position, candidates usually have to demonstrate the right amount of technical expertise and provide proof of education and some experience.

However, what skilled professionals don't necessarily need is a 4-year university degree. If they have the right certification and display an aptitude for completing tasks, they usually receive an entry-level position.

And when it comes to certification training programs, they are faster and far less expensive than a full degree in Computer Sciences. So, anyone with enough desire to start a career in I.T. is very achievable, even when you want to start from scratch.

Network and Systems Administrator

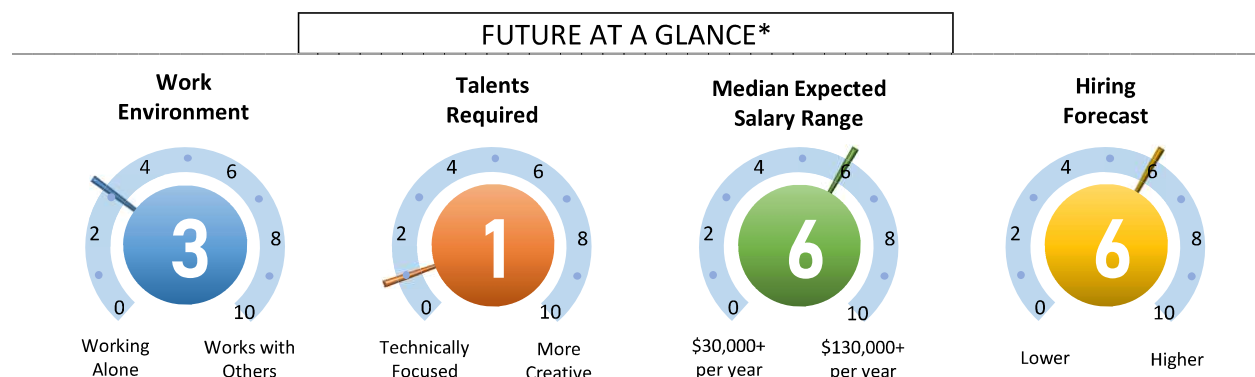
Are you ready for the challenge to build and secure a computer network? An environment where success is measured by 99+% “up time?” If you love building systems and troubleshooting issues, then a career as a Network Systems Administrator is for you. This training is the prerequisite for entry-level IT network opportunities. You’ll learn installation, configuration, and troubleshooting of common networking systems. In addition to learning the hands-on operation, you’ll explore network theory, implementation, data delivery, analysis and more. The technical knowledge you’ll learn will accompany your natural problem solving, reasoning and comprehension to start you in a career in IT.

What will you do with it? Your users will count on you to keep the computer network operational and optimized for their use. You’ll spend your days implementing security measures, creating electronic backups, resolving network issues and troubleshooting applications. Day after day, issue after issue, you’ll hone your knowledge and skills improving your ability to build and maintain computer networks.

Personal Skills Needed

- Critical Thinking
- Judgment and decision making
- Systems analysis
- Reading comprehension
- Troubleshooting
- Complex problem solving

Does this job fit you?



* According to the U.S. Department of Labor. A proud partner of the [americanjobcenternetwork](#).

Your New Understanding and Skills Include:

- Install, configure and support local area network (LAN), wide area network (WAN) and internet systems
- Network monitoring
- Monitor and test website performance
- Network modeling
- Network analysis and planning

Other Career Paths Available But Not Limited To:

- Network technician
- Network support and admin
- Information Systems Manager
- Systems Administrator



Program Includes:

- 40 hours of live CompTIA IT Network+ Certification Training (with free re-take option)
- Preparatory Materials for the Certification Exams (1)
- Practice Exams for the Certification Exams (1)
- Certification Exams: *CompTIA Network+ N10-007*
- Over 140 Hours of Bonus Material, such as complete courses on:

CompTIA A+ 220-1001
CompTIA Security+ SY0-501

CompTIA A+ 220-1002
CompTIA Server+ SK0-004

Successful Completion of this Program Includes:

- Learning the skills needed to become a Network Professional
- Earning the Network+ Certification Designation
- Learning a multitude of interpersonal, professional, and network skills to help you become successful in your new career!
- (Program includes access to over 360 hours of self-paced **certified** On-Line Anytime (OLA) Courses to assist you even after you are employed in your new career.)

Program Format: Online, in person and self-study

Time: 4 Weeks

Cost: \$4,630



Classes and materials provided by New Horizons of Wisconsin, the state's largest technology and business skills training organization. All classes are certified and/or authorized by the developer.

This program is approved by the Wisconsin Department of Workforce Development and is listed on the Eligible Training Provider List (ETPL) Portal.

Success Stories Start Here

CompTIA Network+ helps develop a career in IT infrastructure by covering troubleshooting, configuring, and managing networks. This certification validates the hands-on skills needed to work with both wired and wireless networks, and also included are emerging technologies such as unified communications, mobile, cloud, and virtualization technologies. This powerful credential will help take your IT career to the next level.



20%

Increase of open IT network positions projected by 2026

\$79,700

The median annual wage for Network and Computer System Administrators

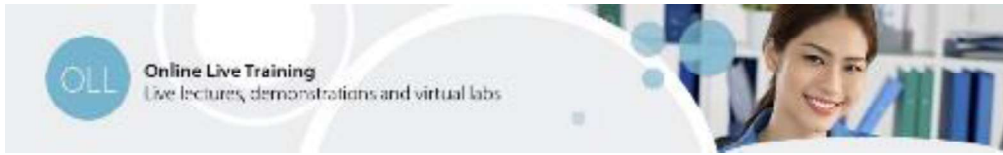
96%

Of managers use certifications as recruitment criteria

Why Network+ Certification?

Network+ is offered by the Computing Technology Industry Association (CompTIA) which is the top vendor-neutral provider of IT certs. Some of you might be thinking, “Why take CompTIA Network+ first and not jump into Cisco Certified Network Associate certification (CCNA) path right away?”. While you could jump straight into the CCNA path, However, Cisco assumes that you have prior networking experience and specifically with their routing and switching equipment. It is good to have a mix of certifications on your resume, and as a beginner in IT or with networking, Network+ is the best certification to start. Additionally, going vendor-neutral can sometimes be a good thing because the focus isn't on the hardware, but more on the logical framework of the technology. Networking is important for obvious reasons. If you don't have network connectivity, you can't expect to do much from your desk.





This is the outline for your 5 day LIVE class with an expert to prepare you for a career in Information Technology. You will need be serious about your career and prepared to learn. We will train you on everything below!

1 - NETWORK THEORY

- Network Types
- Network Standards and the OSI Model
- Data Transmission Methods

2 - BOUNDED NETWORK MEDIA

- Copper Media
- Fiber Optic Media
- Bounded Network Media Installation

3 - UNBOUNDED NETWORK MEDIA

- Wireless Networking
- Wireless Network Devices and Components
- Implement Wireless Technology
- Internet of Things

4 - NETWORK IMPLEMENTATIONS

- Physical Network Topologies
- Logical Network Topologies
- Ethernet Networks
- Network Devices

5 - TCP/IP ADDRESSING AND DATA DELIVERY

- The TCP/IP Protocol Suite
- IPv4 Addressing
- Default IP Addressing Schemes
- Create Custom IP Addressing Schemes

- IPv6 Addressing

6 - ROUTING AND SWITCHING

- Switching
- Network Packet Routing
- Static and Dynamic IP Routing
- VLANs

7 - TCP/IP IMPLEMENTATION

- Configure IP Addresses
- Naming Services
- TCP/IP Utilities
- Common TCP/IP Protocols

8 - NETWORK SECURITY ANALYSIS

- Introduction to Network Security
- Network Security Policies
- Physical Security
- Common Network Attacks

9 - NETWORK SECURITY IMPLEMENTATION

- Authentication
- Access Control
- Port, Service, and Protocol Security
- Wireless Network Security
- Patches and Updates
- Mitigation Techniques

10 - WAN INFRASTRUCTURE

- WAN Basics
- WAN Connectivity Methods
- WAN Transmission Technologies

- VoIP

11 - CLOUD AND VIRTUALIZATION TECHNIQUES

- Virtualization Technologies
- Network Storage Technologies
- Cloud Computing

12 - REMOTE NETWORKING

- Remote Network Architectures
- Remote Access Networking Implementations
- Virtual Private Networking

13 - NETWORK MANAGEMENT

- Monitor Networks
- Document the Network
- Establish Baselines
- Optimize Network Performance
- Ensure Business Continuity

14 - TROUBLESHOOTING NETWORK ISSUES

- Network Troubleshooting Methodology
- Network Troubleshooting Tools
- Troubleshoot Wired Connectivity and Performance Issues
- Troubleshoot Wireless Connectivity and Performance Issues
- Troubleshoot Network Service Issues



Online
Learning



Learning
Anytime

This portion of your job skills program focuses on helping your personal improvement, which will help you succeed in the future. Below you will find the detailed listing of dozens of hours of professionally created and delivered content that will provide you with the additional skills that you will need to succeed at your new career! This is your On-Line Anytime (OLA) library, and you will have access to these titles, and thousands more, for a full year!

Asset Type	Title	Beginner / Intermediate/ Advanced	Estimated Duration
Courses	CompTIA A+ 220-1001: Accessories and Mobile Device Synchronization	B	50 Minutes
Courses	CompTIA A+ 220-1001: Basic Cable Types	B	75 Minutes
Courses	CompTIA A+ 220-1001: Cloud Computing	B	95 Minutes
Courses	CompTIA A+ 220-1001: Common Devices	B	57 Minutes
Courses	CompTIA A+ 220-1001: Configuring a Wired/Wireless Network	B	83 Minutes
Courses	CompTIA A+ 220-1001: Connectors	B	36 Minutes
Courses	CompTIA A+ 220-1001: Custom PC configuration	B	36 Minutes
Courses	CompTIA A+ 220-1001: Implementing Network Concepts	B	92 Minutes
Courses	CompTIA A+ 220-1001: Installing Hardware and Display Components	B	65 Minutes
Courses	CompTIA A+ 220-1001: Installing Hardware and Display Components	B	65 Minutes
Courses	CompTIA A+ 220-1001: Laptops Features and Mobile Device Types	B	44 Minutes
Courses	CompTIA A+ 220-1001: Laptops Features and Mobile Device Types	B	44 Minutes
Courses	CompTIA A+ 220-1001: Mobile Device Network Connectivity and Application Support	B	52 Minutes
Courses	CompTIA A+ 220-1001: Network Hosts	B	63 Minutes
Courses	CompTIA A+ 220-1001: Network Types	B	68 Minutes
Courses	CompTIA A+ 220-1001: Networking	B	69 Minutes
Courses	CompTIA A+ 220-1001: Networking Tools	B	31 Minutes
Courses	CompTIA A+ 220-1001: Power Supplies	B	33 Minutes
Courses	CompTIA A+ 220-1001: Printers	B	52 Minutes
Courses	CompTIA A+ 220-1001: Random Access Memory	B	40 Minutes
Courses	CompTIA A+ 220-1001: Resolving Problems	B	35 Minutes
Courses	CompTIA A+ 220-1001: SOHO Devices	B	41 Minutes
Courses	CompTIA A+ 220-1001: Storage Solutions	B	60 Minutes
Courses	CompTIA A+ 220-1001: TCP and UDP ports	B	67 Minutes
Courses	CompTIA A+ 220-1001: Troubleshooting	B	74 Minutes
Courses	CompTIA A+ 220-1001: Troubleshooting Printers	B	50 Minutes
Courses	CompTIA A+ 220-1001: Virtualization	B	65 Minutes
Courses	CompTIA A+ 220-1001: Wireless Networking Protocols	B	57 Minutes
Courses	CompTIA A+ 220-1001: Working with Motherboards, CPUs, & Add-On Cards	B	78 Minutes
Courses	CompTIA A+ 220-1001: Working with Peripheral Devices	B	76 Minutes
Courses	Mentoring 220-1001 CompTIA A+	B	0 Minutes
Courses	TestPrep 220-1001 CompTIA A+	B	90 Minutes
Courses	CompTIA A+ 220-1002: Comparing Common Operating Systems	B	75 Minutes

Courses	CompTIA A+ 220-1002: Critical Security Concepts	B	91 Minutes
Courses	CompTIA A+ 220-1002: Microsoft Command Line Tools	B	86 Minutes
Courses	CompTIA A+ 220-1002: Microsoft Operating System Installation & Upgrade	B	64 Minutes
Courses	CompTIA A+ 220-1002: MS Operating System Administrative Tools	B	93 Minutes
Courses	CompTIA A+ 220-1002: Operational Procedures Best Practices	B	81 Minutes
Courses	CompTIA A+ 220-1002: Security Fundamentals	B	81 Minutes
Courses	CompTIA A+ 220-1002: System Utilities	B	56 Minutes
Courses	CompTIA A+ 220-1002: Windows Control Panel Utilities	B	46 Minutes
Courses	CompTIA A+ 220-1002: Application Installation, Networking, & Tools	B	73 Minutes
Courses	CompTIA A+ 220-1002: Software Troubleshooting	B	56 Minutes
Courses	Mentoring 220-1002 CompTIA A+	B	0 Minutes
Courses	CompTIA Network+ N10-007: Additional Network Services	I	39 Minutes
Courses	CompTIA Network+ N10-007: Cloud Concepts, Network Services, & Cabling Solutions	I	166 Minutes
Courses	CompTIA Network+ N10-007: Documentation and Diagrams & Business Continuity	I	110 Minutes
Courses	CompTIA Network+ N10-007: Mitigation Techniques	I	89 Minutes
Courses	CompTIA Network+ N10-007: Network Attacks & Device Hardening	I	165 Minutes
Courses	CompTIA Network+ N10-007: Network Monitoring & Remote Access Methods	I	104 Minutes
Courses	CompTIA Network+ N10-007: Network Storage, Virtualization, & WAN Technologies	I	100 Minutes
Courses	CompTIA Network+ N10-007: Network Topologies & Technologies	I	99 Minutes
Courses	CompTIA Network+ N10-007: Networking Devices	I	124 Minutes
Courses	CompTIA Network+ N10-007: Policies and Best Practices	I	84 Minutes
Courses	CompTIA Network+ N10-007: Ports and Protocols and the OSI Model	I	107 Minutes
Courses	CompTIA Network+ N10-007: Routing, Switching, & IP Addressing	I	183 Minutes
Courses	CompTIA Network+ N10-007: Security Devices, Wireless Security, & Access Control	I	109 Minutes
Courses	CompTIA Network+ N10-007: Troubleshooting Common Network Service Issues	I	63 Minutes
Courses	CompTIA Network+ N10-007: Troubleshooting Connectivity & Performance Issues	I	90 Minutes
Courses	CompTIA Network+ N10-007: Troubleshooting Methodology & Tools	I	65 Minutes
Courses	CompTIA Network+ N10-006: Industry Standards, Practices, and Network Theory	I	166 Minutes
Courses	CompTIA Network+ N10-006: Network Architecture Part 1	I	188 Minutes
Courses	CompTIA Network+ N10-006: Network Architecture Part 2	I	170 Minutes
Courses	CompTIA Network+ N10-006: Network Operations Part 1	I	98 Minutes
Courses	CompTIA Network+ N10-006: Network Operations Part 2	I	105 Minutes
Courses	CompTIA Network+ N10-006: Network Security	I	173 Minutes
Courses	CompTIA Network+ N10-006: Troubleshooting Part 1	I	110 Minutes
Courses	CompTIA Network+ N10-006: Troubleshooting Part 2	I	86 Minutes
Courses	CompTIA Security+ SY0-501: Analyzing Output from Security Technologies	I	63 Minutes
Courses	CompTIA Security+ SY0-501: Application and Service Attacks	I	55 Minutes
Courses	CompTIA Security+ SY0-501: Business Impact Analysis and Risk Management	I	68 Minutes
Courses	CompTIA Security+ SY0-501: Cloud, Virtualization, and Resiliency Concepts	I	67 Minutes
Courses	CompTIA Security+ SY0-501: Common Account Management Practices	I	34 Minutes

Courses	CompTIA Security+ SY0-501: Components Supporting Organizational Security	I	92 Minutes
Courses	CompTIA Security+ SY0-501: Cryptographic and Wireless Attacks	I	45 Minutes
Courses	CompTIA Security+ SY0-501: Cryptography	I	120 Minutes
Courses	CompTIA Security+ SY0-501: Deploying Mobile Devices Securely	I	31 Minutes
Courses	CompTIA Security+ SY0-501: Frameworks, Guidelines, and Physical Security	I	120 Minutes
Courses	CompTIA Security+ SY0-501: Identity and Access Management Controls	I	29 Minutes
Courses	CompTIA Security+ SY0-501: Identity Concepts and Access Services	I	35 Minutes
Courses	CompTIA Security+ SY0-501: Impacts from Vulnerability Types	I	54 Minutes
Courses	CompTIA Security+ SY0-501: Implement Secure Network Architecture Concepts	I	46 Minutes
Courses	CompTIA Security+ SY0-501: Implementing Secure Protocols	I	32 Minutes
Courses	CompTIA Security+ SY0-501: Incident Response, Forensics, and Disaster Recovery	I	66 Minutes
Courses	CompTIA Security+ SY0-501: Penetration Testing and Vulnerability Scanning	I	47 Minutes
Courses	CompTIA Security+ SY0-501: Policies, Plans, and Procedures	I	49 Minutes
Courses	CompTIA Security+ SY0-501: Public Key Infrastructure	I	67 Minutes
Courses	CompTIA Security+ SY0-501: Secure System and Application Design and Deployment	I	87 Minutes
Courses	CompTIA Security+ SY0-501: Security Assessment Using Software Tools	I	53 Minutes
Courses	CompTIA Security+ SY0-501: Social Engineering and Related Attacks	I	43 Minutes
Courses	CompTIA Security+ SY0-501: The Present Threat Landscape	I	51 Minutes
Courses	CompTIA Security+ SY0-501: Troubleshooting Common Security Issues	I	27 Minutes
Courses	CompTIA Security+ SY0-501: Types of Malware	I	56 Minutes
Courses	CompTIA Security+ SY0-501: Wireless Security Settings	I	79 Minutes
Courses	Mentoring SY0-501 CompTIA Security+	I	0 Minutes
Courses	TestPrep SY0-501 CompTIA Security+	I	90 Minutes
Courses	CompTIA Server+ SK0-004: Networking and Disaster Recovery	A	171 Minutes
Courses	CompTIA Server+ SK0-004: Security	A	159 Minutes
Courses	CompTIA Server+ SK0-004: Server Administration I	A	177 Minutes
Courses	CompTIA Server+ SK0-004: Server Administration II	A	106 Minutes
Courses	CompTIA Server+ SK0-004: Server Architecture	A	115 Minutes
Courses	CompTIA Server+ SK0-004: Storage	A	102 Minutes
Courses	CompTIA Server+ SK0-004: Troubleshooting I	A	57 Minutes
Courses	CompTIA Server+ SK0-004: Troubleshooting II	A	121 Minutes
Courses	CompTIA Server+ SK0-004: Networking and Disaster Recovery	A	171 Minutes
Courses	CompTIA Server+ SK0-004: Security	A	159 Minutes
Courses	CompTIA Server+ SK0-004: Server Administration I	A	177 Minutes
Courses	CompTIA Server+ SK0-004: Server Administration II	A	106 Minutes
Courses	CompTIA Server+ SK0-004: Server Architecture	A	115 Minutes
Courses	CompTIA Server+ SK0-004: Storage	A	102 Minutes
Courses	CompTIA Server+ SK0-004: Troubleshooting I	A	57 Minutes
Courses	CompTIA Server+ SK0-004: Troubleshooting II	A	121 Minutes

Notes Page:

Your New Career Starts Today!

