COMPTIA NETWORK + CERTIFICATION TRAINING

CompTIA Network+

ASIA DRAGON TOTAL SUPPORT

Empowering talent for the future

CERTIFICATION

The CompTIA Network+ course equips individuals with skills needed to troubleshoot, configure and manage wireless and wired devices.

RELATED JOB ROLES

- Network Administrator
- Network Field Technician
- System Engineer
- IS Consultant
- Network Support Specialist
- Network Field Engineer
- Network Analyst

COURSE BREAKDOWN

This course provides you with foundational skills across a variety of devices and operating systems:

NETWORKING CONCEPTS
Explain the purpose of a variety of networking concepts and implement them appropriately

INFRASTRUCTURE
Determine & explain the appropriate cabling, device, and storage technologies

NETWORKING OPERATIONS
Use best practices to manage the network, determine policies & ensure business continuity

NETWORK SECURITY
Summarize physical security & common attacks while securing wired and wireless network

NETWORK TROUBLESHOOTING & TOOLS
Explain the network troubleshooting methodology & appropriate tools to support connectivity & performance

COURSE SYLLABUS

The CompTIA Network+ Certification course covers the following topics:

01 INTRODUCTION
- Definition of a Network
- LANs, WANs, and the Internet
- Functions of a Network
- Overview of Network Components
- Networking Models
- Definitions

02 CARDS AND CABLING
- Network Adapter Cards
- Configuring and Installing a Network Card
- Diagnosing Network Card Failure
- Network Cabling
- Twisted Pair Cable
- Other Cable Types
- LAN Topologies
- Installing Cabling
- Crimping Cables
- Testing Cables
- Building a BUS Network and Testing Network Communications

03 NETWORK TECHNOLOGIES
- Introduction to the OSI Model
- Brief Outline of the Seven Layers - Name and Function
- Network Card Drivers
- Installing and Configuring Network Card Drivers
- Bindings
- 802 Standards
- Ethernet
- Token Ring
- Other Technologies

04 PROTOCOLS
- Protocols
- TCP/IP
- IPX/SPX
- NetBEUI
- Characteristics of Network Protocols
- Choosing a Protocol
- Adding and Removing Protocols
- Protocol Configuration Problems

05 EXTENDING NETWORKS
- Repeaters and Hubs
- Bridges
- Routers and Bridge Routers
- Network Addresses
- Routing Tables

06 TCP/IP
- The Development of TCP/IP
- The TCP/IP Protocol
- TCP/IP as an Open Standard
- IP Addresses
- Configuring and Testing IP Addresses
- PING, WINIPCFG, and IPCONFG
- Viewing the ARP Cache
- Network Addresses
- Creating Subnets
- Modifying the Subnet Mask
- Default Gateway

07 CLIENT/SERVER COMMUNICATION LAYERS
- Server Operating Systems
- Comparison of Microsoft Windows NT, Novell Netware, and Unix
- Workstation Clients
- Microsoft Windows 9x, Microsoft Windows NT, and Novell Clients
- Mapping Network Drives

08 REMOTE CONNECTIVITY
- Requirements for Remote Connectivity
- Public Networks
- Dial-Up Lines
- ISDN

09 NETWORK SECURITY
- User Level Security
- Share Level Security
- Adding Users
- Password Principles
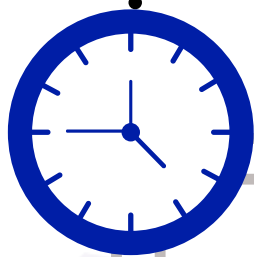- Encryption
- Firewalls

ENTRY REQUIREMENT

Individuals with any CompTIA A+ Certification or IT-related academic certifications or qualifications are welcomed. Basic familiarity with computer networks or 9 to 12 months of networking-related experience is recommended, but not compulsory. You would have to be proficient in **English - 'O' level** pass in English.

Once you come on board, we will equip you with lessons and skills to begin your career in the IT industry.
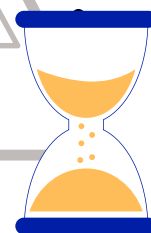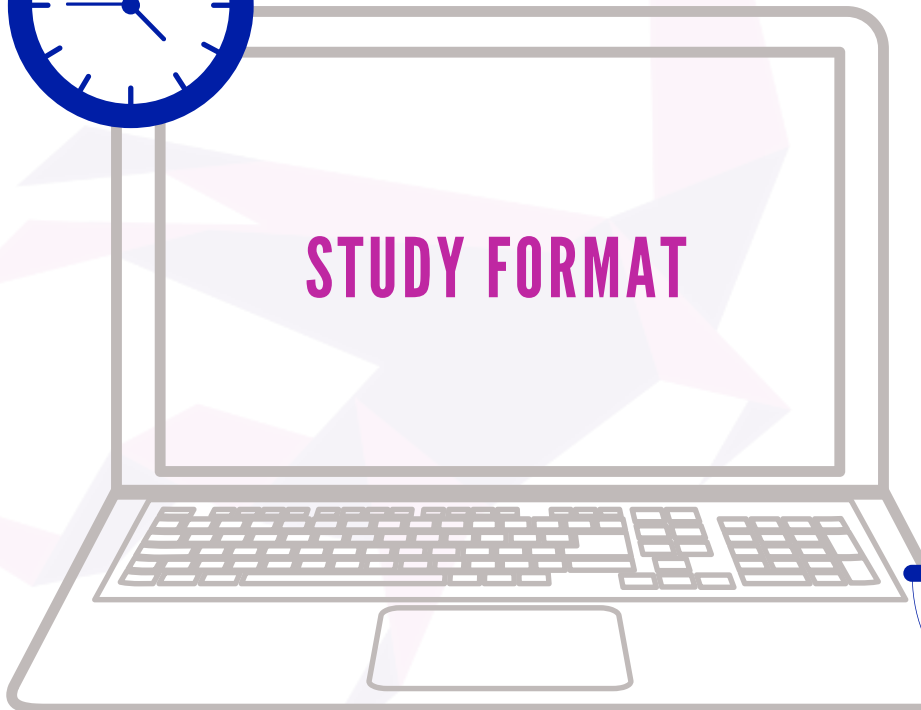
Full time (5 days)
9am - 5pm
Weekdays

STUDY FORMAT

Lesson Delivery
Online, Instructor-led session

EXAM DETAILS

Your enrolment in our course includes guidance on exam registration procedures.

Exam Codes	1 examination – N10-007
Testing Ability	• Demonstrate critical security concepts to assist networking professionals • Implement key cloud computing best practices and understand typical service models • Gain an understanding of new hardware and virtualization techniques • Keep network resilient with a combination of skills
Length of Test	90 minutes, per exam
No. of Questions	Maximum of 90 questions, per exam
Type of Questions	Examinations are Multiple Choice Questions (single and multiple response), drag and drops and performance-based
Passing Score	720 (on a scale of 100-900)

EXAM REQUIREMENT

ONLINE
• Quiet, enclosed, private location
• A reliable device that meets system requirements and has a webcam
• Strong, consistent internet connection with a minimum speed of 1 Mbps down/up

CAREER GUIDANCE

Upon the successful completion of the examination, you will be awarded the CompTIA Network+ certification

We don't stop there though. We offer an additional support service to assist you in your career switch.

SUPPORT SYSTEM

01 **12 month** of technical knowledge support from our professional team

02 **Potential** job internship or placement

03 **Opportunity** to attend classes at no cost if 1st certification attempt is unsuccessful for 12 months

04 **Access** to Asia Dragon Total Support's member-only page with certified engineers

COMPTIA

CompTIA is the world's leading tech association, providing world-class technology certification programs. For more than 20 years, CompTIA has been the global leader in vendor-neutral IT certifications in skills ranging from IT support to networking and cybersecurity. With more than 2 million IT certifications issued worldwide, CompTIA has developed certification exams that map directly to today's current IT job roles.

ASIA DRAGON TOTAL SUPPORT

Asia Dragon Total Support was founded in 2020 in Singapore with the mission to empower people to pivot their careers into IT. The team is inspired to help as many people as possible who want to start a career in IT, even if they currently have limited IT experience.

Asia Dragon Total Support has carefully selected the best courses such as CompTIA international certification IT courses based on trending demand. Moving ahead, we'll continue to expand our career-pivoting courses to cater to other disciplines in demand by the employment market.

"Our logo, an origami dragon, was initially a sheet of paper. By imparting the right know-how and vision and strength through courage, the paper is transformed into a beautiful dragon. We aim to empower talents, like you, in the shortest possible time. If you are driven and qualified, we are committed to supporting you through this journey. By doing so, we hope to groom more future dragons to inspire the world!"

James Phoon
Founder &
Executive Director

ARE YOU READY TO KICKSTART YOUR CAREER IN THE EXCITING IT INDUSTRY?

Get in touch with our dedicated education consultant to learn more about our courses and pricing at:

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