MEM50212 Diploma of Engineering - Technical (Mechanical)

National ID: MEM50212 | State ID: WB84

About this course

Gear up for a career in engineering

This course will provide you with the practical skills and knowledge in electrical machinery, mechanical principles and mechanical equipment to produce drawings for design specifications.

Mechanical engineering is applied across a wide variety of employment areas including:

- Mining and mineral processing
- Manufacturing
- Oil and gas industry
- Automotive industry
- Aviation and shipbuilding industries
- Electrical power generation and distribution
- Road and rail transport
- Defence
- Agriculture, fishing and food processing

The Diploma of Engineering - Technical (Mechanical) is geared toward mechanical design but does have some electrical, electronics and programming content.

Gain these skills

- Use and operate computer-aided (CAD) system to produce drawings and create 3D models
- Set up basic hydraulic circuits
- Apply technical mathematics
- Produce basic engineering design drawings
- Coordinate engineering projects
- Environmentally sustainable work practices
Is this course right for me?

I have the following attributes:

- Mathematics ability
- Eye for detail and accuracy
- Technical and mechanical aptitude
- Problem-solving skills
- Communication skills

This course is part of the **Lower fees, local skills** initiative where you'll only pay half the course fees until December 2021 capped at $1,200; or $400 if you're aged 15—24 or eligible for a concession. [Find out more](#)

Only course fees are half price. You may be required to pay other fees that apply to your course.

This course is part of the **Lower fees, local skills** initiative where you'll only pay half the course fees from January until December 2021.

Details

During your course of study, NMTAFE may use a variety of learning practices to ensure you get the best outcome for your learning journey.

This may include online learning, face-to-face classroom, laboratory/workshop delivery, work placement or a combination of these, depending on which is most appropriate.

Entrance requirements

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<tr>
<th>School Leaver</th>
<th>Non-School Leaver</th>
<th>AQF</th>
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<tbody>
<tr>
<td>Completion of WACE General or ATAR (Minimum C Grades) or equivalent</td>
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<td>Certificate III</td>
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Job opportunities

- Mechanical Engineering Draftperson
- Mechanical Engineering Technician

Other job titles may include:

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

**Important information**

This course will be run at our East Perth campus with some lab work based at NMT's Perth campus (30 Aberdeen St building).

### Fees and charges

**Local full time students**

Course fees are made up of two components, tuition fees and resource fees.

**Tuition fees** are determined by multiplying the course fee rate by the nominal hours, which is the number of hours in which an average student could be expected to complete each unit. They are not the hours of training or instruction.

**Resource fees** are charges for material that are essential to a course or unit, and are purchased by NMT to be used by students during the course.

Fees may vary depending on the units you are enrolled in so an approximate amount has been shown. You will be given the exact amount of your fees at enrolment. Part time student fees will vary depending on the number of units you are enrolled in.

Please note, you may also need to buy textbooks or equipment for your course.

**International Students**

Check [TAFE International WA](#) to confirm this course is available to international students. You will pay your tuition fees to TIWA.

*Please note, fees are subject to change.*