



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

PLUMBING

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 Islands, 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:

APTC training programs in Plumbing are focused on existing workers currently employed in industry. These programs are designed to recognise skills already held and enhance the skills of Pacific Islanders to international standards. Pacific Island nationals may elect to undertake training at:

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 Plumbing CPC32408

The Certificate III in Plumbing (General Plumber) develops the skills needed to work as a qualified plumber, drainer, gasfitter and roof plumber.

Brief description of course and work roles

A general plumber's work includes the installation, commissioning and maintenance of pipes and drains, fixtures, appliances and metal roofing. Plumbers install equipment such as water tanks, pumps, water heating systems and gas appliances.

They also install, maintain and repair sanitary plumbing and stormwater and sanitary drainage systems including septic tanks, holding wells, sullage pits and absorption trenches.

The course can be customised to address specific skill requirements of most building and construction industries or allied enterprises, including the residential, commercial and maintenance sectors of the industry.

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 programs are offered in the following locations:

SAMOA

Course content includes skills from the following grouped categories:

Foundation Skills

- Work effectively in the plumbing and services sector
- Carry out interactive workplace communication
- Carry out OH&S requirements
- Read plans and calculate plumbing quantities
- Handle and store plumbing materials
- Use plumbing hand and power tools
- Cut and join sheet metal
- Mark out materials
- Apply first aid in the workplace

Drainage

- Install trench support
- Carry out concreting to simple forms
- Carry out levelling
- Locate and clear blockages
- Install domestic treatment plants
- Maintain effluent disinfection systems
- Install stormwater and sub-soil drainage systems
- Drain worksite
- Install pre-fabricated inspection openings and enclosures
- Plan the layout for a residential sanitary drainage system
- Install below ground sanitary drainage systems
- Install on-site disposal systems

Fire Services Cluster

- Fabricate and install fire hydrant and hose reel
- Install domestic and residential life safety sprinkler

Welding

- Cut with oxy-LPG/acetylene
- Weld using oxy-acetylene equipment
- Weld using arc welding equipment
- Weld polyethylene (PE) pipe using fusion method

Roofing

- Work safely on roofs
- Collect and store roof water
- Flash penetrations through roofs and walls
- Erect and dismantle restricted height scaffolding

Gasfitting

- Fabricate and install non-ferrous pressure piping
- Install gas piping systems
- Size consumer piping systems
- Install and commission Type A gas appliances
- Install LP gas storage of aggregate storage capacity up to 500 litres
- Install LP gas storage of aggregate capacity exceeding 500 litres and less than 8KL
- Install LP gas systems in caravans/mobile homes, water craft and mobile workplaces
- Install gas detection devices
- Install gas pressure control equipment
- Install a Type A appliance flue

- Purge consumer piping
- Maintain Type A gas appliances
- Disconnect and reconnect Type A appliances
- Calculate and install natural ventilation for Type A gas appliances

Sanitary Plumbing

- Plan the layout for a residential sanitary plumbing system
- Install discharge pipes
- Fabricate and install sanitary stacks
- Install and fit off sanitary fixtures
- Install pre-treatment facilities
- Install sewerage pump sets

Cold and Hot Water

- Set out and install water services
- Install and adjust water service controls and devices
- Install and commission water heating systems
- Install water pump sets
- Fit off and commission hot and cold water services
- Connect irrigation systems from drinking water
- Install water service

Entry requirements:

This course 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

APTC ACEM Office Finance Manager (Samoa)

T +685 26844 F +685 26871

Email: samoainfo@aptc.edu.au

Mail: Australia-Pacific Technical College,
PO Box 2474, Apia, Samoa.