You Will Learn To:

• Given a network design that includes multilayer switching over Fast Ethernet, deploy the required Cisco products and services that enable connectivity and traffic transport
• Implement the necessary services at each layer of the network to all users to obtain services in a working multilayer switched network
• Given a working multilayer switched network, control network traffic by implementing the necessary admission policy at each layer of the network topology
• When presented with an incorrectly working multilayer switched network, restore proper network operations through the use of Cisco devices and external management tools
• Explain how service providers implement transparent LAN services to deliver Ethernet connectivity to the customer site

Who Should Attend:

• Network administrators and technicians responsible for implementing or troubleshooting a multilayer switched network in an enterprise environment.
• CCNP and CCDP candidates
• CCIE routing/switching candidates

Recommended Prerequisites:

Before taking this course, we recommend that learners complete the following courses or have the following experience:

• Cisco Certified Network Associate (CCNA) or related experience;
• Interconnecting Cisco Network Devices (ICND) course

Course Length:

• 5-days

Building Cisco Multilayer Switched Networks (BCMSN) is a 5-day instructor-led course recommended for individuals seeking certification as a Cisco Certified Network Professional. This course will enable learners to implement appropriate technologies to build scalable multilayer switched networks; build switched networks using multilayer switching technologies; create and deploy a global intranet; and implement basic troubleshooting techniques in environments that use Cisco™ multilayer switches for client hosts and services. BCMSN will also enable learners to improve traffic flow, reliability, redundancy, and performance for LAN switching that are self-supported or transported via service provider. The purpose of this course is to achieve a mid-career professional level competency.

COURSE OBJECTIVES:

• Module 1: Course Introduction
• Module 2: Configuring VLANs and VTP
• Module 3: Implementing Spanning-Tree Protocol
• Module 4: Enhancing Spanning Tree Protocol
• Module 5: Implementing Multilayer Switching in the Network
• Module 6: Improving Availability on Multilayer Switched Networks
• Module 7: Examining Cisco AVVID Services and Applications
• Module 8: Implementing QoS in Multilayer Switched Networks
• Module 9: Optimizing and Securing Multilayer Switched Networks
• Module 10: Understanding Metro Ethernet

PRICING:

5-day instructor-led course
Instructor-led at customer location
SKU 902-4748
Price $20,250 (limited to 10 students)

To learn more about Dell Training & Certification, contact your Dell Account Executive or any of the following:
Website: www.LearnDell.com
Email: US_Training@Dell.com
Phone: 1-866-360-3506 (US & Canada only)

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