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## MEM20422 Certificate II in Engineering Pathways

Vocational Education and Training

RTO Provider number: 0855

Qualifications and Statements of Attainment issued by Taminmin College are recognised by registered training organisations in all Australian states and territories. Taminmin College recognises qualifications and Statements of Attainment issued by registered training organisations in all Australian states and territories.

Date Modified: July 2024





TAMINMIN COLLEGE

EDUCATION FOR *life.*



### About this course

The qualification is intended for people interested in exposure to an engineering or related working environment with a view to entering into employment in that area. This qualification will equip graduates with knowledge and skills which will enhance their prospects of employment in an engineering or related working environment.

In this course students will undertake a variety of projects developing industry skills. Measuring, marking and cutting materials as well as folding and shaping using a variety of different engineering tools and machinery. They will also learn the fundamentals of tig and mig welding.

This qualification runs over the full year with an expected completion time of two semesters on campus.

Students are to attend the course two full days a week on Monday and Tuesday during normal school hours.

### Program content

This qualification consists of twelve units of competency from the Metal and Engineering Training Package.

MEM13015	Work safely and effectively in manufacturing and engineering
MEMPE005	Develop a career plan for the engineering and manufacturing industry
MEMPE006	Undertake a basic engineering project
MSMENV272	Participate in environmentally sustainable work practices
MEM11011	Undertake manual handling
MEM16006	Organise and communicate information
MEM18001	Use hand tools
MEM18002	Use power tools/hand held operations
MEMPE001	Use engineering workshop machines
MEMPE002	Use electric welding machines
MEMPE003	Use oxy-acetylene and soldering equipment
MEMPE004	Use fabrication equipment

In order to satisfy the Department of Education requirements for VWP, Taminmin College offers the following units of competency to all students undertaking construction and engineering training will also complete Working at Heights and White Card. A statement of attainment will be issued on successful completion of these units of competency.

### Study and career pathways

On completion of this qualification, students will possess the skills required to have a sound knowledge of the industry, should they seek employment in the engineering trade.

### Advantages

- Nationally recognised qualification
- Earn credits towards NTCET
- Develop work skills
- Build confidence and communication skills
- Exposure to potential employers

### Dress Requirements

Students are required to dress ready for work for all classes. The dress requirements for Engineering Pathways is:

- Work boots with a reinforced toe or steel capped
- Long trousers
- Long sleeve high Vis shirt (supplied)

### Vocational Work Placement

An important component of VET in Schools training is the Vocational Work Placement (VWP). VWP is organised by Industry Engagement Officers (IEOs) who are the link between the school, host workplace and the Registered Training Organisation (RTO). VWP involves spending 2 work weeks each semester with a host employer gaining an insight to the requirements and expectations of a worker within this industry. Students do not receive payment for this experience.

### Assessment

Assessment methods include questions to assess the knowledge requirements for each unit of competency and observation of application of practical skills. These assessments will also be used to determine work readiness and the ability to follow workplace instructions and procedures.

### How will you learn?

Training and assessment takes place in a fully equipped Trade Skills Centre at Taminmin College Campus. The course is delivered two days a week on Monday and Tuesday during normal school hours. All learning resources are supplied free of charge however students will need to supply the following:

- Pen/pencil
- Notebook

### Previous studies and skills recognition

Taminmin College recognises qualifications and statements of attainment issued by other Registered Training Organisations (RTO). If you have completed training with another RTO, please talk to your trainer about receiving credit or recognition of prior learning for this course. Credit transfers will be automatic where previous studies have been completed at Taminmin College and the units of competency apply to this qualification.

### Support services

Students with special needs, including students with a disability, need to be supported appropriately. Reasonable adjustments will be made to accommodate their special needs. Support for students requiring language, literacy and numeracy skills will be provided by dedicated school staff such as Special Education Support Assistant.

### Student rights and responsibilities

Students have the right to learn and be treated with respect and dignity. Equally they have a responsibility to demonstrate respect for themselves, others and the training environment.

Student responsibilities include:

- Commit to and complete the VET program
- Comply with rules and expectations as detailed in the VET Student Information Handbook
- Comply with structured work placement requirements
- Comply with workplace health and safety (WHS) requirements
- Attend VET classes on time, dressed appropriately and ready to learn

### Eligibility/entry requirements

To gain entry into this qualification, students must be enrolled in a senior secondary government or registered non-government school at year 11 level or above. All students will undergo an interview prior to acceptance into the course.

### Fees

There is a fee of \$150.00 which includes all learner resources, assessments and covers the cost of 2 Long sleeve high Vis shirts, consumables and equipment. The fee is non-refundable following the second week of the course. This qualification is funded by the Northern Territory Government as Taminmin College utilises government funds to support student employment outcomes.

### Exit Points

Students may withdraw from this qualification at any time by completing a Withdrawal form and receive a Statement of Attainment for any units of competency successfully completed.

Taminmin College will provide training and assessment in accordance with the requirements of the *Standards for Registered Training Organisations (RTOs) 2015* and ensure that the learner will have the opportunity to complete the qualification offered once a completed enrolment form is processed.