

How do students enrol?

Diploma of Engineering - Technical

Eligibility

To be eligible for enrolment into the Diploma program, students must:

- have passed Year 10 mathematics and Graphics
- be completing Year 11 and 12
- be enrolled in Mathematics B and Graphics for option 1 and Mathematics B, Graphics and Engineering Technology for option 2 at school
- have parental and school consent to participate
- be an Australian citizen or permanent resident residing in Queensland (due to funding arrangements for high school students).

*obtained from your school's VET Coordinator

How to nominate for the Diploma

Students must complete the:

- Expression of Interest and Parental Consent form
- New Student Personal Details form*

Both of these must be signed by the student and their parent/guardian. These should be submitted to the school's nominated VET Coordinator or consideration.

The school's VET Coordinator will advise students of their successful placement and forward enrolment forms to the referred RTO for enrolment into the program.

VET in Schools - Student Information

Start your career as an engineering professional

Diploma of Engineering - Technical

Expression of Interest and Parental Consent

Please ensure both the student and parent sections are completed before submitting your Expression of Interest. Please submit your Expression of Interest with a completed New Student Personal Details form* to the VET Coordinator at your school.

Student to complete

- I would like to participate in the Diploma of Engineering - Technical Program
- I understand and confirm I meet the requirements for the Diploma program
- I have completed and returned with the form a New Student Personal Details form*
- I confirm I am able to commit to all the requirements of the program

Students Name: _____ Class: _____

Student Signature: _____ Date: _____

Parent to complete

- I have read and understand the requirements of the Diploma program
- I give permission for my son/daughter to participate in the diploma program
- I have signed the New Student Personal Details form* for my son/daughter

Parents Signature: _____ Date: _____

*obtained from your school's VET Coordinator



About the program

What is the Diploma of Engineering - Technical?

This program has been developed by Manufacturing Skills Queensland and provides Year 11 and 12 students with an opportunity to gain skills and knowledge in technical engineering and manufacturing.

Students will gain valuable skills in:

- Production design including computer-aided drafting
- Applying mathematical concepts in manufacturing and engineering materials and processes

What's so great about it?

By participating in this program students will benefit from:

- Diploma-level training in conjunction with on-the-job experience while completing Year 11 and 12
- a school-based traineeship, that provides a first-hand understanding of the manufacturing and engineering, building and construction, and minerals and energy industries
- practical experience and work-ready skills
- points towards their Queensland Certificate of Education (QCE)
- credit towards further study.

Further study options

- Confirmed entry into and credit towards the Diploma of Engineering - Technical at a recognised institution
- Articulation into relevant university programs upon completion of the Diploma

Manufacturing Skills Queensland

Phone: (07) 3364 0680 | Email: msq@msq.org.au | Web: www.msq.org.au

How Does it work?

Over two years (Year 11 and 12), students will undertake:

Option 1

- Up to five competencies towards the Diploma of Engineering - Technical
- Graphics and Mathematics B subjects at school
- a school-based traineeship of 48 days per year on-the-job training (doesn't have to be one day/week - could be during school holidays)

Option 2

- Up to eight competencies towards the Diploma of Engineering - Technical
- Graphics, Mathematics B and Engineering Technology subjects at school
- a school-based traineeship of 48 days per year on-the-job training (doesn't have to be one day/week - could be during school holidays)

The school, in conjunction with the RTO, will deliver training at school and assess students throughout the two year program

No training is required at the preferred RTO

Training Plan

Prerequisites

- Sound in Year 10 Graphics
- Sound in Year 10 Mathematics

Required Year 11 and 12 subjects

- Graphics
- Mathematics
- Engineering Technology

Benefits of participating in the Diploma program

- Diploma-level training in conjunction with on-the-job experience while completing Year 11 and 12
- earn while you learn and gain a first-hand understanding of the manufacturing and engineering industry
- practical experience and work-ready skills
- points towards your Queensland Certificate of Education (QCE)
- credit towards further study

Diploma of Engineering - Technical competencies

These competencies are delivered in conjunction with the required Year 11 and 12 subjects and within the school timetable.

Code	Title
MEM09005B*	Perform basic engineering detail drafting
MEM120255A	Use graphical techniques and perform simple statistical computations
MEM3001A*	Use computer-aided drafting (CAD) systems to produce basic engineering drawings
MEM30002A*	Produce basic engineering graphics
MEM30003A*	Produce engineering drawings
MEM30004A*	Use CAD to create and display 3D models
MEM3007A	Select common engineering materials
MEM30012A	Apply mathematical techniques in manufacturing, engineering or related situations

*Competencies associated with option 1

School-based trainee

- 48 days per year on-the-job

Pathways

- Complete Diploma of Engineering - Technical
- Advanced Diploma of Engineering
- University Programs
- Full-time employment

Career opportunities

This program can lead to an entry level para-professional position in a manufacturing and engineering, building, construction, minerals or energy environment including

- Design or Mechanical Draftsperson or Engineer
- Design Engineering Purchasing Manager
- Maintenance Engineer
- Manufacturing Operations Engineer
- Mechanical/Mechatronics Engineer
- Metallurgist
- Operations/Production/Project manager
- Quality Systems manager
- Structural Engineer

Costs

Students pay no tuition fees for the Diploma program. The school may charge a materials fee. This cost is set by the school and payable by the school.

Expectations of Diploma program students

It is expected that students will:

- commit to undertake all required school subjects and Diploma competencies over two years
- sign on to a school-based traineeship under the Diploma of Engineering - Technical
- attend all classes, act in an appropriate manner and adhere to the school's student rules
- wear protective clothing or workplace uniforms as required by their employer during their school-based traineeship hours and display appropriate behaviour in the workplace
- ensure they have appropriate transport arrangements for attendance at work and/or at other training venues required as part of their Diploma program.