

ACNA: AfriHUB Certified Network Administrator

Course code: 76010
Duration: 6 Months
Cost: N252, 000.00
Certificate: AfriHUB Certified IT Professional
Global Certification: Cisco Certified Network Associate

Description:

ACNA validates the ability to install, configure, operate, and troubleshoot medium-size route and switched networks, including implementation and verification of connections to remote sites in a WAN. ACNA curriculum includes basic mitigation of security threats, introduction to wireless networking concepts and terminology, and performance-based skills. This new curriculum also includes (but is not limited to) the use of these protocols: IP, Enhanced Interior Gateway Routing Protocol (EIGRP), Serial Line Interface Protocol Frame Relay, Routing Information Protocol Version 2 (RIPv2), VLANs, Ethernet, access control lists (ACLs).

Pre-requisites:

No pre-requisite.

Target Audience:

Course Content:

1. **CCNA 1 – Networking for Home and Small Businesses**
 - Personal Computer
 - Operating Systems
 - Connecting to the network
 - Connecting to the internet through an ISP
 - Network Addressing
 - Network Services
 - Wireless Technologies
 - Basic security
 - Troubleshooting your Network
2. **CCNA 2 – Working at a small –to-medium business or ISP**
 - The internet and its uses
 - Helpdesk
 - Planning a network upgrade
 - Planning the addressing structure
 - Configuring network devices
 - Routing
 - ISP services
 - ISP Responsibility
 - Troubleshooting
3. **CCNA 3 – Routing and Switching in the Enterprise**
 - Networking in the enterprise
4. **CCNA 4 – Designing and Supporting Computer Networks**
 - Exploring the enterprise network infrastructure
 - Switching in an enterprise network
 - Addressing in an enterprise network
 - Routing with a distance vector protocol
 - Routing with a link - state protocol
 - Implementing enterprise WAN links
 - Filtering traffic using access control lists
 - Troubleshooting an enterprise network
 - Introducing network design concepts
 - Gathering network requirement
 - Characterizing the existing network



- Identifying application impacts on Network design
- Creating the Network Design
- Using IP addressing in the Network Design
- Prototyping the campus Network
- Prototyping the WAN
- Preparing the proposal