

# FIS UNIVERSITY FIBER OPTIC TRAINING CLASSES

## 2010 TRAININGS

MAY	
10-11	RALEIGH, NC
12-13	CHARLOTTE, NC
25-26	BALTIMORE, MD

JUNE	
7-8	PROTLAND, OR
9-10	SEATTLE, WA
21-23	BRIGHTSIDE, NY

JULY	
19-21	BRIGHTSIDE, NY

AUGUST	
9-11	BRIGHTSIDE, NY
17-18	PROVIDENCE, RI
23-25	BRIGHTSIDE, NY

SEPTEMBER	
13-14	JACKSONVILLE, FL
15-16	ATLANTA, GA
27-29	BRIGHTSIDE, NY

OCTOBER	
4-5	SALT LAKE CITY, UT
6-7	DENVER, CO
18-20	BRIGHTSIDE, NY

NOVEMBER	
1-2	SAN DIEGO, CA
3-4	LAS VEGAS, NV

DECEMBER	
6-7	NEW YORK, NY
8-9	BOSTON, MA
15-16	ALBANY, NY

## CURRICULUM

### DAY 1 – FIBER OPTIC COURSE

#### Basic Fiber Optic Theory

- Advantages Fiber Optic Theory
- Components in a Link
- Layers of a Simplex Cable
- Singlemode Vs. Multimode
- Multifiber Cable Configurations
- Fiber Optic Connectors

#### FIS SC Connectorization Workshop

- Cable Preparation
- Curing and Scribing
- Polishing

#### FIS LC Connectorization Workshop

- Cable Preparation
- Curing and Scribing
- Polishing

#### Microscope Operation & Connector Polish Analysis

### DAY 2 – ADVANCED FIBER OPTICS

#### Fiber Optic Review and Self Test

#### Power Meter & Light Source Theory and Workshop

- PM & LS Operation
- Hands-On Instruction

#### OTDR Theory and Workshop

- How an OTDR Works
- Events
- Reflective Vs. Non-Reflective
- ORL & Connector Polishes
- How to Read an OTDR Trace
- OTDR Workshop

#### Advanced Fiber Optic Theory

- Attenuators
- Couplers/Splitters
- WDM/CWDM/DWDM
- VCSEL & LASER Optimized Multimode

#### Mechanical Splicing Theory & Workshop

- Assembly of SC Bobtail Quick Term Connector

#### Fusion Splicing Theory & Workshop

- Hands-On Instruction
- Fiber Optic Troubleshooting

## COST:

\$225	Day One
\$275	Day Two
\$450	Two Day Class
\$599	Brightside Cost

## FIBER OPTIC TOOLS USED IN TRAINING

Sumitomo Fusion Splicer  
 FIS Deluxe Hand Held Dual  
 FIS Hand Held Power Meter  
 FIS Hand Held Light Source  
 FIS SC/PC MM Zirconia Connector  
 FIS LC MM Simplex Connector  
 FIS Bobtail SC MM 62.5µm  
 Pre-Polished Connector  
 FIS SC Bobtail Holding Fixture

Bobtail Kit Quickset Epoxy  
 FIS Polish Film A/O .3µm White  
 FIS Polish Film S/C 5µm Black  
 3M Diamond Lapping Film 6x6 .5µm  
 3M Diamond Lapping Film 6x6 1.5µm  
 FIS Universal Crimp Tool  
 FIS LC Crimp Tool  
 FIS 24-Port Connector Heat Oven  
 FIS Fusion Protection Sleeve

TLC Multimode Fiber  
 Miller Tri Hole Stripper  
 Miller Kevlar Shears  
 FIS Economy Diamond Scribe  
 FIS Blue Dye Epoxy 2 gram  
 Epoxy Syringes  
 FIS Universal Polish Disc 2.5mm  
 Sumitomo Precision Cleaver  
 FIS Pocket Fault Locator

FIS Low Lint Optic Wipe  
 Bottle Isopropyl Alcohol  
 Large Black FO Polishing/Work Mat  
 Polish Pad  
 Piano Wire  
 Fiber Disposal Unit  
 FIS Compact 200X Microscope  
 Universal Ultra Splice Multimode  
 FIS Fiber Optic Cleaver  
 Matching Gel



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