

FIBRE OPTIC INTRODUCTION

LinxcomUK is providing you with industry standard qualifications in Fibre Optics. The scheme is approved by the UK Qualifications and Curriculum Authority (QCA) to give successful candidates a **Level 2 award**.

With constant changes in the industry, our course content has been updated with the Fibre Optics Industry ensuring the syllabus is both **relevant** and **up-to-date** including industry standards and codes of practice.

1

Introduction

Features of fibre, telecomm and basic system components

2

Fibre Optic Basics

Structure, Materials, Light Propagation, MM & SM, specs

3

Fibre Safety

Fibre Sharps, Chemicals, Optical & environmental hazards

4

Cables

Internal & External Cables, types & features

5

Cable Preparation

Tools & Techniques

6

Joining Fibres

Problems, Methods, & Typical Specifications

7

Fibre Splicing

Principles, Fusion Tech, Fibre Prep, mechanical splicing

8

Fibre Connectors

Principles & Connector Types

9

Cable Joint Enclosure + Splice Tray

Requirements, Types & ODFs

10

Optical Components

Couplers/Splitters, WDMs, DWDMs, Isolator, modulators

11

Routing Issues

Rights of Way & compatibility of existing infrastructure

12

Installation Environments

Ducts, Direct Burial, Tarmac, Through, Aerial & Submarine Sys

13

Installation Methods

Routing Issues, Installation Environments, Pulling, Laying & blowing

14

Fibre Testing

Continuity, VFL, ILM, RLM, OTDR Basics & Fault Locating

Course duration is 3 days. Hours are 9:30am-5pm. Max 8 delegates.

For more information relating to this course or any other courses we have available please contact us at sales@linx-com.com