Factsheet - Partnership with Schools Program

RTO 0275 | CRICOS 03020E

MEM30522 Certificate III in Engineering – Technical

Browns Plains State High School (RTO Code 30055) provides training and assessment of this accredited qualification on behalf of TAFE Queensland (RTO Code 0275) under a Third Party Training Agreement. Under this arrangement, TAFE Queensland is responsible for monitoring the quality of the training and assessment services and will award the qualification/statement of attainment.

COURSE DETAILS					
Subject type:	VET Qualification	**Duration:**	4 Semesters	**QCE credits:**	5
Qualification description	**MEM30522 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. Career pathways include: • 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 and are delivered as part of this qualification. Refer to the table below for pre-requisite units.				
Qualification rules	A total of 10 units must be completed: • 3 core units of competency • 7 elective units of competency				

CORE AND ELECTIVE UNITS				PRE-REQUISITE UNITS
Year 1 Semester 1	MEM13015	Work safely and effectively in manufacturing and engineering	Elective	Not applicable
	MEM16006	Organise and communicate Information	Core	MEM13015 Work safely and effectively in manufacturing and engineering
	MEM16008	Interact with computing technology	Core	MEM13015 Work safely and effectively in manufacturing and engineering MEM16006 Organise and communicate Information
	MEM09229	Read and interpret technical engineering drawings	Elective	Not applicable
	MEM30031	Operate computer-aided design (CAD) system to produce basic drawing elements	Elective	Not applicable
Year 1 Semester 2	MEM30033	Use computer-aided design (CAD) to create and display 3D models	Elective	MEM30031 Operate computer-aided design (CAD) system to produce basic drawing elements
	MEM30032	Produce basic engineering drawings	Elective	Not applicable
Year 2 Semester 1	MEM09204	Produce basic engineering detail drawings	Elective	MEM09229 Read and interpret technical engineering drawings
	MEM30012	Apply mathematical techniques in a manufacturing engineering or related environment	Core	Not applicable
Year 2 Semester 2	MEM09202	Produce free hand sketches	Elective	Not applicable

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Proposed unit changes	Not applicable
Learning experiences	• 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	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: • 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	• Certificate III (apprenticeship) in a specialist manufacturing or engineering area • Certificate IV in Engineering • Certificate IV in Engineering Drafting • MEM50222 Diploma in Engineering - Technical • MEM60122 Advanced Diploma of Engineering Students will receive credit for equivalent competencies when completing further studies, such as in a related apprenticeship course.
Fees	This course does not qualify for VETiS funding. Students who do this course as part of their senior studies will not pay tuition fees to TAFE Queensland. The school will advise if materials fees are payable to the school prior to commencement of the program.
Student Support	The school's student assistance program will ensure 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.
Third Party Agreement	This is a two year course. The 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. Partial completion of a Certificate III qualification contributes QCE points on a sliding scale, dependent upon the number of units completed. This information is correct at time of publication 10/05/2024 but is subject to change.