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## Course Information

Keeping your edge can be difficult when technology is always changing. MEGANet® installers can keep up-to-date with the fast paced networking industry by attending our certified MEGANet® course in system design and installation.

### Module 1 - Copper Cabling Technology

- What is a data transmission on copper wiring?
- Characteristics of copper wiring
- Problems we test for on copper wiring
- International testing standards: ISO, TIA, EN

### Module 2 - Optical Fibre Cabling Technology

- What is a data transmission on optical fibre?
- Characteristics of optical fibre
- Problems we test for on optical fibre
- International testing standards: ISO, TIA, EN

### Module 3 - Planning Your Premises Cabling

- Future of networking and cabling systems
- Changes in international standards
- Category 6 and 10Gb/s Ethernet
- Planning for the future

### Module 4 - International Design Standards

- Who writes standards?
- ISO/IEC 11801 and TIA/EIA 568A terminology
- Work areas, distributors, and data centres
- Pathways and spaces (TIA/EIA 569A)
- Earthing and bonding (TIA/EIA 607, EN50174)
- Labelling and documentation (TIA/EIA 606)

### Module 5 - Installation Tips

- Most common mistakes
- Pulling cable
- Terminating connectors
- Design checklist (pathways, earthing, and labelling)

## Application Form

### 1. APPLICANT

Company Name

Contact Person

Street Address

Code

Postal Address

Code

Tel  Cell  Fax

Email

### 2. TRAINING REQUIRED

Number Of Students

Student Names

(Max 12 Students)

Required Dates

Required Location

### 3. TEST EQUIPMENT OWNED

#### COPPER TESTER (Please list Brand and Model)

- Certifier
- Date last calibrated

#### OPTICAL FIBRE TESTER (Please List Brand and Model)

- Light Source and Power Meter
- Date last calibrated
- OTDR
- Date last calibrated

### 4. INTERNAL USE ONLY

Client Account Number

Sales Representative's Name

Payment Received Date  Accounts Confirmation