Course Information

Certificate II in Engineering Pathways (MEM20413)

About this course
The Certificate II in Engineering Pathways is a qualification 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 employments in an engineering or related working environment.

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 the year with an expected completion time of two (2) semesters 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 11 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 $150.00 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.
How will you learn?
Training and assessment takes place in a fully equipped Engineering Skills Centre at Taminmin College. The course is delivered two (2) days a week on Tuesday and Wednesday 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.

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.

Program content
This qualification consists of twelve (12) units of competency from the Metal and Engineering Training Package.

MEM13014A  Apply principles of occupational health and safety in the work environment
MEMPE005A  Develop a career plan for the engineering and manufacturing industry
MEMPE006A  Undertake a basic engineering project
MASENV272B  Participate in environmentally sustainable work practices
MEM16006A  Organise and communicate information
MEM18001C  Use hand tools
MEM18002B  Use power tools/hand held operations
MEMPE001A  Use engineering workshop machines
MEMPE002A  Use electric welding machines
MEMPE003A  Use oxy-acetylene and soldering equipment
MEMPE004A  Use fabrication equipment
MSAPMSUP106A  Work in a team

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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