

Certified Installer

3-Day Certified Installer Course

COURSE OVERVIEW: Our mission is to provide our students with the hands-on knowledge and the ability to successfully install and test fiber optic cables and systems. Students will terminate a variety of ST and SC (standards based) connectors and will be trained in performing mechanical splices. They will test and troubleshoot using a Light Source & Power Meter and a Visual Fault Locator (VFL). They will also be introduced to the principles of fusion splicing and the use of an Optical Time Domain Reflectometer (OTDR).

WHO SHOULD ATTEND: Anyone who is involved in design, configuration, installation, testing, troubleshooting, or fiber optic system maintenance: technicians, system analysts, design engineers, managers, telecommunication professionals, etc.

CERTIFICATIONS: Our instructors are 3M factory trained technicians and we understand the need to provide you with recognized industry certified training. Our 3 Day Certified Commercial Course will qualify you for:

BICSI - RCDD & Installation Program Continuing Education Credits

3M - Factory Certificate

KITCO - Completion Certificate

ETA Certification - students are offered the option of taking the Electronics Technician Association (ETA) Certified Fiber Optic Installer (CFOI) exam for a fee of \$150. Upon successful completion, you will be certified as an ETA Certified Fiber Optics Installer

COURSE OUTLINE

DAY 1: FIBER OPTICS, THE PHYSICAL LAYER

- Introduction to fiber optics
- Advantages of fiber optics over copper
- Fiber optic theory & the properties of light
- Applications and principles
- Fiber optic safety precautions
- Reflection and refraction
- Propagation of fiber optic light waves
- Attenuation of the fiber signal
- Cable construction and selection of the right fiber
- Fiber optic distribution hardware
- Stripping and scoring of fiber optic cable
- Identification of fiber optic connectors

DAY 2: CONNECTORIZATION AND TESTING LAB

- 3M Connectorization; Hot Melt, epoxy (ST, SC & FC)
- ST and SC cable assembly with Anaerobic Adhesive
- Loss Budget Calculations
- Testing demonstration of Light Source and Power Meter
- Students test cable assemblies
- Evaluation of hands-on performance
- Evaluation of students' termination skills

DAY 3: ADVANCED TOPICS AND EVALUATION

- 3M Fibrlok II splices
- Evaluation of students' termination skills
- Testing of students' cable assemblies
- Evaluation of hands-on performance
- Optical Time Domain Reflectometer (OTDR) principles
- Course review
- Optional ETA testing (FOI)

PRICE: Please contact us for current pricing. Send an e-mail to: training@kitcofo.com or call 866-643-5220 or 757-216-2222.