



IBEW 213 – Training for the Future

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CFOS/W FOA CERTIFIED FIBER OPTICS SPECIALIST FIBER FOR WIRELESS (3 DAYS)



COST OF COURSE:

- 1. IBEW NETCOM Assessment Members \$0.00**
- 2. IBEW Members \$700.00 + GST**
- 3. Public \$900.00 + GST**

Course Level: Intermediate to expert.

Prerequisite: CFOT, CPCT or equivalent basic knowledge of fiber optics and communications networks.

This course is designed for anyone interested in learning how fiber optics is used to implement cellular, small cell, WiFi and other wireless networks. This Fiber Optic Training combines lecture sessions and hands-on activities to prepare the student to take the CFOS/W hands on and written exams that are sanctioned by the FOA (Fiber Optics Association) and given and graded the final class day.

CFOS/W - Certified Fiber Optic Specialist, Fiber For Wireless - is the FOA certification for technicians installing wireless communications systems that are connected on fiber optics. This course is an application specialist course focusing on educating technicians about what is involved in connecting cell site backhaul and fronthaul, antennas on cell towers, small cells, distributed antenna systems (DAS), and WiFi access points for premises, urban and rural line-of-sight WiFi networks. Skills for technicians should be learned for other certifications.

Course Outline / Competencies:

- Cellular wireless technology
- Fiber to cellular wireless tower architectures
- Fiber To The Antenna
- Small cells
- DAS (distributed antenna systems)
- WiFi technology
- Enterprise WiFi
- Metropolitan WiFi
- Line Of Sight WiFi
- Rural WiFi
- Testing the components and installed cable plant

