

# Diploma of Engineering - Technical

## Industry Information

## Getting Involved

## Developing the skills for your future workforce

### How do I recruit a school-based trainee enrolled in the MEM50205 Diploma of Engineering – Technical as a Draftsperson?

1. Contact Manufacturing Skills Queensland on (07) 3364 0680 or [msq@msq.org.au](mailto:msq@msq.org.au) to register your interest in employing a school-based trainee.
2. Manufacturing Skills Queensland will contact the participating schools to identify a suitable student(s).
3. You will be encouraged to work with the identified school(s) to determine suitability of the student for employment as a school-based trainee with your organisation.
4. For a school-based arrangement to be created, students must have the support of their employer, their school, a supervising registered training organisation, and their parents.
5. An Education, Training and Employment Schedule will be negotiated as part of the development of a training plan and will be negotiated at the same time the training contract is signed.
6. Read the 'Facts for employers' information sheet about the benefits, incentives and employer responsibilities for employing a school-based trainee and/or visit [www.apprenticeshipsinfo.qld.gov.au](http://www.apprenticeshipsinfo.qld.gov.au)

### Further information

#### Manufacturing Skills Queensland

Gateway Schools to the Manufacturing & Engineering Industry

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#### Construction Skills Queensland

Gateway Schools to the Building & Construction Industry

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#### Queensland Minerals & Energy Academy

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# About the program

## What is the MEM50205 Diploma of Engineering - Technical for years 11 and 12 students?

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

## Career opportunities

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

**Manufacturing Skills Queensland**  
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**Web: [www.msq.org.au](http://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 MEM50205 Diploma of Engineering - Technical
- Graphics and Mathematics B subjects at school
- a school-based traineeship of 48 days per year on-the-job training

### Option 2

- Up to eight competencies towards the MEM50205 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 or

### Prerequisites

- Minimum sound in Year 10 Graphics
- Minimum sound in Year 10 Mathematics

The Following competencies are delivered in conjunction with the required Year 11 and 12 subjects:

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 required for option 1

# Benefits to Employers

## How will your organisation benefit from participation in this program?

- Employing a school-based trainee undertaking Diploma-level training in conjunction with on-the-job experience and completing Year 11 and 12.
- A student working with your organisation normally for one set day per week, with the option of offering them hours after school, on weekends and during school holidays.
- An opportunity to see if the student will meet your future skills needs.
- The possibility of accessing State and Australian incentives for employing a school-based trainee

## What conditions are school-based trainees employed under?

- School-based trainees undertake a minimum of 48 days per year on-the-job
- School-based trainees undertake a 30 day probationary period
- Combine practical work with structured training on-the-job or a combination of both

## How much do I pay a Trainee

Australian school-based trainees are paid for productive time spent in the workplace.

Due to the complex nature of industrial relations issues and the diverse range of award payments, you should contact either Fairwork info line on 13 13 94 or visit [www.fairwork.qld.gov.au](http://www.fairwork.qld.gov.au)

## What incentives are available for employing a school-based trainee?

Employers may benefit from state and federal government incentives for employing a school-based apprentice or trainee. Various incentives are available for eligible employers depending on their location, industry and the student employed.

For more information on state government incentives, refer to Youth Training Incentives on the Department of Employment Economic Development and Innovation website or phone (07) 3225 2140.

For more information on federal government incentives, please contact an Australian Apprenticeships Centre on 13 38 73.

## Employers May Benefit From

Australian Government Employer Incentives	State Government Assistance
• \$750 School-based commencement – All Certificate Levels	• Subsidised Training (key priority areas only)
• \$750 School-based retention – Students must be employed within a set time frame	• \$1,100 Youth Training (School-based only)
• \$1500 Commencement Incentive	• \$1,250 Building and Construction Industry Training Fund (Employer incentive)
• \$2500 Completion Incentive	