

# CITY & GUILDS 3667-02 Unit 102 Fibre Optic Cabling in an Internal Environment

## Overview

This course is very intensive and runs over 4 days. Essentially it provide delegates with underpinning knowledge and the practical skills so that delegates can install, splice, terminate and test fibre optic cabling in a typical premises environment.

Using a number of simulated scenarios, and practical training set ups, this course concentrates on the components, equipment and the best "practice" that typically, is used for the local area network situation. Multimode or singlemode cabling is utilised in the training sessions with delegates acquiring the knowledge and skills acquired that can then be applied to fibre optic cabling systems used for LAN applications, CCTV, security, industrial process control and sensor applications.

## Who Should Attend?

This course is aimed at those that are seeking to acquire fibre optic installation and testing skills typically used in an internal environment. It is also suitable for those who are new to the industry.

## Course Content

- Theory of Light
- Fibre optic transmission
- The " how" and "why" fibre optic cabling is used in a LAN environment
- How optical fibres work and the issues that can affect performance
- Current standards
- Terminologies and definitions
- Identify fibre optic components and explain their uses
- Work safely with optical fibres in an internal environment
- Follow recommended installation procedures and working practices
- Prepare fibre optic cabling for termination, connectorisation and splicing
- Terminate fibre optic cabling by fitting connectors
- Fibre optic cabling fusion splicing
- Loss budget calculations
- Carry out a OTDR test on fibre optic links
- Interpreting test results
- Fibre optic fault finding

This information is for guidance purposes only courses may be subject to change after publication.



### DURATION

4 Days

### QUALIFICATION

City and Guilds  
Certificate

Please contact us for prices, dates and locations.

