

RTO provider number 0855

Course Information

MEM10105 - Certificate I in Engineering

About this course

The Certificate I in Engineering provides learners with the basic skills and knowledge in metals and engineering and offers a pathway for students interested in training and working in a range of fields including welding and metal fabrication, electrical and refrigeration.

This course is nationally accredited within the Australian Qualifications Framework and outlined within the Metal and Engineering Training Package (MEM05). Further details on this Training Package are available from the Australian Government's training information website:

<http://training.gov.au/Training/Details/MEM05>

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.

Length of course

This qualification runs over a six month period with an expected completion time of two (2) terms on campus, however this time frame can be extended based on individual student needs.

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 10 level or above. There are no other requirements or previous experience required

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 (SESA)

Fees

There is a fee of \$80.00 which includes all learner resources, assessments and covers the cost of consumables and equipment. The fee is non-refundable following the second week of the course

This course is funded by the Northern Territory Government under the VET in Schools funding arrangements through the Industry, Engagement and Employment Pathways (IEEP) unit.



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How will you learn?

Training and assessment takes place in a fully equipped Engineering Skills Centre at Taminmin College. The course is delivered one (1) days a week on Thursday during normal school hours.

Students will learn trade-like skills in welding and machining and will use engineering tools and equipment to produce and modify projects.

All learning resources are supplied free of charge however students will need to supply the following:

- Pen/pencil for taking notes
- Notebook/jotter
- Work boots (steel cap)
- Long trousers

Structured Work Placement (SWP)

An important component of VET in Schools training is the Structured Work Placement. SWP is organised by Industry Engagement Officers (IEOs) who are the link between the school, host workplace and the Registered Training Organisation (RTO). SWP involves spending two lots of two weeks work 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.

In order to complete SWP safely, students require the skills and knowledge to work safely in an industry context. The Department of Education has requested that all students participating in construction and engineering training undergo extra training to obtain their White Card and understand the requirements to work safely at heights.

In order to satisfy the Department of Education requirements, Taminmin College offers the following units of competency to all students undertaking construction and engineering training:

- Work safely in the construction industry (CPCCOHS1001A)
- Apply OHS requirements, policies and procedures in the construction industry (CPCCCM2010B)
- Work safely at heights (CPCCCM2010B)

White Card

The Work Health and Safety (National Uniform Legislation) Regulations requires workers performing construction work to hold a White Card. The approved unit of competency is CPCCOHS1001A 'Work safely in the construction industry'.

Students must achieve competency in the unit Work safely in the construction industry to achieve the requirements for the White Card. On successful completion of this unit, a statement

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of attainment will be issued to the student and it is the student's responsibility to lodge an application for the White Card with the Territory Business Centre. The cost is \$25.00 and photographic identification is required. (The price is current as at May 17, 2016)

Working safely at heights

Working safely at heights training is required on construction sites where the work activity is above 1.5 metres from ground level. Construction sites are identified as new construction, renovation or refurbishment as well as maintenance activities.

The units of competency associated with this are:

- Apply OHS requirements, policies and procedures in the construction industry (CPCCOHS2001A) – this is required knowledge to support working safely at heights
- Work safely at heights (CPCCCM2010B)

How will you be assessed?

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.

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. Further information on this process is available in the VET student Information Handbook

Credit transfers will be automatic where previous studies have been completed at Taminmin College and the units of competency apply to this qualification.

Exit points

You 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.

Dress Requirements

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

- Work boots with a reinforced toe or steel capped
- Long trousers
- Long sleeve high visible shirt, which is supplied by Taminmin College when the course fees are paid.

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Program content

This qualification consists of fourteen (14) units of competency from the Metal and Engineering Training Package. This consists of four (4) core units and ten (10) elective units totaling 24 points

MEM13014A	Apply principles of occupational health and safety in the work environment
MEM14004A	Plan to undertake a routine task
MEM15024A	Apply quality procedures
MEM16007A	Work with others in a manufacturing, engineering or related environment
MEM05050B	Perform routine gas metal arc welding
MEM05004C	Perform routine oxy acetylene welding
MEM05007C	Perform manual heating and thermal cutting
MEM05012C	Perform routine manual metal arc welding
MEM06007B	Perform basic incidental heat/quenching, tempering and annealing
MEM11011B	Undertake manual handling
MEM12023A	Perform engineering measurements
MEM14005A	Perform a complete activity
MEM18001C	Use hand tools
MEM18002B	Use power tools/hand held operations

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

Further information can be found in the VET Student Information Handbook

For more information contact

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