Hello there, our dream is to help you make great happen

Trade skills to be competitive and successful

This exciting dual qualification for the Electrotechnology trade will see you graduate with the necessary skills to select, install, set up, test, fault find, repair and maintain electrical systems, as well as acquire a comprehensive understanding for devices for measurement and recording of physical/chemical phenomenon, and, related process control in buildings and premises. A well-rounded course to expand your skills, and therefore job opportunities!

LOCATION/S

DURATION

Course delivery options

Key dates

For key start dates for each location visit the online brochure for this course (under the course details tab).

TAFESOUTHWEST.EDU.AU/COURSE/14796

Entry requirements

Students must be employed as an apprentice or trainee and have a signed Registered Training Contract, stating TAFE Queensland

For further information about probationary periods for this trade qualification, visit...

...more online

Resources required

- steel capped boots
- cotton drill long pants and shirt
- safety glasses
- personal stationery

...more online

What are my payment options?

For more information about the costs associated with undertaking an apprenticeship or traineeship, please give us a call.

Are you ready to take the next step on your path to great?

Enrol today to secure your spot in this course.

How to enrol

Make your future happen

Connect with TAFE on Facebook

Outcome

UEE30811 Certificate III in Electrotechnology Electrician and UEE31211 Certificate III in Instrumentation and Control

Job prospects

- Electricians

Units

The successful achievement of this dual qualification requires you to complete 36 core units and a combination of elective competency standard units to achieve a total weighting of 140 points from the list below. Electives may differ between TAFE Queensland locations and regions.

- UEEENEG105A: Verify compliance and functionality of low voltage general electrical installations
- UEEENEG103A: Install low voltage wiring and accessories
- UEEENEE101A: Apply Occupational Health and Safety regulations, codes and practices in the workplace
- UEEENEE119A: Solve problems in multiple path extra low voltage (ELV) a.c. circuits
- UEEENEEC008B: Participate in electrical work and competency development activities

Accurate as at 18 October 2016. For the latest information see:

TAFESOUTHWEST.EDU.AU/COURSE/14796

RTO 0275
CRICOS 03020E
Install appliances, switchgear and associated accessories for low voltage electrical installations

Disconnect/reconnect control devices connected to low voltage installation wiring

Find and rectify faults in process final control elements

Install instrumentation and control apparatus and associated equipment

Install instrumentation and control cabling and tubing

Set up and adjust PID control loops

Solve problems in density/level measurement components and systems

Solve problems in flow measurement components and systems

Set up and adjust advanced PID process control loops

Verify compliance and functionality of instrumentation and control installations

Setup and configure Human-Machine Interface (HMI) and industrial networks

Apply environmentally and sustainable procedures in the energy sector

Solve problems in pressure measurement components and systems

Use instrumentation drawings, specification, standards and equipment manuals

Use drawings, diagrams, schedules, standards, codes and specifications

Document and apply measures to control OHS risks associated with electrotechnology work

Solve problems in temperature measurement components and systems

Solve problems in single and three phase low voltage machines

Fix and secure electrotechnology equipment

Solve problems in d.c. circuits

Fabricate, assemble and dismantle utilities industry components

Solve problems in single and three phase low voltage electrical apparatus and circuits

Arrange circuits, control and protection for general electrical installations

Trouble-shoot and repair faults in low voltage electrical apparatus and circuits

Develop and connect electrical control circuits

Select wiring systems and cables for low voltage general electrical installations

Terminate cables, cords and accessories for low voltage circuits

Solve problems in electromagnetic devices and related circuits

Solve problems in low voltage a.c. circuits

Develop, enter and verify discrete control programs for programmable controllers

Participate in instrumentation and control work and competency development activities

Use computer applications relevant to a workplace

Set up scientific analysis measuring and control instruments

Set up weighting measuring and control instruments

Trouble shoot process control systems

Maintain documentation

Set up water analysis measuring and control instruments

Set up gas analysis measuring and control instruments

Disclaimer

The elective units available may vary between locations, delivery modes and intakes.