

Cisco NCS 2000 Deploying 96-Channel Flex Spectrum (OPT201) v3.0

Course Duration: 32 Hours

Course Code: OPT201

1. Course Overview

The Cisco NCS 2000 Deploying 96-Channel Flex Spectrum (OPT201) v3.0 course provides in-depth knowledge and hands-on experience in deploying, configuring, and managing the Cisco NCS 2000 Series platforms with the 96-Channel Flex Spectrum feature. This course is designed to help participants gain expertise in planning optical networks, configuring advanced features, troubleshooting, and ensuring efficient network performance.

2. What You'll Learn?

By the end of this course, you will be able to:

- Understand Cisco NCS 2000 platform architecture and components.
- Deploy and configure 96-channel Flex Spectrum capabilities.
- Perform system setup, configuration, and verification.
- Optimize optical network performance and capacity.
- Monitor, manage, and troubleshoot common operational issues.
- Apply best practices for Flex Spectrum deployment and maintenance.

3. Target Audience

This course is ideal for:

- Network Engineers

- Optical Network Designers
- System Engineers
- Technical Support Engineers
- Professionals responsible for deploying, configuring, and managing Cisco NCS 2000 solutions

4. Pre-Requisites

To fully benefit from this course, participants should have:

- Basic understanding of optical transport systems
- Knowledge of networking concepts and protocols
- Familiarity with Cisco NCS platforms (recommended)
- Experience with command-line interface (CLI) and network management tools

5. Course Content (Modules)

Module 1: Introduction to Cisco NCS 2000 Series

- Platform architecture and features
- Flex Spectrum overview

Module 2: System Installation and Configuration

- Hardware setup and connectivity
- Initial configuration tasks

Module 3: Deploying 96-Channel Flex Spectrum

- Channel configuration and provisioning
- Spectrum assignment and optimization

Module 4: Network Operations and Management

- Monitoring and performance analysis
- Network management tools and processes

Module 5: Troubleshooting and Maintenance

- Common issues and resolutions
- Preventive maintenance and best practices

Module 6: Case Studies and Best Practices

- Real-world deployment scenarios
- Design considerations for scalable networks

