

Description	This unit is concerned with the installation, splicing, termination and testing of fibre optic cables, typically a multi-element, singlemode fibre cable of at least 24 fibres, used in an external environment
Venue	Centres: Melksham - Dunfermline - Peterborough - Lancaster - Surrey
Duration	Depending on units selected—Either 5 or 9 days

COURSE CONTENT

Working Safely with Optical Fibres in an External Environment

- ◆ Safe working procedures and regulations in regard to;
 - Installation
 - Splicing
 - Testing
 - Industry legislation/guidance

Recommended Installation Procedures

- ◆ Fibre optics in communication networks
- ◆ Fibre specifications and parameters
- ◆ Test and inspection methods
- ◆ Components and equipment
- ◆ Best practices and fibre management
- ◆ Testing methods
- ◆ Cable laying procedures

Preparing Fibre Optic Cable for Fibre Splicing

- ◆ Identifying Cables
- ◆ Constructional features of singlemode fibre
- ◆ Cable cutting and stripping tools
- ◆ Fibre cleaning materials and techniques
- ◆ Preparing cable for splicing

Joining Fibre Optic Cables by Splicing

- ◆ Cable jointing environment
- ◆ Working principles of splicing
- ◆ Preparing bare fibre
- ◆ Splicing fibres
- ◆ Sealing and cable retention for joint enclosure

Terminating Fibre Optic by Splicing on pre-terminated pigtails

- ◆ Suitable connectors for telecoms environment
- ◆ Cable termination
- ◆ Cleaving ,tools and techniques
- ◆ Splice management and protection systems

Testing Fibre Optic Links

- ◆ Test methods
- ◆ Testing equipment i.e ILM, OTDR.
- ◆ Understanding results
- ◆ Documenting and comparing results

Exam and Assessment Method

City & Guilds Multiple Choice Assessment

- ◆ Online 1 hour City & Guilds—Multiple choice
- ◆ Assessed practical exercises