

# Cisco Optical Technology Intermediate v3.0 (OPT200)

**Duration:** 32.00 hours (4 days)

**26.0 CPD Hours**

**Rating:** ★ 4.6 (5,878 reviews)

## Course Information

**Delivery Format:** Instructor Led - Online

## Course Overview

The Cisco Optical Technology Intermediate (OPT200) v3.0 course is designed to teach you the skills necessary to deploy the Cisco® Optical Networking System (ONS), 15454 Multiservice Transport Platform (MSTP), and Cisco Network Convergence System (NCS) 2000 Series Dense Wavelength-Division Multiplexing (DWDM) networks from installation to protection. Through a combination of lecture and hands-on experience, you will learn installation, configuration, circuit protection, maintenance, and basic troubleshooting using the Cisco Transport Controller for the Cisco ONS 15454 M6 and M12 shelves, and for the Cisco NCS 2016 shelf. Additionally, in this course you will review DWDM terminology and components, explore available chassis and cards, and discuss hardware installation. You will learn to use the Cisco Transport Controller server software to connect to the nodes, perform network turn-up and circuit creation, and deploy linear and single-module ROADM (SMR) DWDM multishelf topologies. Using this software, you will also configure Raman amplifiers and Any Rate cards, and configure protected and unprotected circuits. The course covers a variety of card options: controllers, transponders, multiplexer-demultiplexer, add/drop, Raman amplifiers, and Cisco Any Rate muxponder cards. You will use the various cards to configure terminal, amplifier, mesh, split, Optical Service Channel (OSC) regenerator, and Reconfigurable Optical Add/Drop Multiplexing (ROADM) nodes. Finally, you will learn how to use many of the tools and features available with the Cisco Transport Controller to perform maintenance, testing, and basic troubleshooting of your optical network.

## About This Course

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## Who Should Attend

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This course is intended for:

System engineers

Technical support personnel

Channel partners and resellers

# Learning Outcomes

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**Upon successful completion of this course, participants will be able to:**

After taking this course, you should be able to:

Describe Cisco DWDM platform basics

Describe DWDM network topologies

Describe the management software used for managing Cisco DWDM networks

List the different hardware components of the Cisco ONS and Cisco NCS DWDM systems

Provision nodes and circuits in a Cisco DWDM network

Perform node and multishelf configurations

Implement SMR-based rings

Provision optical circuit protection mechanisms

Configure Any Rate cards

Describe the function of Raman amplifiers

Perform basic maintenance and troubleshooting of a Cisco DWDM network

## Additional Course Details

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Nexus Humans Cisco Optical Technology Intermediate v3.0 (OPT200) training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the Cisco Optical Technology Intermediate v3.0 (OPT200) course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

# Frequently Asked Questions

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## **Q: What delivery options are available for Cisco Optical Technology Intermediate v3.0 (OPT200)?**

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
  - Traditional Instructor-Led Classroom Training (ILT)
  - On-site delivery at your offices anywhere in United Kingdom
  - Private dedicated courses customized for your team
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## **Q: How many CPD hours does this course provide?**

The 4-day Cisco Optical Technology Intermediate v3.0 (OPT200) course provides up to 26.0 CPD hours of structured learning. CPD certificates can be provided upon request.

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## **Q: What is the duration of the Cisco Optical Technology Intermediate v3.0 (OPT200) training?**

The training takes place over 4 day(s), with each day lasting approximately 32.00 hours including breaks for lunch and refreshments.

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## **Q: Do you provide corporate training for Cisco Optical Technology Intermediate v3.0 (OPT200)?**

Yes, we provide corporate training, dedicated training, and closed classes for Cisco Optical Technology Intermediate v3.0 (OPT200). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

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## Q: Why choose Nexus Human for Cisco Optical Technology Intermediate v3.0 (OPT200)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

## Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Cisco Optical Technology Intermediate v3.0 (OPT200) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

## Nexus Human

### Professional Training & Development

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