

Fundamental Networking (FN)

Duration 2 Days

COURSE CONTENT

This course introduces basic data communication to audiences with little or no background in computer networking. Major components and technologies of networking system will be covered. This course provides necessary information for students who would like to attend Interconnecting Cisco Network Devices (ICND).

PREREQUISITES

Students should have a basic idea of how computer works and have some experiences with the internet. Students should be familiar with bits, bytes, and binary system.

COURSE OUTLINE

Introduction to Networking Model

- OSI and TCP/IP model
 - MAC address
 - IP address and subnet
 - Port number

Physical layer (LAN cable)

Introduction to Networking Devices

- Router
- Switch
- Access Point

Introduction to Internet Protocol

- ARP
- DHCP
- DNS
- ICMP
- FTP
- HTTP
- Troubleshooting Command
 - ping
 - traceroute
 - nslookup
 - ipconfig