



# MEM40105 Certificate IV in Engineering (Instrumentation)

National ID: MEM40105 | State ID: WT46

## About this course

Our Certificate IV in Engineering (Instrumentation) provides eligible persons with the training, skills and knowledge to install, commission, calibrate and maintain modern instrumentation and control systems. This includes loop tuning of multi controller or multi element systems and PLC training where required. This course will be of interest to any qualified tradesperson such as unrestricted electricians, electrical fitters, engineers in the resource industry, refrigeration technicians, or apprentices in their third or fourth year of study.

What does the course cover?

• Engineering Maths • P & I Diagram • Feedback Systems • Pressure • Level • Flow • Temperature • Analysis • Intrinsic Safety • PID • Fluid Power • Pneumatic Instruments • Variable Speed Drives • Advanced Control • Valves • Valve Sizing

## Overview

## Entrance requirements

School Leaver

Non-School Leaver

AQF

C Grades in Year 11 WACE General English, and OLNA; or NAPLAN 9 Band 8

C Grades in Year 11 English and Maths or equivalent

Certificate II or Certificate III

## Job opportunities

- This qualification will allow you to undertake post trade studies in a range of specialisations to enhance your trade. The opportunity for specialising technically or moving into a more technical supervisor position is available with further flexibility at the Diploma level.

For information about jobs and pathways, please see <http://joboutlook.gov.au/>

Further study opportunities:

Diploma of Engineering -Advanced Trade (MEM50105)

## Fees and charges

### Indicative fees and charges

[2019 general admission fees list](#)

[2019 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 2019
- 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.**