**Electrotechnology courses that light the way**

**Diploma of Computer Systems Engineering**

This qualification covers how to develop, select, install, commission and maintain computer equipment, networks and systems. When you’re serious about your electrotechnology career, this qualification is essential. Focusing on depth, breadth and complexity of skills, this course covers computer network development, selection, commission, maintenance and diagnosis of faults and malfunctions.

Employment options: engineering associate, technical officer or systems technician.

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**Certificate IV - Systems Electrician**

This qualification provides competencies to select, install, commission, fault find and maintain electrical systems and equipment with options, typically in Explosion protection, Electrical machines, Electrical inspection; Safety auditing; Contracting; Lifts; Energy supply/distribution.

Employment options: special class electrician

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**Certificate IV in Electrical - Instrumentation**

This qualification will show you how to select, install, commission, fault find and maintain electrical and instrumentation equipment in buildings and premises and instrumentation systems and core instrumentation equipment for process and control.

Employment options: electrician – Instrumentation and control technician

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**Certificate IV in Industrial Electronics and Control**

Provides students with the skills to develop, select, commission, diagnose faults/malfunctions of equipment and systems for the monitoring and control of plant, machines and processes.

Employment options: special class electrician

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**Certificate IV in Electronics and Communications**

Provides students with the skills to work with audio-video and data systems, computer and network hardware, security systems, wireless and communications systems and electronic aspects of medical equipment.

Employment options: technical officer, electronics and communication

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**Certificate III in Electrical Machine Repair**

Provides the skills required to enable you to overhaul and repair motor, transformer and control gear including rewinding. This qualification meets the requirements for a Restricted Electrical Licence but does not qualify you as an electrician.

Employment options: apprentice and then electrical fitter, machine repair tradesperson

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**Certificate III in Electrotechnology Electrician**

This is the base qualification you need to be a licensed electrician. It is usually undertaken as an apprenticeship.

Graduates can work as an electrician in domestic, commercial or industrial premises installing and maintaining electrical wiring and repairing electrical equipment.

Employment options: apprentice and then licensed electrician

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**Certificate III in Switchgear and Controlgear**

This qualification provides competencies to construct, assemble and wire switchboards and control panels. It is usually undertaken as an apprenticeship.

Employment options: switchgear and controlgear tradesperson.

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**Certificate III in Electronics and Communications**

Provides the skills to select, install, set up, test, fault find, repair and maintain electronic equipment and devices, including audiovisual equipment, personal computers and networks, communication systems, business machines and security networks at component/sub-assembly level. This course is usually undertaken as an apprenticeship.

Employment options: electronics and communications technician, electronics tradesperson

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**Certificate III in Electrotechnology (Career Start)**

This is the entry point for the electrotechnology industry which can provide basic skills and pathways to higher qualifications.

There are no entry requirements. Participants in the course have the opportunity to experience a range of work activities, equipment, methods and materials used in the electrotechnology sector.

Employment options: pathway to apprenticeship

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**Certificate III in Data and Voice Communications**

This qualification provides competencies to select, install, set up, test, fault find, repair and maintain telecommunications and high performance data services in buildings and premises. It includes ACMA requirements for Open Cabler Registration.

Employment options: telecommunications installation and maintenance tradesperson

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**Certificate II in Data and Voice Communications**

This qualification provides competencies to select, assemble, set up and maintain simple equipment and systems to a prescribed routine. It includes ACMA requirements for Open Cabler registration.

Employment options: telecommunications installer cabler

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**Certificate II in Computer Assembly and Repair**

This qualification provides training in selecting components and assembly of computers to customer specifications and carrying out routine hardware repairs of known faulty components following prescribed routines.

Employment options: computer assembler

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**Certificate II in Air-Conditioning Split Systems nsi+**

This qualification provides training in the installation, commissioning and de-commissioning of single head, split air conditioning and heat pumps systems to a prescribed routine where the maximum plant capacity for each system does not exceed 18 kWr.

Employment options: this course is for people wanting to install split air-conditioning systems.

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**Certificate II in Security Assembly and Setup**

This course is for people who want to pursue a career as a security installer. The qualification provides competencies to select, assemble and set up wired and wireless based level security systems following prescribed routines. This course is also offered as a traineeship.

Employment options: security installer

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Questions? 131 674

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