



MACHAKOS UNIVERSITY & HUAWEI

presents

(Huawei Certified ICT Associate - HCIA)

Datacom Training



HCIA certification validates the knowledge and skills required for basic configuration and maintenance of small to medium-sized networks.

The HCIA curriculum includes, but is not limited to the following:

- Network fundamentals
- Basic connection methods of popular networks
- Basic network construction
- Troubleshooting of common network faults
- Installation and commissioning of Huawei routing and switching devices

With HCIA certification, you demonstrate (1) a basic understanding of small and medium-sized networks, including general network technologies, and (2) the ability to assist the design of small and medium-sized networks, and implement the designs using Huawei routing and switching devices.

With engineers who are HCIA certified, enterprises are able to construct simple networks and integrate voice, wireless, cloud, security, and storage technologies into their networks in order to support a variety of applications.



Training Path

Upon completion of this course, you will have a basic understanding of small and medium-sized networks, including general network technologies, and the ability to assist the design of small and medium-sized networks.

Can get the HCIA certificate when passing the corresponding exam above.



Curriculum

Data communication network basics
 Network Reference Model
 Huawei VRP
 Routing Protocol
 Network Layer Protocols and IP Addressing
 IP Routing Basics
 OSPF Basics
 Switching Network
 Ethernet Switching Basics
 VLAN Principles and Configuration
 STP Principles and Configuration
 Inter-VLAN Communication
 Eth-Trunk iStack and CSS
 Access Network
 ACL Principles and Configuration
 AAA Principles and Configuration
 Network Address Translation
 Network Services and Applications
 WLAN Overview
 WAN Technologies
 Network Management and O&M
 IPv6 Basics
 SDN and automation basics
 Introduction to SDN and NFV
 Network Programmability and Automation
 Typical Campus Network Architectures and Practices



Target Audience

Engineers who need to master basic datacom knowledge and capabilities.
Those who have capabilities in small and medium-sized network planning, deployment implementation, and O&M optimization



Prerequisites

- A basic understanding of Computer Networks
- A general understanding of PC operating system

Duration

- 5 Weeks



Training Dates

- 1st February – 5th March 2020

Weekdays & Saturday Weekend Class
9 AM – 5 PM



Cost

- KES 10,000 for Machakos University Students and staff
- 20,000 for Non-Machakos University Students and Staff
- Payment can be made to any of the branch of the following accounts and indicate that it is for HAINA:
- Kenya Commercial Bank: Account No. **1137145064**(Machakos Branch)
- National Bank of Kenya: Account No. **01020078499400**(Machakos Branch)



How to apply

Apply online at :
<https://bit.ly/2WGuFVy>



Exam

- **Prerequisite** No
- **Exam Subject**
 - Code: H12-211
 - Description: HCIA-HNTD
 - Fee: \$200 (free for now)
 - Duration: 90 Minutes
 - Language: English

For More Information

Mobile Number: +254 725644729 Or

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Certify Today. Master Tomorrow.