

MEM20422 Certificate II in Engineering Pathways

RTO Code 31193



Subject Type: VET

Duration: 2 Years

QCE Credits: 4

Description

The qualification MEM20422 provides students with an introduction to an engineering or related working environment. Students gain skills and knowledge in a range of engineering and manufacturing tasks which will enhance their entry-level employment prospects for apprenticeships, traineeships or general employment in an engineering-related workplace. Typically commencing in Year 11 and delivered in the school workshops, during normal school hours as a part of the student's regular school timetable, the course is completed over a period of two (2) years. A student can only participate in a Blue Dog Training VETiS program with the permission of their school.

Application

The learning program should develop trade-like skills but not attempt to develop trade-level skills. As an example, the outcome level of welding skills from this qualification is not about learning trade-level welding theory and practice; it is about being introduced to welding, how it can be used to join metal and having the opportunity to weld some metal together. Similarly with machining, the outcome should be something produced on a lathe etc., not the theory and practice of machining. The focus should be on using engineering tools and equipment to produce or modify objects. To be done in a safe manner for each learner and those around them.

Eligibility - Cost

The Department of Employment, Small Business and Training (DESBT) provides funding for secondary school students to complete one (1) approved VETiS qualification while at school, referred to as 'employment stream' qualifications.

This means that if a student is eligible, the course is provided to them fee-free. To be eligible to enrol in a Blue Dog Training VETiS program, students must:

- be currently enrolled in secondary school
- permanently reside in Queensland
- be an Australian citizen, Australian permanent resident (includes humanitarian entrant), temporary resident with the necessary visa and work permits on the pathway to permanent residency, or a New Zealand citizen
- not already completing or have already completed a funded VETiS course with another registered training organisation.

In situations where a student is not eligible for VETiS funding, under the DESBT funding arrangements, fee for service arrangements are available for students through Blue Dog Training. Fee for service cost = \$1200.

Training & Assessment Delivery

The Blue Dog Training VETiS program is delivered at the student's school as part of their timetabled classes by Blue Dog Trainings qualified trainers and assessors.

Secondary school students are enrolled as a student with Blue Dog Training and their qualification or statement of attainment is issued by Blue Dog Training.

Training and assessment are via Blue Dog Training's blended mode of delivery which comprises both on-line training and face to face classroom-based training at the school workshop.

Blue Dog Training trainers and assessors attend the school on a structured basis throughout the school year.

Blue Dog Training are responsible for all training and assessment.

Unit code	Title
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
MSAENV272	Participate in environmentally sustainable work practices
MEM18001	Use hand tools
MEM16008	Interact with computing technology
MEM18002	Use power tools/hand held operations
MEMPE002	Use electric welding machines
MEM16006	Organise & communicate information
MEM11011	Undertake manual handling
MEMPE007	Pull apart and re-assemble engineering mechanisms
MEMPE001	Use engineering workshop machines

NOTE: Elective units are subject to change prior to the commencement of the program. This is to ensure alignment to current industry practices.

Work placement

There is no work placement requirement for this certification.

Pathways

This qualification may articulate into employment within a number of trades including Boilermaker, Sheet metal worker and Fitter and Turner.