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Learning Style: On Demand

Technology: Cisco

Difficulty: Intermediate

Course Duration: 10 Hours

Cisco Fundamentals of Fiber Optics Technology (FFOT) - On Demand

Course Information

About this course:

This course will introduce you to the fundamentals of fiber optics technology, fiber-

cleaning techniques, optical-networking system safety, DWDM fundamentals, and fiber testing and equipment. You will also develop understanding of fiber-cleaning techniques, optical-networking system safety, DWDM fundamentals, and fiber testing and equipment.

This course also offers an introduction to the Cisco Optical Networking System 15454 Multiservice Transport Platform and the Cisco Network Convergence System 2000 Series. You will learn fiber-cleaning techniques, optical networking system safety, Dense Wavelength Division Multiplexing (DWDM) fundamentals, and fiber testing and equipment through a combination of lecture and hands-on-labs.

In addition, you will learn the Cisco ONS 15454 MSTP/NCS shelf layout and components, as well as the Cisco ONS 15454 MSTP/NCS product fundamentals. You will learn the three MSTP shelf types (M12, M6, and M2) and the two NCS shelf types (NCS 2006, NCS 2002).

You will also learn Cisco ONS 15454 MSTP/NCS shelf layout and components, as well as, the Cisco ONS 15454 MSTP/NCS product fundamentals. You will also learn how to utilize the Cisco ONS 15454 documentation and the Cisco Transport Controller (CTC), and get an introduction to the Cisco ONS 15454 MSTP from Installation to Protection lab with CTC lab demonstration. The CTC lab is a brief introduction to your next course, if you desire the skills necessary to deploy a Cisco Optical Networking System (ONS) 15454 Multiservice Transport Platform (MSTP) network from installation to protection (FITP).In addition,

The Fundamentals of Fiber Optics Technology version 1.0 Cisco Training on Demand is a 10 hours course which consists of 8 modules. There are 8 video lessons and you can learn at you own pace from your own place.

Course Objective:

You will have the following skills upon completing this course:

- Identify the ONS 15454 MSTP shelves and components
- Understand the ONS 15454 documentation
- Perform Cisco Transport Controller (CTC) operations
- Clean optical fiber in a Cisco network
- Identify safety requirements in a Cisco optical network
- Identify DWDM concepts and test equipment

Audience:

- This course will help professionals who will be involve in installation, deployment, and maintenance of the Cisco ONS 15454 MSTP network
- This course is for technical professionals who require an introduction to fiber optics technology.

Prerequisite:

- Some working knowledge of fiber optics
- Basic computing skills

Course Outline:

- **Module 1: Optical Fiber and Cleaning**
- **Module 2: Optical Networking System Safety**
- **Module 3: DWDM Fundamentals**
- **Module 4: DWDM Test Equipment**
- **Module 5: Cisco ONS 15454 MSTP Shelf Layout and Components**
- **Module 6: Cisco ONS 15454 MSTP Product Fundamentals**
- **Module 7: Cisco ONS 15454 Documentation**
- **Module 8: Cisco Transport Controller Operations**

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