Fiber Optics for Enterprise Networks

This three-day, instructor-led course provides the practical knowledge and hands-on skills training required to properly design, install, and maintain fiber optic premises and data center networks. Attendees will use the latest in fiber optic technology to splice, connectorize, test, and troubleshoot multimode and single-mode fiber networks in order to increase efficiency and reliability, as well as reduce costs and downtime.

Audience: Installation contractors and end users involved in building and maintaining premises networks and data centers

Prerequisite: Fiber Foundations recommended, but not required

Classroom Topics (1.5 Days)

- Introduction
- Applications
- Standards and Codes
- Fiber Optic Transmission Theory
- Multimode Optical Fibers
- Single-mode Optical Fibers
- Optical Cables
- Fiber Management Products
- Connectors
- Fiber Splicing
- Installation
- Test Equipment
- Testing
- System Design
- Safety

Hands-on Skills Labs (1.5 Days)

Cable Preparation
- Tight Buffered Cable Preparation
- Loose Tube Cable Preparation
- Fanout Kit Installation
- Wire Mesh Pulling Grips
- Pre-terminated Cable Protection

Connectorization
- Field-installable Connectors
- Splice-on Field-installable Connectors
- 900-micron Multimode Jumpers
- Attenuation Measurement

Fusion Splicing
- Cleaning and Fiber Cleaving Processes
- Attenuation Measurement

Testing
- Single-mode Insertion Loss Testing
- Multimode Insertion Loss Testing
- Single and Multifiber Connector Testing
- Connector Inspection
- OTDR Testing
- Measure Optical Return Loss
- Compute a Link Loss Budget

Certification

ETA® International Fiber Optics Technician — Inside Plant (FOT-ISP)
This certification is designed for those working with optical fiber in enterprise and data center applications. Valid for four years.

Light Brigade Digital Badge
Complete this course and earn a Credly digital badge.

Early Bird Pricing*

Three-day course.......................... $1500

*See page 17 for more information.

Upcoming Dates and Locations

For training, tools, or equipment:
206.575.0404 • 800.451.7128
lightbrigade.com

Classes Frequently Updated
Check our Website for Current Dates and Locations
Specifications, class dates, and pricing are subject to change without notice.

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