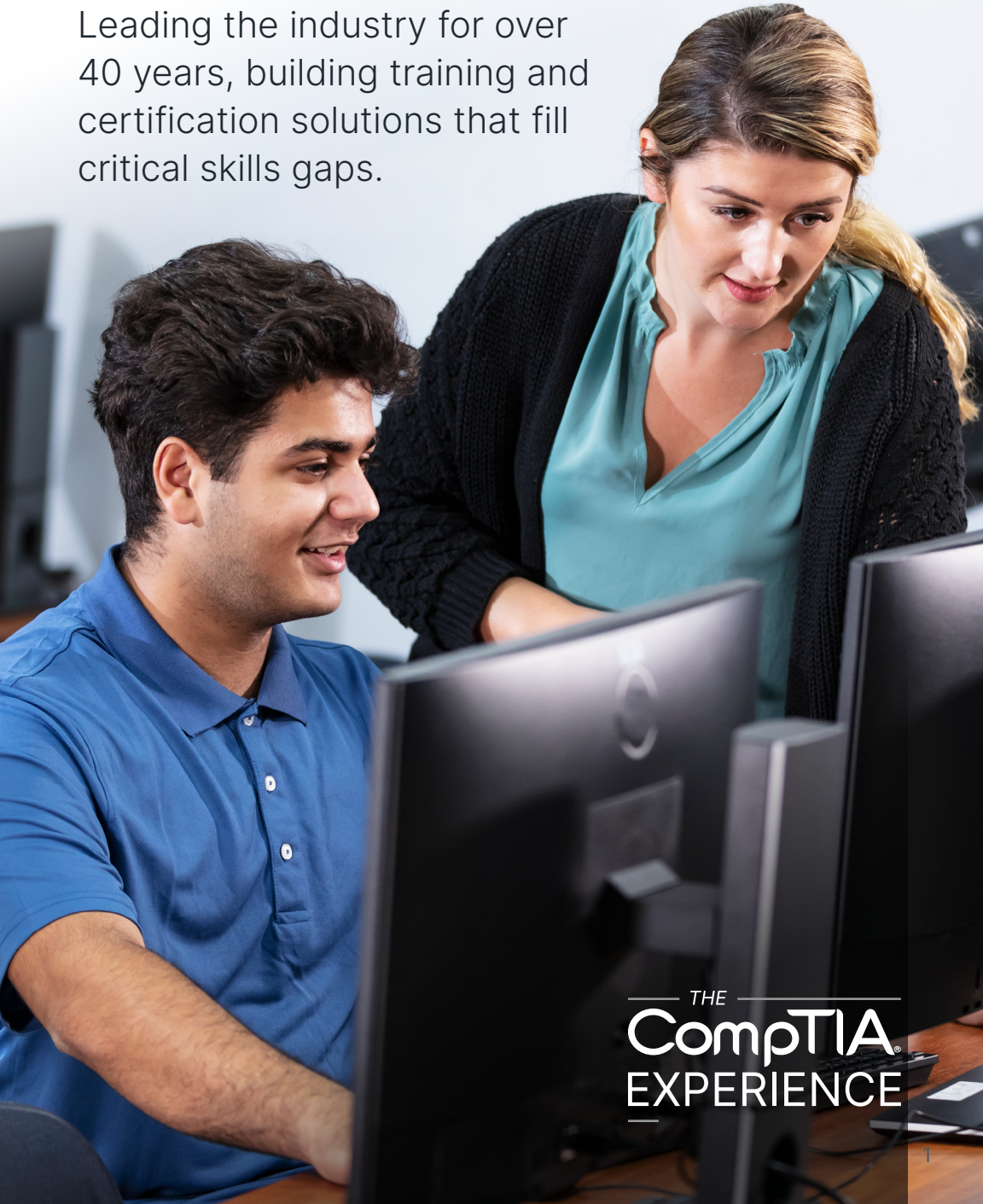


CompTIA<sup>®</sup>

# Academic Catalog

Leading the industry for over 40 years, building training and certification solutions that fill critical skills gaps.



— THE —  
**CompTIA<sup>®</sup>**  
EXPERIENCE  
—

# Hello.

CompTIA is a global leader in training, certification, and workforce development, empowering individuals to unlock their potential in technology careers.

As the largest vendor-neutral credentialing organization, CompTIA has awarded over 3.6 million certifications worldwide, offering industry-recognized credentials and learning solutions that align with emerging technologies and workforce needs.

Through partnerships with academic institutions, non-profits, and businesses, CompTIA bridges the skills gap, supports career advancement, and drives innovation across the global technology ecosystem.

CompTIA's purpose is to advance the global IT industry by:

- ✓ Educating and Certifying a skilled tech workforce through education and certifications.
- ✓ Empowering individual students and educators with resources for career changers, professionals and upskilling.
- ✓ Fostering Innovation by creating an environment for technological innovation.
- ✓ Providing Thought Leadership by sharing expert insights on emerging technology trends.

Let us show you what CompTIA can do for you.

OUR PURPOSE

## Unlock Potential in Tech



WE ARE

**CompTIA®**



# CompTIA's Commitment to Certification



## Why Certifications Matter

Industry-recognized certifications are essential in today's tech world. They validate skills and knowledge, meeting IT industry standards. Certifications help students:

- ✓ **Stand out to employers:** Demonstrate expertise to employers: Certifications validate a proven level of technical expertise, positioning employees as highly qualified for their roles.
- ✓ **Gain confidence:** Boost confidence and performance: Certified professionals gain confidence in their abilities, enabling them to tackle complex challenges and contribute to success.
- ✓ **Stay current:** Ensure up-to-date skills through ongoing education and renewal.
- ✓ **Skill validation:** Certifications provide tangible proof of skills and knowledge, giving confidence in individual's and team's capabilities.
- ✓ **Career advancement:** Certified professionals often have a competitive edge, leading to improved job performance, career advancement, and higher earning potential within an organization.
- ✓ **Practical experience:** Many certification programs include hands-on training and simulations, allowing students to gain practical experience and apply their knowledge in real-world scenarios.
- ✓ **Career path guidance:** Support career development: Certifications guide students in identifying and pursuing specialized paths within tech, aligning professional growth with organizational goals.

# CompTIA CERTMASTER

## The Ultimate Learning Platform for Real-World Experience

CompTIA CertMaster offers an immersive learning experience that prepares students for IT certifications and careers. It combines hands-on practice, expert instruction, interactive lessons, and progress tracking, supported by robust tools for efficient class management and tailored learning.

### Key Features of CompTIA CertMaster

#### Perform

Scenario-based performance training

#### Labs

Hands-on practice in virtual environments

#### Learn

Interactive, self-paced eLearning

#### Practice

Reinforces knowledge with exam prep tools

#### CompTIA OnDemand

Provides a facilitated learning experience, combining a structured curriculum and detailed pacing guides with instructional videos and advanced support features.



### Key Features



Instructional videos, virtual labs, and simulations



Curated and structured curriculum



Standard 12-week and custom pacing guides



Skill badges represent achievement and validation of skills and competencies



Achievable, step-by-step assessments build confidence for the exam



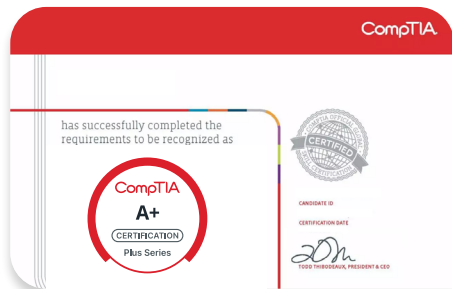
Certification exam voucher + retake



# The CompTIA Learning Method

# 8

Learning Components For Helping Your Students Build Competency, Get Certified, and Obtain Employment

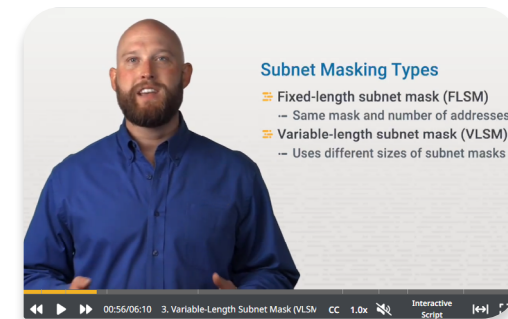


## CERTIFY ME

- Ready for CompTIA Certification Exam(s)

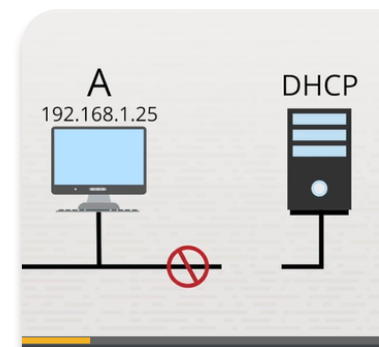
## TEACH ME

- Learning Videos



## SHOW ME

- Demonstration Videos
- Animations



## LET ME READ

- Narrative Instructional Content



## LET ME TRY

- Lab Simulations
- Virtual Labs

## ASSURE ME

- Feedback Reports

## TEST ME

- Custom Exams
- Certification Exams
- Assessment Exams

## QUIZ ME

- Lesson Reviews
- Module Quizzes
- Checkpoint Reviews
- Custom Quizzes



## Question 1 of 10

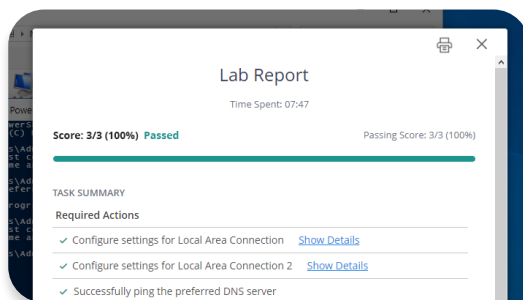
Next >

You are troubleshooting a network connectivity issue unable to connect using the hostname. You check the command prompt and see the following error message: "nslookup: connect: No address associated with hostname". Which utilities can you use to do this? (Select two.)

- ☐ tracert
- ☒ dig
- ☐ arp
- ☐ nslookup
- ☐ traceroute

### Explanation

The **dig** and **nslookup** commands allow you to perform troubleshooting name resolution issues.



# Tech+

TC0-U71

CompTIA Tech+ is the essential certification for launching tech-related careers, providing foundational knowledge and hands-on skills. It covers basic concepts, security, software development, and emerging technologies like AI and Robotics. Prepare students and educators for the fast-growing tech industry with practical experience and essential technology skills.

## PREPARES FOR:

- ✓ CompTIA Tech+ FC0-U71

This course is also a great starting point in preparing for the following additional certifications:

- A+
- Network+
- Security+
- Linux+
- Cloud+



## COURSE TOPICS

- Concepts and Terminology
- Infrastructure
- Applications and Software
- Software Development Concepts
- Data and Data Fundamentals
- Security

## COURSE SPECS

- Labs: 47
- Lab Simulations: 47
- Videos: 58
- Assessments: 57
- Questions: 800+
- Estimated Instructional Hours: 33 hours

# A+

220-1201 and 1202

CompTIA A+ is the industry standard for launching IT careers, covering essential skills in security, networking, virtualization, and cloud computing. Trusted by employers, it prepares students to diagnose and resolve software, hardware, and connectivity issues, supporting a hybrid workforce. Set students on a path to success in technical support and endpoint management roles.

## PREPARES FOR:

- ✓ CompTIA A+ 220-1201 (Core 1) and 220-1202 (Core 2)

This course is also a great starting point in preparing for the following additional certifications:

- Network+
- Security+
- Server+
- Linux+
- Cloud+



## COURSE TOPICS

- Hardware
- Operating Systems
- Networking
- Troubleshooting
- Security
- Mobile Devices
- Virtualization
- Cloud Computing

## COURSE SPECS

- Labs: 55
- Live Labs: 55
- Videos: 52
- Assessments: 23
- Questions: 400+
- Estimated Instructional Hours: 85 hours



# Network+

N10-009

CompTIA Network+ is the premier certification for validating essential networking skills. It equips students to establish, maintain, troubleshoot, and secure networks in any environment, preparing them for careers in networking and cybersecurity. Covering a wide range of technical and hands-on skills, Network+ is vendor-neutral and is ideal for roles like Technical Support Specialist and Network Operations Center Technician.

## PREPARES FOR:

- ✓ CompTIA N10-009

This course is also a great starting point in preparing for the following additional certifications:

- Server+
- Security+
- Linux+
- Cloud+
- CloudNetX



## COURSE TOPICS

- Network Topologies
- Cabling and Physical Installations
- Interfaces and Switches
- Network Addressing
- Routing and Advanced Switching
- Network Services
- Application Services
- Network Management
- Network Security Design Concepts, and Features
- Wireless Networks
- Remote Access

## COURSE SPECS

- Labs: 163
- Live Labs: 21
- Simulated Labs: 142
- Videos: 137
- Assessments: 99
- Questions: 3,500+
- CertMaster Perform Estimated Instructional Hours: 103 hours

# Security+

SY0-701

CompTIA Security+ is the global certification that validates essential IT security skills, preparing students for successful cybersecurity careers. As the leading early career certification, it equips students with hands-on, performance-based skills to tackle real-world security challenges and stay current with trends like automation and IoT. Security+ provides a strong cybersecurity foundation, making students trusted defenders of digital environments.

## PREPARES FOR:

- ✓ CompTIA SY0-701

This course is also a great starting point in preparing for the following additional certifications:

- PenTest+
- CySA+
- Security X



## COURSE TOPICS

- General Security Concepts
- Threats, Vulnerabilities and Mitigations
- Security Architecture
- Security Operations
- Security Program Management and Oversight

## COURSE SPECS

- Labs: 41
- Live Labs: 41
- Videos: 58
- Assessments: 17
- Questions: 300+
- Estimated Instructional Hours: 71 hours

# Cloud+

CV0-004

CompTIA Cloud+ is the premier certification for validating essential cloud computing skills. It prepares students to implement, maintain, optimize, and troubleshoot cloud-based infrastructure, covering cloud architecture, deployment, operations, security, DevOps, and troubleshooting. Equip students with hands-on, vendor-neutral expertise needed for in-demand cloud roles.

## PREPARES FOR:

- ✓ CompTIA CV0-003 and CV0-004

This course is also a great starting point in preparing for the following additional certifications:

- Server+
- Security+
- Linux+
- Cloud+
- CloudNetX



## COURSE TOPICS

- Cloud Services
- Cloud Resource Management and Automation
- Cloud Storage
- Deployment Issues and Costs
- Virtualization and Databases
- Cloud Networking
- Security Management
- Security Compliance and Troubleshooting
- Performance and Monitoring
- Disaster Recovery and Business Continuity

## COURSE SPECS

- Labs: 27
- Live Labs: 24
- Simulated Labs: 3
- Videos: 32
- Assessments: 69
- Questions: 1,500+
- Estimated Hours: 57



# Linux+

XK0-005

Linux+ is the essential certification for mastering Linux systems, providing comprehensive knowledge and practical skills. Ideal for students, it covers core Linux concepts, system administration, networking, and security. Equip students and educators with the expertise needed for the ever-evolving tech landscape, ensuring they gain hands-on experience and critical Linux skills.

## PREPARES FOR:

- ✓ CompTIA XK0-005

This course is also a great starting point in preparing for the following additional certifications:

- Security+
- Cloud+
- CCNA
- AZ-800



## COURSE TOPICS

- Installation & Localization
- Boot & Shutdown
- Graphical User Interfaces & Desktops
- Software Installation
- User & Groups
- Disk & File System
- Management
- Hardware Installation
- Processes & System
- Services
- System Monitoring
- Networking & Security
- Cloud & Virtualization
- Scripting & Automation
- Security

## COURSE SPECS

- Lab Simulations: 98
- Videos: 231
- Assessments: 98
- Questions: 800+
- Estimated Instructional
- Hours: 75 hours





# CySA+

CS0-003

CySA+ is the ultimate certification for elevating careers in cybersecurity defense, offering comprehensive expertise and strategic skills. CompTIA CySA+ encompasses advanced threat analysis, proactive defense strategies, and robust incident management. Equip students and educators with the essential tools and hands-on experience needed to excel in the ever-evolving cybersecurity landscape.



## COURSE TOPICS

- Threat Intelligence & Risk Mitigation
- Social & Physical Security
- Reconnaissance &
- Enumeration
- Vulnerability Management
- Identity & Access
- Management Security
- Cybersecurity Threats
- Infrastructure Security &
- Analysis
- Wireless & IoT Security
- Software Assurance
- Data Analysis
- Incident Response

## COURSE SPECS

- Lab Simulations: 71
- Videos: 182
- Assessments: 62
- Questions: 1,200+
- Estimated Instructional

# PenTest+

PT0-002

CompTIA PenTest+ is the comprehensive certification for penetration testing and vulnerability management. It covers all stages of penetration testing with performance-based and knowledge-based questions, ensuring students master the latest techniques for various environments. Equip students and educators with hands-on skills in vulnerability assessment, scanning, analysis, and reporting, preparing them for advanced cybersecurity roles.

## PREPARES FOR:

- ✓ CompTIA PT0-002 and PT0-003

This course is also a great starting point in preparing for the following additional certifications:

- CySA+
- CASP+
- SecurityX



## COURSE TOPICS

- Plan and scope a penetration testing engagement
- Understand legal and compliance requirements
- Perform vulnerability scanning and penetration testing using appropriate tools and techniques, and then analyze the results
- Produce a written report containing proposed remediation techniques, effectively communicate results to the management team, and provide practical recommendations

## COURSE SPECS

- Labs: 16
- Live Labs: 16
- Videos: 11
- Assessments: 21
- Questions: 200+
- Estimated Instructional Hours: 28 hours

# Digital Literacy Pro

2.0

Digital Literacy Pro is designed for both students and educators in higher education institutions who need to develop essential digital skills to thrive in today's technology-driven world. This certification equips you with the fundamental digital literacy concepts and practical skills necessary to bring value to your academic and professional endeavors.

This comprehensive toolbox offers students active, hands-on experiences in solving real-world challenges through online labs. The user-friendly curriculum includes videos, demos, lab simulations, and quizzes, equipping students with the skills needed to navigate tomorrow's tech challenges.



## COURSE TOPICS

- Keyboarding
- Hardware
- Operating System and File System
- Intro to Applications
- Word Processing
- Spreadsheets
- Presentations
- Other Common Applications
- Online & Cloud Collaboration
- Internet, Social Media and IoT
- Mobile Technology
- Digital Citizenship
- Programming Fundamentals
- Career Pathways

## COURSE SPECS

- Labs: 86
- Videos: 182
- Assessments: 100
- Questions: 1,140
- Estimated Hours: 32

# Office Pro

8.0

Office Pro offers an all-in-one learning solution for Microsoft Office Specialist applications, including Word, Excel, PowerPoint, Access, and Outlook, along with advanced content for Word and Excel. Students will learn, practice, apply, and test their skills in real-world business scenarios, preparing them for certifications and professional careers. Our simulated labs ensure students acquire and retain proficiency in Office applications.

## PREPARES FOR:

- ✓ MOS Word Associate 2019 (MO-100)
- ✓ MOS Word Associate 365 Apps (MO-110)
- ✓ MOS Excel Associate 2019 (MO-200)
- ✓ MOS Excel Associate 365 Apps (MO-210)
- ✓ MOS PowerPoint Associate 2019 (MO-300)
- ✓ MOS PowerPoint Associate 365 Apps (MO-310)



## COURSE TOPICS

- Online Essentials
- Computer Essentials
- Common Office Features
- Microsoft Word
- Microsoft Excel
- Microsoft PowerPoint
- Microsoft Access
- Microsoft Outlook

## COURSE SPECS

- Labs: 222
- Videos: 282
- Assessments: 38
- Questions: 300+
- Estimated Instructional Hours: 69 hours



# Project+

PK0-005

CompTIA Project+ covers essential project management skills like planning, execution, and resource management. This certification enhances students' ability to successfully complete projects and prepares them for future career opportunities.

## PREPARES FOR:

- ✓ CompTIA PK0-005

This course is also a great starting point in preparing for the following certification:

- Project Manager Professional (PMP)



## COURSE TOPICS

- Project Management Concepts
- Project Life Cycle Phases
- Tools and Documentation
- Basics of IT and Governance

## COURSE SPECS

- Labs: 14
- Live Labs: 14
- Videos: 23
- Assessments: 15
- Questions: 200+
- Estimated Instructional Hours: 27 hours

# Cloud Essentials+

CLO-002

CompTIA Cloud Essentials+ is designed for both IT and non-technical professionals who need to develop essential business acumen to make informed cloud service decisions. This certification equips you with the fundamental cloud concepts and data-driven cloud recommendations necessary to bring value to your organization.

## PREPARES FOR:

- ✓ CLO-002

This course is also a great starting point in preparing for the following additional certifications:

- Cloud+
- Network+
- Linux+
- Server+
- Security+



## COURSE TOPICS

- Understanding Cloud Computing Concepts
- Applying Cloud Business Principles
- Advising a Cloud Design and Migration
- Operating in the Cloud
- Managing Cloud Governance

## COURSE SPECS

- Videos: 30
- Assessments: 6
- Questions: 100+
- Estimated Instructional Hours: 13 hours

# AI Essentials

1.0

The goal of CompTIA AI Essentials is to demystify the use of AI in every profession. The learning journey is intended to demonstrate the appropriate use of the right digital tools and technologies to accomplish specific goals (technical competence), apply knowledge and skills within the workplace to enhance human work, creativity, and understanding the future implications of AI.



## COURSE TOPICS

- What is AI? How to effectively work with AI technologies.
- Understanding Generative AI across multiple mediums and practical usage.
- Concepts of prompt engineering and effective use of prompts.
- Balancing Innovation & Privacy.
- Human-AI Collaboration.
- Evolution, Future Trends, and Innovations.

## COURSE SPECS

- Videos: 3
- Assessments: 15
- Questions: 107
- Estimated Instructional Hours: 10 hours

# Data+

DA0-001

CompTIA Data+ is the essential certification for early-career data analytics professional. It equips students with skills to mine, analyze, and interpret data, communicate insights, and drive data-driven decisions. Covering data concepts, mining, analysis, visualization, and governance, CompTIA Data+ prepares students to excel in data-driven roles. Boost students and educators confidence and competency in data analytics.

## PREPARES FOR:

- ✓ CompTIA DA0-001

This course is also a great starting point in preparing for the following additional certification:

- DataX



## COURSE TOPICS

- Data Concepts and Environments
- Data Mining
- Data Analysis
- Data Visualization
- Data Governance, Quality, and Controls

## COURSE SPECS

- Labs: 24
- Live Labs: 24
- Videos: 21
- Assessments: 20
- Questions: 200+
- Estimated Instructional Hours: 30 hours



# a+ Cyber

1.0

CompTIA a+ Cyber is designed to guide students with no prior cybersecurity experience to a point where they are prepared to undertake Security+ training.

## PREPARES FOR:

Prerequisite knowledge needed to undertake Security+ training.

This course is also a great starting point in preparing for the following additional certifications:

- Security+
- PenTest+
- CySA+
- Security X



## COURSE TOPICS

- Cybersecurity Support Roles
- Microsoft Windows Administration
- Secure Network Client Fundamentals
- Enterprise Campus Network Fundamentals
- Enterprise Network Application Fundamentals
- Cybersecurity Controls
- Linux App Server Fundamentals
- Automation Scripting Fundamentals
- Data Management Fundamentals

## COURSE SPECS

- Labs: 30
- Live Labs: 30
- Videos: 30
- Assessments: 11
- Questions: 82
- Estimated Instructional Hours: 32 hours

# a+ Network

1.0

CompTIA a+ Network is designed to guide students with minimal to no experience in IT Networking to a point where they are prepared to undertake Network+ training.

## PREPARES FOR:

Prerequisite knowledge needed to undertake Security+ training.

This course is also a great starting point in preparing for the following additional certifications:

- Network+
- Server+
- Linux+
- Cloud+
- CloudNetX (to be released 2025)



## COURSE TOPICS

- Network Client Fundamentals
- Local Network Types
- Other Network Types
- Enterprise Network Application Support
- Network Operations Support Fundamentals
- Network Troubleshooting Fundamentals
- Linux App Server Fundamentals
- Automation Scripting Fundamentals
- Data Management Fundamentals

## COURSE SPECS

- Labs: 29
- Live Labs: 29
- Videos: 24
- Assessments: 11
- Questions: 110
- Estimated Instructional Hours: 35 hours



# CloudNetX

1.0

CompTIA CloudNetX is a premier certification designed to validate advanced skills in designing, engineering, and integrating secure, scalable networking solutions in hybrid environments.



## COURSE TOPICS

- Network Architecture
- Network Security Design
- Network Monitoring
- Troubleshooting
- Network Maintenance



# DataX

1.0

CompTIA DataX is the premier skills development program for highly experienced professionals seeking to validate competency in the rapidly evolving field of data science.



## COURSE TOPICS

- Mathematics and Statistics
- Operations and Processes
- Modeling, Analysis and Outcomes
- Specialized Applications of Data Science
- Machine Learning





# SecurityX

1.0

CompTIA SecurityX (formerly CASP+) is an expert-level cybersecurity certification for security architects and senior security engineers charged with leading and improving an enterprise's cybersecurity readiness.

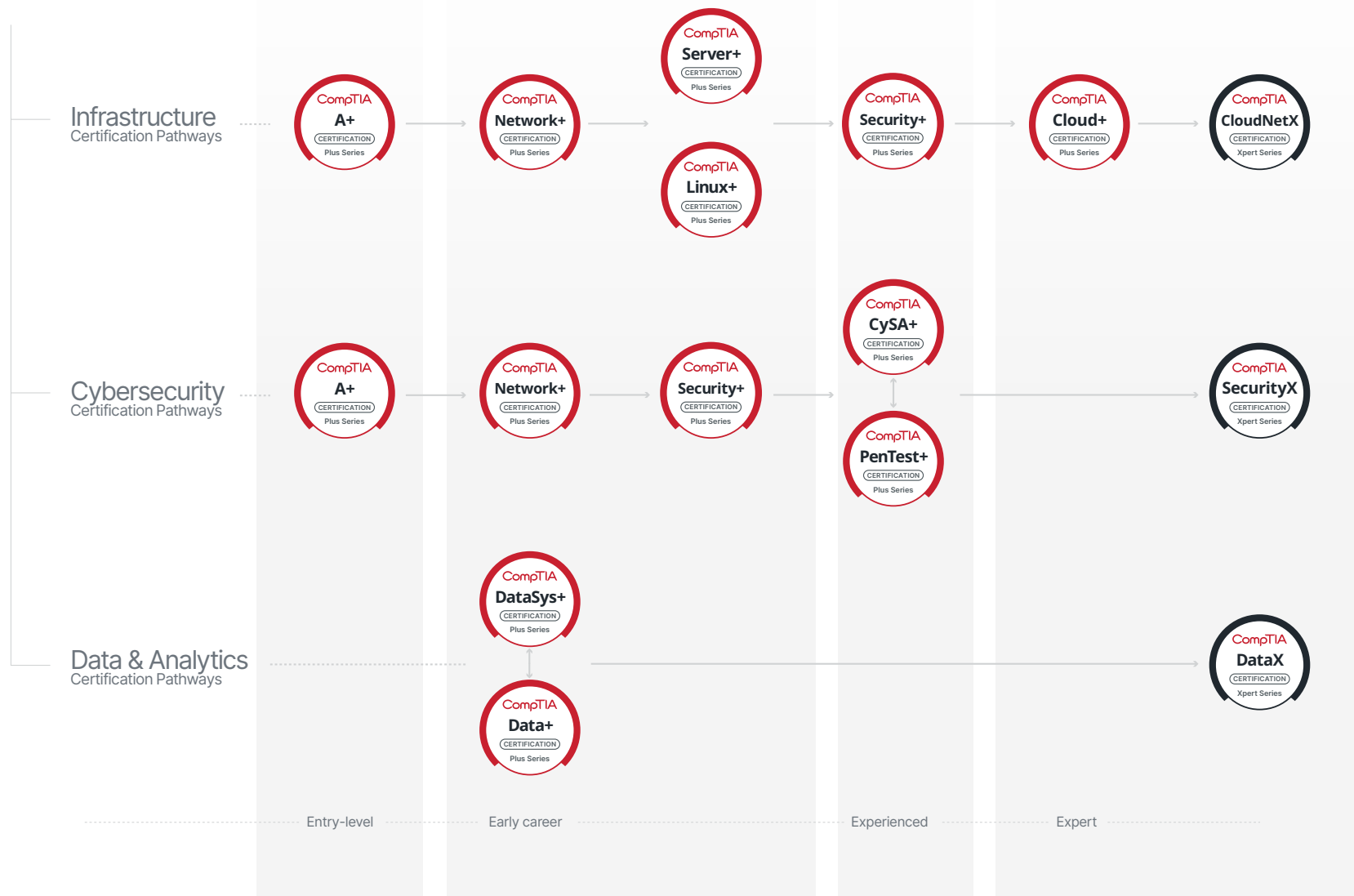


## COURSE TOPICS

- Security Architecture
- Governance, Risk & Compliance
- Security Operations
- Security Engineering & Cryptography



# CompTIA® Pathway to Jobs







# CompTIA<sup>®</sup>

## Authorized Academic Partner

Join the CompTIA Authorized Partner Program and unlock a world of exclusive benefits designed to support and enhance your educational and training initiatives. As a valued partner, you will gain access to a suite of resources and opportunities that will elevate your programs and help you achieve your goals.

### Exclusive Academic Pricing

Receive special pricing on CompTIA curriculum and certification vouchers, making it more affordable for students to achieve industry-recognized credentials. Streamline their purchase with a single ISBN number for content and exam vouchers through our new bundle options.

## Other Benefits for Our Partners:

- ✓ **Exclusive industry content:** Access a wealth of proprietary content that keeps you at the forefront of industry trends and developments.
- ✓ **Training and professional development:** Access exclusive training resources and professional development opportunities to enhance your instructional capabilities.
- ✓ **CIN network:** Join the CompTIA Instructor Network (CIN), including the Train The Teacher program, to equip educators with essential skills and knowledge.
- ✓ **Instructor network access:** Connect with a global community of instructors to share best practices and collaborate on teaching strategies.
- ✓ **And much more!:** Enjoy additional perks and resources to support your mission and drive success.

## A Global Community of Educators and Trainers

CompTIA's partner program spans the globe, including thousands of academic institutions, non-profits, job corps centers, and other organizations. Together, we educate, train, and certify the next generation of tech professionals, ensuring you are part of a vibrant community dedicated to excellence in technology education and workforce development.

**Visit [partners.comptia.org](https://partners.comptia.org) to learn more!**



# 10

POINT TOUCH  
SOLUTIONS

## The Solutions and Support You Can Rely On

Our Customer Success Team provides onboarding and support through a comprehensive ten-point touch solution.

1

Onboarding  
Interview &  
Planning

2

Product Updates,  
Webinars and  
Resources via CIN

3

Certification  
Mapping Guides

4

LMS  
Integration

5

One-on-One &  
Group Onboarding  
Training

6

Online, Hybrid,  
& Traditional  
Classroom Tips

7

Student Data  
Analysis

8

Lesson Plans,  
Course Outlines,  
& Classroom  
Activities

9

Video/Text  
Tutorials for  
Educators &  
Students

10

Instructor  
Resource  
Center

**These services are  
always complimentary.**

## Customized Education and Tech Solutions at CompTIA

At CompTIA, we are a dedicated team of professionals committed to making a difference in the world through education and innovative technology. Our exceptional service, support, and resources are designed to ensure the success of your classroom and programs. Recognizing that no two schools are alike, we collaborate closely with you to create a customized implementation plan tailored to your unique needs.



## Instructor Benefits

- ✓ Lesson plans
- ✓ Instructional videos
- ✓ Professional development videos
- ✓ Course pacing guides
- ✓ Teaching Toolkit
- ✓ LMS integration
- ✓ PowerPoint presentations
- ✓ Objective mappings
- ✓ Student progress and grade report
- ✓ Custom exam and report builders
- ✓ LMS integration



## Student Benefits

- ✓ Industry-recognized certifications
- ✓ Regional Cyber Job Finder
- ✓ Career Planning Tool
- ✓ Salary calculator
- ✓ CompTIA/Zip Recruiter Job Finder
- ✓ Career exploration videos
- ✓ Video lessons
- ✓ Automatic feedback
- ✓ End of section quizzes
- ✓ Interactive lab environment
- ✓ Practice exams



# COURSE LIST

## CORE

- Tech+
- A+
- Network+
- Security+

## INFRASTRUCTURE

- Linux+
- Cloud+
- Server+
- Cloud Essentials

## CYBERSECURITY

- CySA+
- PenTest+
- SecurityX

## PROFESSIONAL & DATA

- Data+
- DataSys+
- DataX
- Project+

## COMPUTER SKILLS

- Digital Literacy Pro
- Office Pro (MOS Certifications)
- Pro Certified: Microsoft Excel
- Pro Certified: Microsoft Word

## NEW & UPCOMING

- a+ Network
- a+ Cyber
- AI Essentials

## PRO SERIES

- Ethical Hacker Pro
- Client Pro (Microsoft MD-102)
- Routing & Switching Pro (Cisco CCNA)
- Hybrid Server Pro: Core (Microsoft AZ-800)
- Hybrid Server Pro: Advanced (Microsoft AZ-801)