

MEM20422 Certificate II in Engineering Pathways

Registered Training Organisation (RTO):
Blue Dog Training (RTO Code: 31193)
www.bluedogtraining.com.au
07 3331 6004

QCE Credits: 4 Core Credits

Description

The MEM20422 qualification introduces students to an engineering or related working environment.

Students develop skills and knowledge across a range of engineering and manufacturing tasks, supporting entry-level employment pathways including apprenticeships, traineeships, or general roles in the industry.

Commencing in Year 11, the course is delivered in school workshops during normal timetable hours and is completed over two years. Participation in a Blue Dog Training VETiS program requires school approval.

Application

The learning program develops trade-like skills without aiming for trade-level outcomes. For example, in welding, learners are introduced to basic techniques and complete simple tasks, rather than developing trade-level theory and practice. Similarly, in machining, the focus is on producing a basic item using equipment such as a lathe, rather than advanced theory and practice.

The emphasis is on using engineering tools and equipment to produce or modify objects safely, ensuring the well-being of learners and others around them.

Eligibility - Cost

This qualification is funded by the Department of Trade, Employment and Training (DTET) through the VET in Schools (VETiS) program, which provides eligible secondary school students with access to one approved funded qualification.

In situations where a student is not eligible for VET in Schools (VETiS) funding, under the DTETs funding arrangements, Blue Dog Training offers fee-for-service enrolments at a cost of \$1,200. This is paid up front, directly to Blue Dog Training, not to the school. In these cases, Mountain Creek State High School charges a material fee of Year 11: \$125 & Year 12: \$125 for the course.

For eligibility requirements, refer to the Blue Dog Training website:

<https://bluedogtraining.com.au/en-au/for-schools>

For information on the refund policy, visit:

<https://bluedogtraining.com.au/en-au/company-policies#level-3>

Training and Assessment Delivery

The Blue Dog Training VETiS program is delivered at the student's school during timetabled classes by qualified trainers and assessors.

Students are enrolled with Blue Dog Training, who is responsible for all training and assessment and issues qualifications and statements of attainment.

Training is delivered through online theory via Blue Dog Training's Learning Management System (LMS) and face-to-face practical training in school workshops. Practical projects and assessments are completed on site at the student's school, with trainers attending on a structured basis throughout the year.

Core

MEM13015	Work safely and effectively in manufacturing and engineering
MEMPE005	Develop a career plan for the engineering and manufacturing industries
MEMPE006	Undertake a basic engineering project
MSMENV272	Participate in environmentally sustainable work practices

Elective

MEM11011*	Undertake manual handling
MEM16006*	Organise and communicate information
MEM16008*	Interact with computing technology
MEM18001*	Use hand tools
MEM18002*	Use power tools/hand held operations
MEMPE001	Use engineering workshop machines
MEMPE002	Use electric welding machines
MEMPE007	Pull apart and re-assemble engineering mechanisms

Notes:

- An asterisk (*) indicates a prerequisite unit. Prerequisite units must be assessed before any unit marked with an asterisk.*
- Elective units may change prior to program commencement to ensure alignment with current industry practices.
- More information about this qualification is available at: <https://training.gov.au/Training/Details/MEM20422>