Course Content

Course Description:
This course focuses on providing the skills and knowledge necessary to install, operate, and troubleshoot a small to medium-size branch office Enterprise network, including configuring several switches and routers, connecting to a WAN and implementing network security. This course is designed as a preparation for those taking the Cisco CCNA Intro Exam 640-802.

Prerequisites
CCNA: Interconnecting Cisco Networking Devices Part 1

Topics:

Small Network Implementation
- How to Configure a Small Network
- How to Troubleshoot a Small Network

Medium-Sized Switched Network Connection
- Small LAN to Medium Sized LAN Expansion
- Multiple Switches
- Supporting VLANs
- Trunking
- Spanning Tree

Medium Sized Routed Network Construction
- Routing Concepts for Medium Sized Network
- Implementing Routing on the Network

Single Area OSPF Implementation
- Configure OSPF
- Verify OSPF
- Troubleshoot OSPF

EIGRP Implementation
- Configure EIGRP
- Verify and Troubleshoot EIGRP

Access Control Lists
- How to Apply ACLs based on Network
- Requirements
- Configure, Verify and Troubleshoot ACLs on a
- Medium-Sized Network

Address Space Management
- How to Use a NAT or PAT on a Medium-Sized
- Network

LAN Extension to a WAN
- Identifying and Implementing WAN Technology
- based on Network Requirements