

## Certified Fiber Optic (CFO) Course Descriptions

### **COMBINED - CFO Technician & Specialist – Outside Plant Course (CFOT) - \$1,475\***

#### **CFO TECHNICIAN**

This introductory 3-day (24 hour) fiber optic technician course is designed for anyone interested in becoming a Certified Fiber Optic Technician. This Fiber Optic Training combines theory and 85% hands-on activities to prepare the student to take the CFOT (Certified Fiber Optic Technician) test that is sanctioned by the FOA (Fiber Optics Association) and given and graded the final class day. This course also introduces the student to industry standards governing FTTD (Fiber to the Desk), FTTH (Fiber to the Home), and Distribution Cabling. Students will learn how to identify fiber types, recognize various connectors used in fiber installation; and install, terminate, splice, and properly test installed fiber cable to existing standards. This program explores the history and future of fiber optics and fiber optics capabilities, and basic testing and troubleshooting. Anyone interested in becoming a Certified Fiber Optics Technician should attend this class. Course fee includes study materials, Text Book, exams and 1-year membership to the FOA. Note: The student must pass both the written (70%) and hands on exams to successfully pass this course.

#### **CFO SPECIALIST – OUTSIDE PLANT**

**Course Description:** This class will be 20-24 hours (still working on details). This fiber optic specialist course is for students who will be directly involved with installing Outside Plant (OSP) Fiber Optics Cabling. Further, it is an add-on course to their FOA portfolio once they have successfully completed the 3-day, basic CFOT course. This advanced Fiber Optic Training combines lecture sessions and 85% hands-on activities to prepare the student to take the CFOS/O, OSP hands on and written exams that are sanctioned by the FOA (Fiber Optics Association) and given and graded the final class day. **This course introduces the student to industry standards governing the installation, testing, and troubleshooting of OSP fiber optics cable – used in the Outside Plant Rugged Environment.** Students will learn how to properly identify OSP fiber cabling types, recognize various outside plant closures used in OSP fiber installation, install, prepare, terminate, splice, and properly test and troubleshoot installed OSP fiber cable to existing standards. **Hands-on activities include both mechanical and fusion splicing.** Course fee includes study materials, Text Book, exams and 1-year membership to the FOA. Note: **The student must pass both the written and hands on exams to successfully pass this course.**

**Prerequisite:** FOA CFOT Course. All students MUST have successfully passed the basic CFOT course within the preceding 12 months or have renewed their FOA membership within that time-frame prior to attending the CFO Specialist courses offered. There are no exceptions.

***\*CFOT & CFOS/O are combined into one course – one certification exam, two certifications - \$1,475***

### **Certified Fiber Optics Splicing Specialist Course (CFOS/S) - \$675**

**Course Description:** This class will be 20-24 hours (still working on details). This Splicing Specialist Training includes the importance of high performance splicing and further details the points necessary to achieve these splices. The course also provides background information about splicing that is very important to the student. An overview of OTDR functions and trace understanding is also provided. 85% hands-on classroom activities will provide training in both fusion and mechanical splicing of either single or multimode fiber optic cables. Inside or outside plant fiber optic cable types will be utilized at instructor's discretion during these hands-on sessions along with fiber optics enclosures and splice trays. The student will be responsible for successfully making and testing both mechanical and fusion splices. In addition to the basic splicing activities outlined above, the student will further be required to correctly and efficiently install spliced fibers into splice trays and enclosures. The student will also be required to achieve a splice loss of less than 0.15 dB for all splices and demonstrate proficiency in interpretation of splice loss using OTDR splice traces.

**Prerequisite:** FOA CFOT Course. All students MUST have successfully passed the basic CFOT course within the preceding 12 months or have renewed their FOA membership within that time-frame prior to attending the Specialist courses. There are no exceptions.

**These courses are recognized by The US Department of Labor and are sanctioned by the Fiber Optic Association (FOA).**