



# Emergency Restoration

The words “emergency restoration” strike fear into any network or outside plant manager. Outages can cost thousands of dollars for every hour your system is down. When a problem occurs, it is critical not only to have a recovery program in place, but to have staff trained to deal with the emergency in timely, cost-effective manner.

This course features classroom lecture with a heavy emphasis on fault location, troubleshooting, and test equipment. The lecture is followed by hands-on exercises that simulate actual field restorations for both retrievable and non-retrievable slack scenarios.

**Course Format:** Two days; 4 hours of classroom learning and 12 hours of hands-on training

**Audience:** Fiber optic technicians, engineers and managers who work in the OSP environment

**Prerequisite:** Knowledge of fiber optic theory, as well as field experience, equivalent formal training such as the Fiber Optics 1-2-3 course, or viewing the Light Brigade Staff Development Videos

## Certificate



Light Brigade  
Certificate of Completion

Complete this course and receive a Light Brigade Certificate of Completion.

## Course Fees\*

Two-day course . . . . . **\$1100**

### Discounts

- 10% Multiple attendees
- 10% USTelecom members
- 15% IMSA, UTC, and FBA members
- 25% Light Brigade alumni

\* Prices valid for registrations received at least 21 days prior to class.

## Course Outline

### Classroom (0.5 Days)

- Fiber and Fiber Theory
- Optical Cable
- Connectors
- Fiber and Cable Management
- Splicing
- Test Equipment
- Optical Testing
- Documentation
- Restoration Planning
- Retrievable and Nonretrievable Slack
- The Restoration
- Safety

### Hands-on (1.5 Days)

- Safety Meeting**
- Restoration Simulation**
  - Build an Emergency Restoration Kit
  - Build a Simulated Fiber Optic System
  - Test the Span with an OTDR
  - Perform a Loss Budget
  - Perform Optical Loss Testing
  - Define the Simulated Outage
  - Accurately Measure Distance
  - Measure Optical Distance
  - Field Repair Simulation
  - Retest and Document the System

## Upcoming Dates and Locations

- Seattle, WA** Feb 5-6, 2019
- Lowell, MA** Mar 16-17, 2019
- Spartanburg, SC** Aug 27-28, 2019

## Custom Emergency Restoration Training

Call for information about training tailored specifically for premises restorations.

**“I will be able to take gained knowledge and share with others and create a plan that will work for us.”**  
 — Jim W., Pierce County, Washington