

## City & Guilds Fibre Optics (multi mode) 3466-02

**Description:** This universally recognised qualification is an ideal way to get into communications cabling. It will provide you with the skills you need to professionally install and test Multi-Mode fibre optic cabling for applications including video, CCTV and datacomms. This course is also ideal for executives looking for a better understanding of Multi-Mode installation practice.

**Venue:** Fujikura Training Centre, Westbury, Wiltshire

**Duration:** Five days

**Dates:** This course is offered continuously throughout the year. Please refer to the calendar enclosed for the start date of the next convenient course.

**Price:** Please refer to current price list. FUJIKURA PRICE GUARANTEE. We guarantee that you will not be able to find this course at a lower fee anywhere else in the UK. We will match any lower fee.

### Course content

- **INTRODUCTION**
  - Communications
  - Pros and cons of fibre optics
  - Measurement units
- **SAFETY**
  - BS.7718 recommendations
  - Safe working practices
  - Laser safety
- **CABLES**
  - Cable types and construction
- **CABLE INSTALLATION AND PREPARATION**
  - Cable handling issues
  - Techniques and tools
- **JOINING FIBRES**
  - Why loss occurs
  - Performance requirements
- **CONNECTORS**
  - Connector basics
  - Connector types
  - Termination techniques
- **OPTICAL FIBRES**
  - How fibre works
  - Multi mode and Single mode
  - Parameters of operation
- **SPLICING FIBRES**
  - Cleaving
  - Trouble shooting
  - Splicing parameters
- **SPLICER CARE**
  - Routine maintenance
  - Care of electrodes
- **MECHANICAL SPLICING**
  - Splicing procedure
- **OTHER COMPONENTS**
  - Fusion splicing
  - Splicers
  - Mechanical splicing
- **INSTALLATION**
  - Procedures to BS.7718 & BS.50173
- **TESTING**
  - Test equipment
- **INTRODUCTION TO OTDRs**
  - OTDR features and principles
  - OTDR capability and limitation
- **OPERATING AN OTDR**
  - Step by step guide to procedure
- **ASSESSMENT**
  - City & Guilds written assessment
  - Simulated installation exercise
- **SPLICING TECHNIQUES**
  - Fusion splicing
  - Splicers
  - Mechanical splicing
  - The different types of splice
  - Splicing - new developments
  - Fusion vs mechanical
  - Splicing vs connectors

### How to register

**By post:** Please complete the enclosed registration form and return it to Fujikura Training, C51 Barwell Business Park, Leatherhead Road, Chessington, Surrey KT9 2NY.

**By telephone:** 020 8240 2000

**By fax:** Please return your completed application form to Wendy Stevens - 020 8240 2010

**By e-mail:** [Tschool@fujikura.co.uk](mailto:Tschool@fujikura.co.uk)



