

Purpose Statement

Open Awards Level 3 Award in Optical Network Design and Planning (RQF)

The primary purpose of this Award qualification prepare you to enter or progress within the growing Communications Networks sector. You could progress onto the nested certificate, which enables smaller periods of learning, ie for the Awards, which could build into a Certificate.

Who is it for?

The qualification is for you if you are:

- Wishing to work in fibre network design and planning
- Wishing to work in installation supervision and management for the telecoms and Datacoms industries
- Already working in the field and wishing to formalise their previous training and experience

What does this qualification cover?

By the end of the qualification you will be able to:

- Understand light propagation through optical fibres
- Understand the principles and use of fibre types and optical components
- Understand the principles, advantages and limitations of the different types of fibre duct, subduct, fibre tubes, bundles and cables
- Know how to plan a route and select the appropriate equipment
- Understand the design requirements for Access Networks
- Understand the requirement for route documentation and commission testing
- Understand design implications on network maintenance and emergency repair issues

What are the Entry Requirements?

This qualification is suitable for those aged 18+

You will require some basic experience in fibre optics which may include “Fibre Optics Introduction”, “Fibre Installation and Testing” and other relevant learning.

You will also require English and Maths at Level 2 or equivalent, and whilst it may be possible to adapt the teaching and learning to suit those for whom English is not their first language, it may be more difficult to adapt the content for those with specific numeracy/literacy difficulties such as dyscalculia and dyslexia.

What are the Assessment Methods?

You will be required to complete a portfolio of evidence. This will be made up of a variety of coursework and assessments set by your training provider.

Examples of assessment types include:

- Written evidence of knowledge

What are the Progression Opportunities?

This qualification provides a route into employment opportunities and further learning and training in:

- Highways Fibre Optic Installations/Maintenance
- Umbilical Cables Installations/Maintenance
- Telecommunications Engineers/Installation/Maintenance
- Fibre Optic Installations
- Network Planning and Design

Who supports this qualification?

This qualification was developed in partnership with Lucid Optical Services Ltd and is supported by the Fibre Optics Industry Association.