Satson GNL

Satson Course Outline

SCNA: Satson Certified Network Administrator

Course Code	**S201NA**
Duration	**6 Months**
Cost	**N250, 000**
Certificate	**SCITP: Satson Certified IT Professional**
Global Certificate	**Cisco Certified Network Associate**

Description:
SCNA 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. SCNA 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-requisite:
None

Target Audience:
Anyone who want to earn a career in IT networking

Course Outline:

1. CCNA 1 – Networking for Home and Small Businesses

I. Personal Computer
II. Operating Systems
III. Connecting to the network
IV. Connecting to the internet through an ISP
V. Network Addressing
VI. Network Services
VII. Wireless Technologies
VIII. Basic security
IX. Troubleshooting your Network

2. CCNA 2 – Working at a small –to-medium business or ISP

I. The internet and its uses
II. Helpdesk
III. Planning a network upgrade
IV. Planning the addressing structure
V. Configuring network devices
VI. Routing
VII. ISP services
VIII. ISP Responsibility
IX. Troubleshooting

3. CCNA 3 – Routing and Switching in the Enterprise

I. Networking in the enterprise Exploring the enterprise network infrastructure
II. Switching in an enterprise network
III. Addressing in an enterprise network
IV. Routing with a distance vector protocol
V. Routing with a link - state protocol
VI. Implementing enterprise WAN links
VII. Filtering traffic using access control lists
VIII. Troubleshooting an enterprise network

4. CCNA 4 – Designing and Supporting Computer Networks

I. Introducing network design concepts
II. Gathering network requirement
III. Characterizing the existing network
IV. Identifying application impacts on Network design
V. Creating the Network Design
VI. Using IP addressing in the Network Design
VII. Prototyping the campus Network
VIII. Prototyping the WAN
IX. Preparing the proposal