



HUAWEI TRAINING

HCIA-Datacom (Huawei Certified ICT Associate)

*Learn fundamental data communication technologies and network setup with HCIA-Datacom.
Achieve your Huawei certification to build essential networking skills.*

DURATION

40 hours

LEVEL

Beginner

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

Computer Pride | 1st Floor, ICEA Building, Kenyatta Avenue, Nairobi | www.computer-pride.co.ke

COURSE OVERVIEW

The HCIA-Datacom (Huawei Certified ICT Associate) certification is your foundational gateway into the world of modern enterprise networking, specifically within the robust Huawei ecosystem. This comprehensive 40-hour course is meticulously designed for beginners, providing a solid understanding of essential data communication principles, including TCP/IP, Ethernet, IP routing, Wireless LAN (WLAN) fundamentals, and basic network security. You will delve into the core technologies that underpin today's interconnected world, gaining insights into how networks operate and how data flows across them.

Through a blend of theoretical knowledge and practical application, participants will develop critical skills necessary for configuring, managing, and troubleshooting basic Huawei network devices. The curriculum emphasizes hands-on experience with Huawei's Versatile Routing Platform (VRP) operating system, enabling you to confidently implement foundational networking solutions. This certification not only validates your entry-level expertise in data communication but also serves as an invaluable stepping stone for individuals aspiring to build a successful career in IT networking, specifically leveraging Huawei's cutting-edge technologies.

Earning your HCIA-Datacom certification significantly enhances your employability for entry-level networking roles and prepares you for advanced Huawei certifications. It demonstrates your commitment to professional development and provides the foundational knowledge required to excel in dynamic ICT environments, making you a valuable asset to organizations deploying Huawei networking infrastructure.

Duration	40 hours
Level	Beginner
Vendor	Huawei

PREREQUISITES

- Basic understanding of computer networks

COURSE CURRICULUM

01 Module 1: Network Fundamentals and Technologies

- Introduction to Data Communication Networks
- TCP/IP Protocol Stack and Model
- Ethernet Principles and Standards
- IP Addressing Schemes (IPv4 and IPv6 Basics)
- Transmission Media and Cabling Standards

02 Module 2: Basic LAN Technologies

- Introduction to Ethernet Switches and Working Principles
- VLAN Principles and Configuration
- Link Aggregation (Eth-Trunk) Basics
- STP (Spanning Tree Protocol) Fundamentals
- Basic Interface Configuration

03 Module 3: IP Routing Technologies

- Introduction to IP Routing and Forwarding Principles

- Static Routing Configuration and Management
- OSPF (Open Shortest Path First) Fundamentals and Basic Configuration
- Understanding Routing Tables and Administrative Distances

04 Module 4: WAN, Network Security, and Services

- Introduction to WAN Technologies and Link Types
- ACL (Access Control List) Principles and Basic Configuration
- NAT (Network Address Translation) Fundamentals
- DHCP (Dynamic Host Configuration Protocol) Configuration
- Introduction to PPP and PPPoE

05 Module 5: WLAN and Network Management Basics

- WLAN Fundamentals and Architecture (APs, ACs)
- Basic WLAN Configuration Concepts and Security
- Network Management Protocols (SNMP) and Tools
- Introduction to Cloud-Managed Networks and Basic SDN Concepts
- Basic Network Troubleshooting Methodologies

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Junior Network Engineer (Huawei Technologies)**
- > **Network Operations Center (NOC) Technician**
- > **Entry-Level Network Administrator**

FREQUENTLY ASKED QUESTIONS

Q: What advanced certifications can I pursue after completing the HCIA-Datacom course?

After achieving your HCIA-Datacom certification, you are well-positioned to advance your expertise with higher-level Huawei certifications such as HCIP-Datacom (Huawei Certified ICT Professional - Datacom) and subsequently HCIE-Datacom (Huawei Certified ICT Expert - Datacom). These professional and expert-level certifications delve deeper into complex routing, switching, WLAN, security, and SDN technologies, preparing you for senior network engineering and architectural roles.

Q: Are there any prerequisites or recommended prior knowledge for enrolling in the HCIA-Datacom training?

While the HCIA-Datacom course is designed for beginners, a basic understanding of computer operations and general IT concepts is beneficial. No prior networking experience is strictly required, as the curriculum starts with fundamental networking principles. However, familiarity with operating systems (like Windows or Linux) and command-line interfaces can help you grasp the practical labs more quickly.

Q: What specific hands-on skills will I gain that are directly applicable to managing Huawei network devices?

This HCIA-Datacom course provides practical, hands-on experience with Huawei's VRP (Versatile Routing Platform)

operating system. You will learn to configure and manage Huawei routers and switches, including setting up VLANs, configuring static and OSPF routing, implementing basic ACLs for security, and deploying fundamental WLAN services. You'll also gain proficiency in using Huawei's command-line interface (CLI) for device management and troubleshooting common network issues.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

Location

1st Flr, ICEA Building
Kenyatta Ave, Nairobi

Email

info@computer-pride.co.ke

Phone

+254 705 900 900

www.computer-pride.co.ke