



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

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

BSHS Subject Name	Years	Subject Code	ATAR	QCE Credits	VET	Additional
Certificate II in Engineering Pathways	11/12	VEP	NO	Up to 4	YES	VETIS funded

**Head of Department:** Mr Keith Holledge

**Course Outline: s**

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:**

<b>Students will study the following Units of Competency:</b>		
<b>Certificate II in Engineering Pathways (MEM20413)</b>		<b>STATUS</b>
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

Please note, competencies delivered in other courses and may affect new learning and QCE points awarded. Subject to change.

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

Date of Publication: 070818

File Location: G:\Curriculum\VET\VET 2019\MARKETING SHEETS\EXTERNAL RTOS\MEM20413 Certificate II in Engineering Pathways\_2019.docx

Approval 1: Curriculum HOD

Approval 2: Senior Schooling HOD/VET Pathways

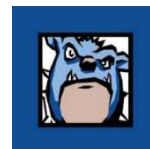




## BUNDABERG STATE HIGH SCHOOL VOCATIONAL EDUCATION AND TRAINING (VET) PROGRAMS

### 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 which includes online formal learning and assessment, on-site formal learning and one on one face to face delivery and assessment.

### 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/>



### Potential Activities:

Students may be provided with the opportunity participate in Structured Workplace Learning.

### Costs:

This course is VETIS funded. 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, and required texts.

### Student Requirements:

Students must be prepared to participate fully and enthusiastically in class projects and outdoor projects around the school. A laptop computer and school network access is required to be able to access and upload assessment and online modules. Microsoft Office suite is available free to students and can be accessed from the school network. Appropriate PPE (Steel cap boots, overalls) are required.

### 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.