MEM60112 Advanced Diploma of Engineering

National ID: MEM60112 | State ID: J368

About this course

Are you ready for a technically advanced engineering career?

Redefine your engineering future with the Advanced Diploma of Engineering. Develop specialised technical skills to step towards a future as an engineering technician, detailed drafter, or maintenance technician. Learn in an advanced training facility with industry-standard equipment and technology, to ensure that you graduate job-ready.

Gain these skills:

- carry out mechanical engineering drafting and design
- analytical work involving manufacturing and fabrication techniques
- understand the application of engineering principles, systems, and processes
- draw and design mechanical equipment
- maintain mechanical systems
- workplace health and safety

Graduates are typically employed in areas such as computer aided design and drafting, process plant drafting and design, machine drafting and design, air conditioning drafting and design, shipbuilding drafting and design, plant maintenance supervision (building on a trade background), and other general engineering and technical positions.

Completion of the Advanced Diploma of Engineering opens up a range of further study options, and may produce
advanced standing towards a university degree.

**Specialist applied engineering facility at Munster campus**

Students study this course at our state-of-the-art Applied Engineering building at Munster campus, featuring mechatronics labs and technical engineering workshop rooms. In our courses, you'll have access to modern equipment such as 3D printers, laser cutters, civil engineering compression labs to name just a few.

**New: Night time course option in term 4, October. Monday and Tuesday nights.**

**Overview**

*This course may 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 any specific instructions if your training delivery style needs to change.*

**Entrance requirements**

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<tr>
<th>School Leaver</th>
<th>Non-School Leaver</th>
<th>AQF</th>
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<tr>
<td>Completion of WACE General or ATAR (Minimum C Grades) or equivalent</td>
<td>Completion of WACE General or ATAR or equivalent (minimum C Grades)</td>
<td>Certificate III</td>
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This course is available as a traineeship.

**Entrance requirements for traineeships**

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

In a traineeship you also gain hands-on skills and work experience, and improve your employment prospects, while earning a wage. On successful completion you will gain a nationally recognised qualification which can lead to rewarding career options. The difference between a traineeship and an apprenticeship is that a traineeship can be either a full time or part time employment based training arrangement, usually for a nominal duration of 12 months or more, generally in a non-trade related area.

To find out how to arrange a traineeship and study at South Metropolitan TAFE, please contact the [Jobs and Skills Centre](#) closest to you.
Study pathway

Certificate III in Engineering - Technical

Diploma of Engineering - Technical

Advanced Diploma of Engineering

Become a specialist in your field with university study

This course has a university study pathway as at 30 October 2019.

Murdoch University – Bachelor of Engineering (Honours) in Electrical Power Engineering (H1264) – 24 Credits
Murdoch University – Bachelor of Engineering (Honours) in Instrumentation and Control Engineering (H1264) – 24 Credits
Murdoch University – Bachelor of Engineering (Honours) in Industrial Computer Systems Engineering (H1264) – 24 Credits
Murdoch University – Bachelor of Engineering (Honours) in Renewable Energy Engineering (H1264) – 24 Credits
Curtin University – Bachelor of Engineering (Honours) – 150-200 Credits
Curtin University – Bachelor of Science (Multidisciplinary Science) – 150-200 Credits
Edith Cowan University – Bachelor of Engineering (Mechatronics) (Y44) – Up to 120 Credits
Edith Cowan University – Bachelor of Engineering (Mechanical) (Y45) – Up to 120 Credits

The information about university credit points and tuition costs provides a general guide only. To check the current credit arrangements and to find more information about how credits work at the listed university of your choice, visit TAFE International WA’s University Pathway Finder.

Job opportunities

Engineering Associate
Please note this list should be used as a guide only as job titles and qualification requirements may vary between organisations.

SM TAFE actively promotes the employment availability of course graduates to key industry partners and organisations. We also seek expressions of interest from organisations for the placement of our students into work experience. We endeavour to assist students into a career pathway, but please be aware that neither employment nor work experience placement is guaranteed by us.

To access free career planning and job search assistance, visit the [Jobs and Skills Centres](#) page.

### 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.