



# CABOOLTURE

## STATE HIGH SCHOOL

*Making the difference today ... for tomorrow*

MEM20422 CERTIFICATE II

IN ENGINEERING PATHWAYS

INCOMPATIBLE SUBJECTS	NIL	DEPENDENT SUBJECTS	NIL
PRE-REQUISITE SUBJECTS	INDUSTRIAL TECHNOLOGY EXPERIENCE STRONGLY RECOMMENDED	POTENTIAL QCE POINTS	4
COURSE DURATION	TWO YEARS	CONTRIBUTES TO ATAR Only 1 Cert. III subject will contribute to an ATAR, if studied with 4 General subjects.	YES
FINANCIAL COMMITMENT	VETiS Funded \$0, or Fee For Service \$1200 plus REFER TO PROPOSED FEE SCHEDULE	DELIVERY PARTNERSHIP	BLUE DOG TRAINING RTO NUMBER 31193
COURSE REQUIREMENTS	<i>Students must wear safety boots when participating in workshop activities</i>		

### COURSE CONTENT

The qualification MEM20422 provides students with an introduction to an engineering or related working environment. There is a strong focus on safe use of industry tools that are deemed to be High or Extreme Risk. 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.

MEM13015	Work safely and effectively in manufacturing and engineering	CORE
MEMPE005	Develop a career plan for the engineering and manufacturing industries	CORE
MEMPE006	Undertake a basic engineering project	CORE
MSAENV272	Participate in environmentally sustainable work practices	CORE
MEM11011*	Undertake manual handling	PRESCRIBED ELECTIVE
MEM16006*	Organise and communicate information	PRESCRIBED ELECTIVE
MEM16008*	Interact with computing technology	PRESCRIBED ELECTIVE
MEM18001*	Use hand tools	PRESCRIBED ELECTIVE
MEM18002*	Use power tools/hand held operations	PRESCRIBED ELECTIVE
MEMPE001	Use engineering workshop machines	PRESCRIBED ELECTIVE
MEMPE002	Use electric welding machines	PRESCRIBED ELECTIVE
MEMPE007	Pull apart and re-assemble engineering mechanisms	PRESCRIBED ELECTIVE

### ASSESSMENTS

In assessing learners against competencies or clusters of competencies, evidence is gathered through completion of set tasks that include:

- Correct identification and sequencing of discrete skills in the context of a work-based project
- Demonstration of skills, applying appropriate occupational health and safety requirements associated to the task
- Problem solving exercises and knowledge-based assessment

### CAREER PATHWAYS

Completion of this qualification is a useful step towards the following career pathways: Boilermaker, Welding, Engineering - Fabrication Trade, Sheetmetal working, Fitting and/or Turning, Machining, Diesel Fitting/Fixed & Mobile Plant Mechanic

### \*VETIS ELIGIBILITY

Students in Year 10, 11 and 12, who are an Australian or New Zealand Citizen or permanent resident, or a temporary resident with the necessary visa, are eligible to utilise VETiS funding subsidised by the Queensland Government under the VET in School Program (VETiS). Students are eligible to use VETiS funding to complete one program only. Visit Blue Dog Training <https://bluedogtraining.com.au/>

### TRAINING PROVIDER | CABOOLTURE STATE HIGH SCHOOL NATIONAL PROVIDER NUMBER 7061

<http://training.gov.au> - Please refer to the training.gov.au website for specific information about the qualification. Students must achieve competency in each unit of competency to be issued with a full certificate at the completion of this course. If students do not achieve the full certificate, a statement of attainment will be issued detailing the competencies completed. Units of competency are correct at time of printing. In the event of changes to training packages, these will be made by ASQA. Students will be notified and Caboolture SHS will ensure students are transitioned to new units of competency as required by QCAA and ASQA.

*Disclaimer: Caboolture SHS must have suitable teachers and equipment to run this course. If the school loses access to these resources, the school will attempt to provide students with alternative opportunities to complete the course and the related qualifications. The school retains the right to change or cancel the vocational component of the course if it is unable to meet requirements.*