

## Course Description

This Hands-On 2-day course is designed to provide technicians with a practical and Hands-On understanding of the rapid expansion of fiber optics. This expansion has created two new realities-increased reliance on fiber optics for crucial traffic paths, and secondly the shortage of contract installation/splicing teams. It makes sense for a telephone company to be able to internally respond to fiber emergencies. To do this efficiently, technicians need training on the cable, closures, and splicing techniques unique to their fiber optic plant.

This class is designed to increase the technician's confidence and competence, which will result in a successful response to a fiber cut by being prepared and skilled for emergency restoration.



## Students Will Learn

- **What information and equipment must be in place before trouble occurs**
- **How to use the test gear in an emergency to locate the problem area**
- **What power generation, shelter, and lighting is suitable for a restoration**
- **How to prepare the damaged cable for an emergency restoration, and how to facilitate the permanent repair**
- **Mechanical splicing that is available, how to buy, store, and use.**
- **What closures work good for restoration.**
- **How to make an emergency restoration kit.**
- **Practical tips designed to cut down-time.**
- **Safety rules.**
- **Creating a response plan.**
- **And More**

## Target Audience

Contractors, union craftsman, electricians, technicians, installers, splicers, LAN managers/administrators, end-users, engineers, MIS managers, facilities managers, architects and developers, systems engineers, telecom managers and anyone

involved in repairing, installing, maintaining, designing, evaluating, or provisioning Cable, Fiber Optic Cables and Optical Networks.

## **Prerequisites**

A basic understanding of telecommunications and basic fiber optics, splicing, terminating and testing. This information can be obtained in our courses below  
TeleCom Networks Today "II"  
Hands-On Fiber Optic ISP/OSP (Splicing, Terminating & Testing Inside & Outside Plant Cabling)

## **Delivery Method**

Instructor led with numerous Hands-On labs and exercises.

## **Equipment Requirements**

**(This apply's to our hands-on courses only)**

BTS always provides equipment to have a very successful Hands-On course. BTS also encourages all attendees to bring their own equipment to the course. This will provide attendees the opportunity to incorporate their own gear into the labs and gain valuable training using their specific equipment.

## **Course Length**

2 Days