



Australian Government  
Aid Program

## SCHOOLS OF AUTOMOTIVE, CONSTRUCTION & ELECTRICAL AND MANUFACTURING (ACEM)

### ELECTRICAL

The Australia-Pacific Technical College (APTC) is a centre of training excellence for Pacific Island students. The College delivers internationally recognised, Australian-standard, vocational education and training in four central locations - Vanuatu, Samoa, Fiji, and Papua New Guinea.

Graduates will achieve qualifications for skilled jobs needed throughout the Pacific.

Certificate III level training is available in:

- automotive trades
- construction & electrical trades and
- manufacturing

#### Eligibility:

Training programs in Electrical are focused on Existing Workers currently employed in industry. Training programs in electrical offered through the APTC are designed to recognise skills already held and enhance the skills of Pacific Islanders to international standards.

#### Training provided:

Graduates from the Australia-Pacific Technical College (ACEM), will receive an internationally recognised Australian Qualifications Framework Certificate level III course award.

#### Individual benefits - professional development:

- Be 'job-ready' with up to date and relevant skills leading to greater productivity and efficiency needed in today's workplace.
- Obtain formal recognition of your specific trade skills.
- Receive an internationally recognised Australian qualification from the APTC issued by an Australian Registered Training Organisation.
- Advance your employment opportunities and career in the Automotive Servicing, Electrical, Construction and Mechanical Engineering industries at the local, regional and international levels.



#### Certificate III in Electro-Technology (Systems Electrician) UEE30708

The Certificate III in Electro-technology (Systems Electrician) develops the skills needed to work as a qualified electrician.

#### Brief description of course and work roles:

A Systems Electrician installs and maintains electrical components, wiring, equipment and systems, and may work in specialized areas of the electrical industry.

#### Areas of specialization include the following:

**Installation and Servicing** – Electricians specialising in this area install wiring in a variety of residential, commercial and industrial premises. Duties include the maintenance of equipment and other devices.

#### Course commencement dates:

**Training programs are flexible and will start at various times throughout the year. Please contact your local APTC office for actual start dates.**

Training is offered in the following locations:

PNG

SAMOA



## Course content includes skills from the following grouped categories:

- Coordinate materials
- Participate in the training of others
- Install/Terminate Wiring Systems (Cabling/Wiring Support/Protection)
- Install and Terminate Wiring Systems (Power and Control --Low Voltage)
- Install electrical / Electronic Apparatus (Electrical)
- Maintain and repair Apparatus and Circuits (Electrical)
- Undertake commissioning of Apparatus and Circuits (Electrical)
- Test Apparatus and Circuits (Electrical)
- Diagnose and Rectify Faults in Apparatus and Circuits (Electrical)

To support the skill-sets listed, training will be provided in the following modules:

- Occupational Health & Safety
- Electrical Safe Working Practice
- Drawing & Diagrams for Electrical Work
- Applied Electricity 1 & 2
- Electrical Wiring and Equipment 1
- Workshop Practice
- Applied Electromagnetism
- Electrical Wiring Systems
- Applied Electricity 4
- Electrical Installation Protection Methods and Devices
- Applied Electricity 5
- Electrical Wiring and Equipment 2
- Lighting, Electrical Heating
- Circuit Development & Circuit Development 2
- Cells & Batteries
- Programmable Controllers
- Electrical Installation Design & Equipment Selection
- Single and 3 Phase Transformers
- Electronic Power & Control
- Electrical Systems Safety
- Power Supply Principles
- Alternating Current Machines
- Electrical Installation Testing and Verification

## Entry requirements:

This program is specifically designed for those who have current industry experience or have graduated from a local training program. Selection will be based on industry experience, relevant previous education and an interview with APTC staff. Applicants will need to complete a Literacy and Numeracy Assessment as part of the selection procedure as well as a Skills Assessment Program, which will help APTC staff determine your level within the Australian qualification system.

## Duration

Course duration will depend on the course requirements and current skills the applicant possesses, however as a guide all courses are part time and may take up to two years to complete. There are flexible entry and exit times for all programs. Some students will be exempt from certain course elements if they have relevant work experience or qualifications.

## For more information

Visit: [www.aptc.edu.au](http://www.aptc.edu.au)

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