



# MEM31215 Certificate III in Engineering - Industrial Electrician

National ID: MEM31215 | State ID: AWG6

## About this course

South Metropolitan TAFE's Australian Centre for Energy and Process Training (ACEPT) has developed this course in collaboration with the oil, gas and resources industry to meet demand for skilled workers in industrial electrotechnology. Our training and assessment strategies ensure the industry has the best talent available. We are also the only provider that runs this course in Australia.

Students will be taught the analytical, technical and practical skills required to become a competent electrical technician ready for the complex processes and systems encountered in industrial environments. They will learn how to select, set-up, install, test, commission, fault-find, repair and maintain electrical systems and equipment in oil/gas installations, process plants and mine sites. On completion, graduates will be eligible to apply for an unrestricted electrical licence from Energy Safety/Department of Commerce, enabling them to work as an electrician.

## Gain these skills:

- Development, analysis and fault finding of electromagnetic circuits, DC circuits, and single and three phase AC electrical circuits
- Interpretation and development of electrical process control drawings, diagrams and schedules
- Operation, control, protection and fault finding of DC motors, synchronous AC motors and asynchronous AC motors (single and three phase AC)
- Operation, testing and fault finding single and three phase transformers

- Installing and testing/verifying non-domestic and domestic electrical installations to comply with regulatory requirements
- Selection of cables and circuit protection devices for non-domestic and domestic electrical installations
- Design, operation and connection of control circuits used in industrial installations
- Commissioning and decommissioning of low voltage and high voltage equipment and installations
- Operation, programming and maintenance of programmable controllers
- Operation, control and maintenance of electrical generation equipment

**LOWER FEES  
LOCAL SKILLS**

This qualification is directly aligned with priority industry areas where the jobs are today, and into the future. As part of the state government **Lower fees, local skills** initiative, from 1 July 2020 through to 31 December 2021 you'll only pay half the course fees, capped at \$1,200; or \$400 if you're aged 15–24 or eligible for a concession. [Find out](#)

[more.](#)

## Overview

*This course will be offered with a blended, flexible delivery model to enable social distancing measures to be undertaken during the COVID-19 pandemic. This approach may include a mix of online and classroom based delivery, as well as practical and work experience placements. Lecturers will provide specific instructions to their student groups on how training will be undertaken.*

## Entrance requirements

School Leaver	Non-School Leaver	AQF
OLNA or NAPLAN 9 Band 8	C Grades in Year 10 English and Maths or equivalent	Certificate I or Certificate II

This course is available as an apprenticeship.

### Entrance requirements for apprenticeships

You must be employed in a training contract by an appropriate organisation to study an apprenticeship or traineeship.

An apprenticeship involves full time work with an employer who provides an opportunity to learn all aspects of a trade. This is a structured program for a fixed period of time and while you learn on the job, you also attend off the job training at SM TAFE.

Some of the benefits of an Apprenticeship are that you can:

- Earn a wage while you train
- Learn on the job skills combined with off the job training
- Receive a nationally recognised qualification on successful completion
- Start a valuable step towards a rewarding career path

## Fees and charges

### Indicative fees and charges

[2020 general admission fees list](#)

[2020 apprenticeship/traineeship fees list](#)

Fees and charges published on our website are indicative. Your fees will depend on your eligibility for government funding or a concession rate, and the units you choose to study or seek to be recognised under Recognition of Prior Learning (RPL). Our Indicative fees lists show fees that are:

- Based on the full possible study plan of units, including the recommended electives
- Based on full time study in 2020
- Charged at the government funded rate for over 18 years of age students
- Based on unit electives designed to meet localised industry demand for skills
- Made up of course fees and resource fees, or RPL fees. Course fees are the cost of your tuition, while resource fees pay for consumables provided to you to aid your study (such as printing and paper). You may also be required to purchase text books or equipment that are not part of our tuition or resource fees.

Fees may vary between students and between educational providers. Other charges may apply.

Visit our [Fees and payment options](#) page for more information.

Call 1800 001 001 to get a more accurate fee indication based on your eligibility and study plan before applying.

### VET Student Loans

Selected courses are VET Student Loan eligible courses.

A VET Student Loan creates a debt that must be repaid to the Commonwealth and is only available to students who are eligible.

To find out if you are eligible or to see the list of eligible courses visit our [Student Loans](#) page.

## International students

Selected courses are available to International students for full time study only.

Fees, charges, available locations, applications and enrolment procedures for International students are different to those for students who have Australian permanent residency.

For more information or to find a course visit the [TAFE International WA](#) website.

## Apprenticeships and traineeships

Fees for apprenticeships and traineeships are charged at a rate per nominal hour of study.

This means that your fees will vary depending on the units you study as part of your training plan.

Apprentices and trainees are liable to pay for their own fees but some industrial agreements (awards) dictate that employers are required to reimburse their apprentice upon receipt of satisfactory progress. An employer may also opt to pay on behalf of the apprentice or trainee.

For more information visit our [Apprenticeships and traineeships](#) page.

## Recognition of Prior Learning

Recognition of Prior Learning (RPL) enrolments are charged at \$3.25 per nominal hour of study.

No concession fees apply to RPL enrolments. Refer to the institutional or apprenticeship/traineeship fee lists for an indicative RPL course fee.

**Please note, fees are subject to change.**