



## Custom Course Questionnaire

The Light Brigade can develop and deliver a custom onsite course specific to your needs and application. Let us create a course to meet your desired skill level and to focus on specific subject matter. We have produced thousands of customized courses, DVDs, and other training materials.

### Benefits of Customized Onsite Training

- **Convenience** – We can bring our training to your site(s) and scheduled to meet your business needs.
- **Cost and Time Savings** – Minimize travel time and expense to and from a public class. Also, your staff's time will be spent focused on issues specific to your company's business.
- **Develop Expertise** – Use your own equipment in our training or have us bring our extensive inventory of equipment and supplies. You decide!
- **Critical Emphasis** – You pick the objectives, products, and techniques of particular importance to your operations, and our skilled instructors and technicians will tailor a custom course to meet your requirements.
- **Scheduling Flexibility** – A custom course can be any length: one day, one week, or longer. It can take place at a time and place most convenient to your organization. Sessions can be scheduled throughout the year and delivered at different company locations.



### Determining Your Training Needs

We have developed a series of custom course questionnaires to assist you in identifying key goals and objectives for your organization. These allow us to tailor a course based on your application and specific staff needs. Request a full questionnaire via email from [pam@lightbrigade.com](mailto:pam@lightbrigade.com).

- What is your time frame for hosting a course?
- What are your primary objectives for this course?
- How do you think the class time should be allocated (classroom lecture vs. hands-on labs)?
- How many days of training do you need?
- How many people will be trained, and what are their job responsibilities?
- Is certification important?
- How do you use fiber in your work environment?
- How many classes do you need?

Name \_\_\_\_\_ Company \_\_\_\_\_  
Title \_\_\_\_\_ Email \_\_\_\_\_  
Mailing Address \_\_\_\_\_  
Phone \_\_\_\_\_ Fax \_\_\_\_\_

Check off the topics you would like included in your course and we will develop a class proposal for you.

### Classroom Lecture

**Introduction to Fiber Optics**

Standard  
Terminology & Glossary

**Fiber Theory & Optical Fibers**

Multimode  
Single-mode  
Attenuation  
Dispersion

**Fiber Optic Cables**

Indoor  
Outdoor  
Color Codes  
Fanout Kits

**Fiber Optic Connectors**

Single-mode Connectors  
Multimode Connectors  
New Connector Styles  
Connectorization Techniques  
Connector Polishes  
Inspection and Cleaning

**Fiber Optic Splicing**

Fusion  
Mechanical  
Ribbon

**Installation**

Premises  
Outside Plant  
Utility

**Testing and Test Equipment**

Testing Theory  
Test Equipment  
Operation and Application  
Fiber Characterization  
Documentation

**Restoration**

OTDR Operation  
Outside Plant/Single-mode  
Premises/Multimode  
Planning

**System Design**

Loss Budgets  
LEDs, Lasers, Detectors  
Repeaters  
Integration  
Couplers and Switches  
DWDM

**Applications**

Gigabit Ethernet  
FTTx  
SONET/ATM  
Security/CCTV  
Fibre Channel  
Pro A/V and Broadcast  
Military  
DWDM  
Utility  
Traffic Systems  
Data center  
Oil and gas  
Mining

### Hands-on Labs

**Fiber Optic Splicing**

Fusion  
Mechanical  
Pigtail  
Ribbon  
Restoration Scenarios

**Connectorization**

ST, SC, LC  
Inspection and Cleaning  
Cable Assembly Testing  
Single-mode  
Multimode

**Cable Preparation**

Loose Tube Cables  
Ribbon Cables  
Tight Buffered Cables  
Panel Preparation  
Closure Preparation  
Fanout Kits  
Mid-entries

**OTDR Operation**

OTDR Setup  
Span Acceptance  
Splice Loss  
Testing Optical Splitters  
Emergency Restoration  
Troubleshooting

**Optical Loss Testing**

Link Loss Measurements  
Transmit and Receive Power  
Reflection Testing  
FTTx/PON Testing  
Variable and Fixed Attenuators  
Identifiers and Tracers  
Documentation

**Specialty**

PMD, CD, ORL  
DWDM/CWDM  
FTTx  
Traffic Systems

**Additional topics not listed:**