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Fiber Optics 1-2-3

Course Description

**This four-day class has been developed with 16 hours of classroom and 16 hours of hands-on skills labs to provide practical understanding and skills required to properly design, install, and maintain fiber optic networks. Applicable for fiber optic communications systems in Telco, Broadband, and Premises (LAN) applications. Students will use the latest fiber optic technology and equipment to learn how to splice, connectorize, test, and troubleshoot optical fiber networks in order to increase efficiency, reliability and on-the-job safety as well as reduce cost and downtime.**

Course Level

**Explain the different types of optical fibers and cables**

**Introduce the different techniques of fiber manufacturing**

**Explain the optical fiber handling and end preparation**

**Provide trainees with hands on training on fiber handling and end preparation**

 **using most popular fiber stripper and cleaver tools**

**Provide trainees with hands on training on fiber splicing using popular automatic splicers**

**Explain the fundamentals of fiber optic communications**

**Introduce the fiber optic components and related technologies**

**Introduce the most important fiber optic communication devices and related technologies.**

**Introduce latest advances in fiber optic communications and other fiber optic applications**