



BUNDABERG STATE HIGH SCHOOL
VOCATIONAL EDUCATION AND TRAINING (VET) PROGRAMS

RTO Name: Blue Dog Training Pty Ltd	RTO NO: 31193
VET Course Name: Certificate II in Engineering Pathways	VET Course Code: MEM20413

BSHS Subject Name	Years	Subject Code	OP	QCE Credits	VET	Pre-requisite
Certificate II in Engineering Pathways	12	VEN	NO	4	YES	YES

Head of Department: Mr Keith Holledge

Course Outline:

This course provides access for students to complete Certificate II in Engineering pathways from the manufacturing Training Package MEM and is a nationally recognised qualification.

This course is designed to give students an understanding of fundamental engineering skills and provides opportunities for development of appropriate life skills to assist students in their transition from school to work within engineering and manufacturing environment and as responsible, contributing member in the community.

Course Content:

Students will study the following Units of Competency:		
Certificate II in Engineering Pathways (MEM20413)		STATUS
MEM13014A	Apply principles of occupational health & safety (OH&S)	Core
MEMPE005A	Develop a career plan for the engineering and manufacturing industry	Core
MEMPE006A	Undertake a basic engineering project	Core
MSAEN272B	Participate in environmentally sustainable work practices	Core
MEM16006A	Organise and communicate information	Elective
MEM16008A	Interact with computing technology	Elective
MEM18001C	Use hand tools	Elective
MEM18002B	Use power tools/hand held operations	Elective
MEMPE001A	Use engineering workshop tools	Elective
MEMPE002A	Use electric welding machines	Elective
MEMPE003A	Use oxy-acetylene and soldering equipment (Option A)	Elective
MEMPE007A	Pull apart and re-assemble engineering mechanisms (Option B)	Elective
MSAPMSUP106A	Work in a Team	Elective

Students may gain recognition for skills that they have acquired from paid part-time work to complete some Units of Competency.



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Outside Learning Provider: Blue Dog Training Pty Ltd

This Certificate I in Construction will be delivered and assessed at Bundaberg State High School by qualified instructors. This Program will not be using Bundaberg SHS as the RTO however, the program will be supported by VET teachers at BSHS as a partnership agreement with Blue Dog Training Pty Ltd.



Assessment Outline:

This is a competency based course. Students will have a number of opportunities to demonstrate that they can competently complete the set activities over the course of study. Students will be assessed using a variety of techniques such as:

- Online formal learning and assessment
- On-site formal learning and assessment
- Off the job workshop simulation
- One on one face to face delivery and assessment
- Other forms of assessment can include folios of work, in-class tests, scenario based activities, internet activities, simulated workplace activities and teacher observation.

Career Pathways:

Further training pathways from this qualification include MEM30205 Certificate III in Engineering - Mechanical Trade, MEM30305 Certificate III in Engineering – Fabrication Trade, MEM30405 Certificate III in Engineering - Electrical/Electronic Trade, MEM30605 Certificate III in Jewellery Manufacture, MEM30705 Certificate III in Marine Craft Construction, MEM30805 Certificate III in Lock smithing, MEM31010 Certificate III in Watch and Clock Service and Repair, or other relevant qualifications. Possible careers include: Boilermaker, Fitter and Turner, Diesel Fitter, Sheet Metal Worker, Machinist. Further information can be obtained from: <https://bluedogtraining.com.au/> <https://www.myfuture.edu.au/>

Potential Activities:

Students will be provided with the opportunity to do Structured Workplace Learning where they are provided with the opportunity to work in the 'real world'.

Costs:

There will be additional costs involved in this course for materials used. Students, through their resource hire fee, have access to the photocopied class materials, internet, email facilities, required texts, software and hardware.

Student Requirements:

Students should have successfully completed Certificate I in Manufacturing.

Prerequisites for this course is students should have displayed a sound level in English and Mathematics. A Year 10 Semester report with a pass in behaviour and effort and showing a ninety per cent attendance. Students must be prepared to participate fully and enthusiastically in class projects and outdoor projects around the school. A home computer with internet is recommended for completing online tasks OnGuard.



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Student Information:

Bundaberg State High School does not guarantee that students will complete their qualification or Units of Competencies, however at Bundaberg State High School VET tracking/case-management of students is in place as a checking system to see that student are progressing towards completions. We encourage parent and student communication in this process. We also do not guarantee an employment outcome upon completion. Qualifications must be completed in a manner that meet the VET Standards for RTO's 2015.

All information is correct at time of publication but subject to change.

