



# Kabarak University

## ICT Department



# Cisco Networking Academy

## Advanced.

### Cisco CCNA 1 Exploration

*Network Fundamentals.*

OSI and TCP models, Protocols and their functionality, Addressing the Network using IPv4 and IPv6, Subnetting using CIDR, Ethernet, Basic Router Configuration, Planning & Cabling Networks, Configuring and testing LANs with Cloud connectivity and all Module practical's.

### Cisco CCNA 2 Exploration

*Routing Protocols & Concepts*

Routing and Packet forwarding, CLI configuration and addressing, static routing, dynamic routing, Distance Vector Routing Protocols, RIP version 1, VLSM and CIDR, RIP version2, the routing table, EIGRP, Link-State protocols, OSPF and all Module practical's.

### Cisco CCNA 3 Exploration

*LAN Switching and Wireless.*

Switched LAN architecture, Switch features, switch concepts and configuration, Ethernet 802.3 LANs, Switch configuration, switch security, VLANs configuring, managing and troubleshooting, VTP, STP, Inter-VLAN Routing, Wireless concepts and configuration of WiFi and all Module practical's.

### Cisco CCNA 4 Exploration

*Access the WAN*

WAN technology, connections, PPP, HDLC, LCP, NCP, PAP and CHAP, Frame Relay, Virtual Circuits, Frame Relay Address mapping, Flow control, Network Security, Enterprise Security Policy, Cisco Auto Secure, SDM, ACLs Naming and Numbering ACLs, Teleworker, IP addressing, VPN Tunneling, IPsec Security.

**Duration:** Cisco CCNA 1 - 4 *1 month each*  
Cisco CompTIA A+ & Server+ *1 Month each*

**Costs:** Kshs 10,000 per module

This course is designed for people looking to gain professional certification & knowledge that is recognized worldwide such as IT professionals, IT managers, Network Engineers, Students, Lecturers, Telecommunication and others.

## Basic.

### Cisco CompTIA - A+ ITE I

*PC Hardware and Software*

Motherboards & form factors, the Chipset, CPU, hyperthreading, overclocking, ROM & RAM, drives, SATA, PATA, serial ports, cables, input devices, monitors, projectors, assembly, portables, printers, scanners, networks,

### Cisco CompTIA - Server + ITE II

*Windows and Unix Networking O.S.*

Network operating systems, OS types, configuring Windows 7. Configuring Unix networks and UNIX based facilities, the shell prompt, UNIX commands.

### Contact:

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