

MEM30505 Certificate III in Engineering—Technical (TAFE)

Vocational Education Training



VET

TAFE Queensland (RTO Code 0275) and Marsden State High School (RTO Code 30117) have entered into a Third Party Agreement to partner delivery of this course to students. Under this partnership, TAFE Queensland is the Registered Training Organisation (RTO) and Marsden State High School will conduct all training and assessment on behalf of TAFE Queensland.

TAFE Queensland is responsible for monitoring the quality of the training and assessment services and will issue the TAFE Queensland certificate to students on completion.

COURSE DETAILS				
Subject type:	VET Qualification	Duration:	4 Semesters	QCE credits: Up to 5
Description	<p>MEM30505 Certificate III in Engineering – Technical is a nationally recognised qualification designed to give students an introduction to the manufacturing and engineering industry. This course gives students the skills and knowledge required to perform a range of practical skills in the areas of 2D and 3D detail drawings, AS1110 drawing standards and bills of material, print (paper and 3D), plot and email data and managing CAD (computer -aided design) symbol libraries.</p> <p>Career pathways include:</p> <ul style="list-style-type: none"> • Designer • CAD Draftsperson/operator • Technical Officer in engineering / construction 			
Entry requirements and pre-requisites	Entry-level course. There are no entry requirements for this qualification. Pre-requisite units are required. Refer to the table below for pre-requisite units which you must pass before you can enrol in the related unit.			
Course Requirements				
Rules	<p>A total of 10 units must be completed:</p> <ul style="list-style-type: none"> • 3 core units of competency • 7 elective units of competency 			
CORE AND ELECTIVE UNITS				PRE-REQUISITE UNITS
Year 1 Semester 1	MEM16006A	Organise and communicate Information	Core	
	MEM16008A	Interact with computing technology	Core	
	MEM30031A	Operate computer-aided design (CAD) system to produce basic drawing elements	Elective	
Year 1 Semester 2	MSAENV272B	Participate in environmentally sustainable work practices	Core	
	ICPPTD302	Set up and produce 3D prints	Elective	
	MEM12023A	Perform engineering measurements	Elective	
Year 2 Semester 1	MEM30032A	Produce basic engineering drawings	Elective	MEM30031A Operate computer - aided design (CAD) system to produce basic drawing elements
	MEM30033A	Use computer-aided design (CAD) to create and display 3-D models	Elective	
Year 2 Semester 2	MEM09002B	Interpret technical drawings	Elective	
	MEM09202A	Produce free hand sketches	Elective	
Proposed unit changes	Not applicable			

Learning experiences	<ul style="list-style-type: none"> • Classroom and workshop • Mode of delivery – a blend of theory and practical activities using classroom resources in conjunction with online TAFE Queensland Connect learning management system where it is available. • Students must use personal protective equipment (PPE) for practical activities. The school will advise students of any compulsory PPE that will need to be provided by the student.
Assessment	<p>Assessment is competency based because it is directly related to work. Students must demonstrate knowledge and skills to the standard of performance required in the workplace. Therefore, no levels of achievement are awarded. Assessment methods include:</p> <ul style="list-style-type: none"> • Observation and oral questioning; and • Work samples / projects; and • Written assessment; and/or • Online assessment via the TAFE Queensland Connect learning management system.
Further study options	<ul style="list-style-type: none"> • Certificate III (apprenticeship) in a specialist automotive area • Certificate IV in Automotive Mechanical Diagnosis • Students will receive credit for equivalent competencies when completing further studies, such as in a related apprenticeship course.
Fees	<p>To be advised.</p>
Further Information	<p>The school's student assistance program is responsible for ensuring students receive appropriate levels of support during the course. Contact the school's Head of Senior Schooling or VET Coordinator for information about support services including language, literacy and numeracy, assistive technology, additional tutorials and assistance in using technology for online delivery components. Students will be provided with access to further information via TAFE Queensland's website, TAFE Queensland's Connect (Online) site or via the school prior to enrolment.</p> <p>For more information about VET in Schools, visit https://desbt.qld.gov.au/training/training-careers/incentives/vetis/faqs</p> <p>For enquiries about TAFE Queensland School Partnership Programs, please contact Melissa Eastaughffe, TAFE at School Coordinator (Partnership with Schools) on 07 3244 0790 or email: melissa.eastaughffe@tafe.qld.edu.au</p>
Third Party Agreement	<p>This is a two year course. Marsden State High School will ensure that the students under this qualification will be provided with the opportunity to complete the course in line with TAFE Queensland policies and procedures. Students who successfully finish the course will be issued with a nationally recognised Qualification by TAFE Queensland as the RTO. Students who achieve at least one unit (but not the full qualification) will receive a Statement of Attainment on request.</p>