Certified Fiber Optic Specialist/Splicing (CFOS/S)

ELEC 723
(16 Hours)

COURSE DESCRIPTION

This 2-day program includes a complete PowerPoint presentation explaining the importance high performance splicing and further details the points necessary to achieve these splices. The depth of this presentation is much greater than most textbooks and provides background information about splicing that is very important to the student. An overview of OTDR functions and trace understanding is also provided during this presentation. 75% hands-on classroom activities will provide training in both fusion and mechanical splicing of both single and multi mode fiber optic cables. Both inside and outside plant fiber optic cable types will be utilized during these hands-on sessions along with inside and outside plant enclosures and splice trays. The student will be responsible for successfully making and testing both single mode and multi mode 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 trays in enclosures. These enclosures will include rack and wall mounted splice enclosures, as well as, outside plant enclosures. The student will further 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. This program is approved for BICSI CECs (Continuing Education Credits): RCDD 14 CECs and INS, Level 2/Technician CECs - 14

Target Audience: CFOT Course or another Formal Fiber Optics Training Course within preceding 6 months, or 1 Year Fiber Optics Related Experience. Specifically: Experience with fiber preparation, termination, and testing and a thorough knowledge of fiber optic safety practices.

Note: Anyone can attend this program. However, those wishing to become registered with the FOA as a Certified Fiber Optic Specialist in Splicing (CFOS/S) must have taken and passed the Basic CFOT Exam which can be administered during this class period. If the student is not a registered CFOT with the FOA, the 100-question exam is available to “test out” of the basic, CFOT Course requirement. The fee for this exam is $145.00.

Maximum Enrollment: 12
Minimum Enrollment: 6

Outline

In this class, participants will learn:

- Program prepares the student to take the CFOS/S (Certified Fiber Optics Specialist/Splicing) exam that is sanctioned by the FOA (Fiber Optics Association). The exam is given and graded the final day of class.