



IBEW 213 – Training for the Future

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CFOT FOA CERTIFIED FIBER OPTICS TECHNICIAN COURSE (5 DAYS)



**Certified
Fiber Optic Technician**

(CFOT)

COST OF COURSE:

- 1. IBEW NETCOM Assessment Members \$0.00**
- 2. IBEW Members \$1,230.00 + GST**
- 3. Public \$1,430.00 + GST**



NETCOM offers the Certified Fiber Optic (CFOT) course. It is the Fiber Optic Association's certification for general fiber optic applications. It is a first level certification and a prerequisite for any Specialist (CFOS/x) FOA certifications.

In this five-day course you will study basic theory and practical aspects of using fiber optic cable in different types of communications and data transmissions. Students will increase their knowledge and gain hands-on skills in fiber optics technology in preparation for earning their designation as a Certified Fiber Optics Technician (CFOT). This course involves a combination of theory and hands-on training. Students will focus on the practical aspects of working with fiber optic cables, including connectorization, fusion splicing and testing. A wide range of topics will be covered, such as the different types of fiber and cables, how to specify fiber optic cable and sources of loss in fiber. Examples of additional topics include:

- Fiber optic installation safety
- Types of fiber optic connectors, tools and splicers
- Fiber cable hardware
- Numerical aperture, bandwidth, attenuation
- Mechanical splicing, joining fiber, fusing, cleaving and scribing
- Guidelines for fiber optic designs and installations
- Cable installation and loss budget analysis
- Fiber optic cable pulling
- Test equipment and fiber optic testing
- OTDR testing and troubleshooting



This course is designed for individuals who wish to increase their knowledge and gain hands-on skills in fiber optics technology in preparation for writing the Fiber Optics Association exam. The FOA exam is administered on the last day of the course. CFOT Accreditation will be awarded by the FOA upon successful completion and passing the final exam.

Course tuition covers the following:

- Textbook
- All handouts
- All lab supplies
- Exam fee
- Three year FOA membership
- Wall mount certificate of completion from NETCOM
- Wallet sized official FOA certification card
- All necessary hand tools and test equipment will be supplied by NETCOM