



## **FOA - CFOT® CFOS/H: Certified Fiber Optic Technician / Specialist in Fiber to the Home/Premise**

### **On-ground Training Course**

This is a US Department of Labor and internationally recognized certification covering fiber optic network fundamentals intended for anyone looking to enter the fiber optics field, including: network owners, IT personnel, facilities managers, network designers, engineers, inspectors, estimators, or technicians involved in the design or installation of FTTx (FTTH, FTTP, FTTB, etc.) fiber networks. This course is especially recommended for current fiber optic FTTx personnel, who may need to improve skills and obtain certification.

### **Upon successful completion of this course, students should achieve the following objectives:**

- Have broad knowledge on fiber optics fundamentals, standards, optical networks design, and applications
- Proper handling and preparation of fiber cables for installation, termination, and splicing
- Terminate fiber and Install fiber optic connectors
- Conduct basic splicing operations
- Perform connector inspection, insertion loss and OTDR tests
- Understand OTDR trace interpretation
- Understand installation best practices and safety issues
- Successfully pass the CFOT® certification test

### **Fiber to the Home/Premise (FTTH) Emphasis**

- Overview of FTTx network architectures
- FTTx standards
- FTTx network components (couplers/splitters, FDHs, NAPs, FATs, etc.)
- Planning and designing FTTH networks
- FTTx installation best practices
- FTTx testing and troubleshooting (P2P and PON Testing)
- Successfully pass the CFOS/H certification test

### **Pre-requisites**

- Completing online, self-paced, preparation course using Fiber U and Learning



- Management System (LMS) platform, and submitting all deliverables and assignments 3 days before class starts

## **Textbook**

FOA Reference Guide to Fiber Optics, by Jim Hayes

## **Course Details**

- 3 Weeks, self-paced, preparation course using Fiber U and LMS platform
- 5 Days, on-site classroom time
- CFOT certification test is given after completion of training and completion of related deliverables (FTTX Certification test given separately)
- A minimum score of 70% must be achieved to pass the exam

## **Completion and Certification Requirements**

To receive FOA CFOT certification, students must complete training and achieve over 70% on a final test consisting of 100 questions. Students that do not pass the FOA CFOT test will receive a certificate of completion by Zayin Fiber Optics. CFOS/H test is conducted separately from the CFOT.

## **Our Instructors**

Our instructors are highly qualified experts, with respective professional credentials in their areas including: Fiber Optic Association (FOA) Master Instructor and CFOS/I, PMP®, BICSI RCDD®, CSM®, CFHP®, and have served customers internationally over decades.

## **Legal Disclaimer**

Zayin Fiber Optics does not offer academic or vocational degrees. We are not accredited as a degree granting institution. We only offer Fiber Optics and Telecommunications related skills training and prep courses, and courses that lead towards certification by the Professional Fiber Optic Association (The FOA). Certifications by The FOA are recognized by the US Department of Labor, and Zayin Fiber Optics is authorized by The FOA to provide FOA certifications in its behalf. Zayin Fiber Optics is registered as FOA Approved School #756, and its authorized to offer FOA Training in the US and Internationally.