

CISCO CERTIFIED NETWORK ASSOCIATE



CCNA

WHY CERTIFY?

AS ENTERPRISES MIGRATE TOWARD CONTROLLER BASED ARCHITECTURES, THE ROLE AND SKILLS REQUIRED OF A CORE NETWORK ENGINEER ARE EVOLVING AND MORE VITAL THAN EVER. TO PREPARE FOR THIS NETWORK TRANSITION, THE CCNA ROUTING AND SWITCHING CERTIFICATION WILL NOT ONLY PREPARE YOU WITH THE KNOWLEDGE OF FOUNDATIONAL TECHNOLOGIES, BUT ENSURE YOU STAY RELEVANT WITH SKILL SETS NEEDED FOR THE ADOPTION OF NEXT .GENERATION TECHNOLOGIES

OBJECTIVE

This course is designed to impart knowledge about basic of Computer Networks, various protocols used in Communication, Managing and configuring Cisco Switches and Routers

MODULE - 1

INTRODUCTION TO NETWORK
EXPLORING THE NETWORK
OSI MODEL
IP ADDRESSING

MODULE - 2

ROUTING
STATIC ROUTING
DYNAMIC ROUTING PROTOCOLS
RIP
EIGRP
OSPF



COURSE OUTLINE

LEARNING HOURS

30-HOURS

CLASS DURATION

02-HOURS

METHOD

FACE TO FACE, PRACTICAL TRAINING



MODULE - 3

SWITCHING
BASIC SWITCHING CONCEPT AND CONFIGURATION
STP/RSTP
INTER VLAN ROUTING
ACCESS CONTROL LIST

MODULE - 4

SCALING NETWORKS
INTRODUCTION TO SCALING NETWORK
WIRELESS
NAT OVER IPV4
HSRP
REDISTRIBUTIONS
FRAME-RELAY
IPV6

LEARNING OUTCOMES

After completion of the course the student will be able to manage Network for a small Organization