

CSCO COURSE STUDENT LEARNING OUTCOMES

CSCO 120 - CCNA Internetworking Fundamentals

Students will be able to design and implement an IP addressing plan that meets the needs of a small network.

Students will be able to apply the basic principles of network cabling to connect devices in a small network.

Students will be able to perform basic configurations of network devices.

CSCO 121 - CCNA Routing and Switching Essentials

Students will be able to configure and troubleshoot NAT operations.

Students will be able to configure and troubleshoot routing in a small routed network.

Students will be able to configure, monitor, and troubleshoot ACLs for IPv4 and IPv6.

CSCO 220 - CCNA Scaling Networks

Students will be able to configure and troubleshoot basic operations of routers in a complex routed network for IPv4 and IPv6 using OSPF, EIGRP and RIP.

Students will be able to configure and troubleshoot DHCP and DNS operations.

Students will be able to configure and troubleshoot VTP, STP and RSTP.

CSCO 230 - Fundamentals of Network Security

Students will be able to design, implement, test, and troubleshoot Virtual Private Networks.

Students will be able to identify basic security threats and vulnerabilities for a given network and apply necessary security measures to prevent a possible network compromise.

Students will be able to implement, test, and troubleshoot a firewall system for a small business network.