Course Title: CCNA 3: LAN Switching and Wireless

Duration: Ten (10) Days

Class Schedule: 9:00am to 5:00pm


Total Hours: 70 Hours

Course Description: This course helps students develop an in-depth understanding of how switches operate and are implemented in the LAN environment for small and large networks. Beginning with a foundational overview of Ethernet, this course provides detailed explanations of LAN switch operation, VLAN implementation, Rapid Spanning Tree Protocol (RSTP), VLAN Trunking Protocol (VTP), Inter-VLAN routing, and wireless network operations. Students analyze, configure, verify, and troubleshoot VLANs, RSTP, VTP, and wireless networks. Campus network design and Layer 3 switching concepts are introduced.

Course Contents:
- Ethernet Revisited
- Switching Concepts
- Cisco IOS Software and Cisco Discovery Protocol
- Inside the Switch
- Campus Network Design
- Basic Switch Configuration
- VLANs and IP Telephony Basics
- Rapid Spanning Tree Protocol
- Trunking and VLAN Trunking Protocol
- Inter-VLAN Routing
- Wireless Networks and Mobility
- Campus LANs