



M I L C O M

ICT 30208

**CERTIFICATE III IN TELECOMMUNICATIONS
PROGRAMME**

The information contained in this document is to assist you gain an understanding of what a possible training programme is available. The training programme you finally enrol in will depend on the choice of competencies and specific enterprise requirements identified between the trainee, the employer and Milcom's Field Training Officer

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1 Introduction

Certificate III in Telecommunications traineeships is an ideal way to develop new staff to work in the Telecommunications industry. It takes new entrants from the basic of cabling through to advance cabling systems. It is an ideal entry point for staff going on to higher qualifications.

The basis of a traineeship is for the trainee to be learning on the job with some Institution based block training over a period of 12 to 24 months subject to competency assessments. The trainee must be engaged in activities in the workplace that will provide them with the necessary practical skills to support the competency outcomes of the traineeship.

This programme can be tailored to meet the needs of the enterprise; this is achieved by selecting the appropriate competencies. Milcom is happy to discuss the details of the programme to ensure the outcomes your enterprise needs are met.

Pre requisite for the Certificate III in Telecommunications is an Open Registration

1.1 Competency outcomes

The competency outcomes of the Certificate III in Telecommunications are:

Group 3 Competency Units - Select 6	
ICTTC009D	Terminate & splice structured cabling & certify installation
ICTTC010D	Place, secure and terminate optical fibre cable
ICTTC011D	Place, secure and terminate co-axial cable
ICTTC013D	Perform an accurate cable system test
ICTTC014D	Handover systems and equipment
ICTTC015D	Locate and identify cable system faults
ICTTC018D	Install underground enclosures and pipe/conduit
ICTTC019D	Install underground cable
ICTTC020D	Construct aerial cable supports
ICTTC021D	Install aerial cable
ICTTC032D	Undertake a civil site survey
ICTTC049D	Install customer premises systems and equipment
ICTTC052D	Cutover new customer premises systems and equipment
ICTTC053D	Train customers
ICTTC054D	Provide infrastructure for telecommunications network equipment
ICTTC055D	Install an antenna/wave guide
ICTTC056D	Install telecommunications network equipment
ICTTC062D	Build a telecommunications mast/tower
ICTTC065D	Splice optic fibre cable
ICTTC066D	Joint and terminate co-axial cable
ICTTC067D	Rearrange and cutover cable

Group 3 Competency Units - Select 6	
ICTTC068D	Install telecommunications service to a building
ICTTC069D	Install network cable equipment
ICTTC074D	Recover customer premises equipment
ICTTC075D	Refurbish customer premises equipment
ICTTC077D	Commission an electronic unit
ICTTC089D	Repair and replace telecommunications network hardware
ICTTC093D	Manage spare parts
ICTTC103D	Maintain cable network
ICTTC104D	Maintain an electronic system
ICTTC105C	Locate and rectify mobile telecommunications faults, on a first in basis
ICTTC126D	Complete all administrative work associated with CPE activity
ICTTC127D	Supervise worksite activities
ICTTC153B	Work safely near power infrastructure
ICTTC156A	Install digital reception equipment
ICTTC157A	Locate and rectify digital reception equipment faults

2 Study programme

The study programme will need to be developed once the student has elected the competencies required. The total number of days for off the job training will be determined on competencies selected and typically will be between 16 to 24 subject to the competencies selected. The Student will also need to complete:

- Log book

Examples of possible packages are

2.1 Package 1 Customer cabling

For those working in the Customer cabling area they will need to complete the following Milcom courses and by doing so complete enough competencies for the Certificate III

- Structured Cabling Course (2 Days)
- Coaxial Cabling Course (4 hours)
- Optical Fibre Internal Course (2 Days)
- Optical Fibre External Course (3 Days)

2.2 Package 2 Fibre package (NBN Read)

For those who want to work in providing FTTP and cabling for the modern homes. To achieve this as Certificate III the person will need to complete the following Milcom courses.

- Structured Cabling Course (2 Days)
- Coaxial Cabling Course (4 hours)

- Optical Fibre Internal Course (2 Days)
- FTTP Course (3 Days)

2.3 Package 4 Technical Security Dual Trade

For those who work in the security industry and the Telecommunications industry. Many companies these days offer a complete service of Telecommunications cabling including Data cabling plus provide Technical security services to their customers. By doing the following courses a person can gain a Certificate III in Telecommunications plus a Certificate III in Technical Security

Structured Cabling Course (2 Days)

Coaxial Cabling Course (4 hours)

Basic alarm course (2 days)

Intermediate alarm course (2 days)

CCTV course (2 days)

Selling security products and services (Distance learning)

2.4 Package 5 Network Fibre or Copper

For those who work in the Fibre Network by doing these course a person can gain the Certificate III in Telecommunications plus the Telstra accreditations need to allow a person to work on a carriers network

Internal Fibre (2 days)

External Fibre (2 days)

OTDR

Pit and Pipe

Cable Hauling

OR if working in copper network then the following courses will gain a person a Certificate III in Telecommunications

I&M basic course (10 days)

I&M advance course (6 days)

Pit and Pipe

Cable hauling

So you can see by doing different courses or combinations a person can gain a Certificate III in Telecommunications and make it specific to your business needs.

(Please Note our package 3 is our Technical Security Certificate III course which is a different training package to Telecommunications.

If you are interested please contact Milcom for details)

