

# Factsheet - Partnership with Schools Program



## MEM30505 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				
<b>Subject type:</b>	VET Qualification	<b>Duration:</b>	4 Semesters	<b>QCE credits:</b> 5
<b>Qualification description</b>	<p><b>MEM30505 Certificate III in Engineering – Technical</b> 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:</p> <ul style="list-style-type: none"> <li>• Designer</li> <li>• CAD Draftsperson/operator</li> <li>• Technical Officer in engineering / construction</li> </ul>			
<b>Entry requirements and pre-requisites</b>	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.			
<b>Qualification rules</b>	<p>A total of 10 units must be completed:</p> <ul style="list-style-type: none"> <li>• 3 core units of competency</li> <li>• 7 elective units of competency</li> </ul>			

CORE AND ELECTIVE UNITS				PRE-REQUISITE UNITS
<b>Year 1 Semester 1</b>	MEM16006A	Organise and communicate Information	Core	Not applicable
	MEM16008A	Interact with computing technology	Core	Not applicable
	MEM30031A	Operate computer-aided design (CAD) system to produce basic drawing elements	Elective	Not applicable
<b>Year 1 Semester 2</b>	MSAENV272B	Participate in environmentally sustainable work practices	Core	Not applicable
	ICPPTD302	Set up and produce 3D prints	Unspecified Elective	Not applicable
	MEM12023A	Perform engineering measurements	Elective	Not applicable
<b>Year 2 Semester 1</b>	MEM30032A	Produce basic engineering drawings	Elective	Not applicable
	MEM30033A	Use computer-aided design (CAD) to create and display 3-D models	Elective	MEM30031A Operate computer-aided design (CAD) system to produce basic drawing elements
<b>Year 2 Semester 2</b>	MEM09002B	Interpret technical drawings	Elective	Not applicable
	MEM09202A	Produce free hand sketches	Elective	Not applicable
<b>Proposed unit changes</b>	<ul style="list-style-type: none"> <li>• Year 12 students already enrolled in the program and who meet the qualification requirements will receive their award for MEM30505 by 31/01/2025. After this date, students will be transitioned into the new program 'MEM30522 Certificate III in Engineering Technical'</li> </ul>			
<b>Learning experiences</b>	<ul style="list-style-type: none"> <li>• Classroom and workshop</li> <li>• 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.</li> </ul>			

# Factsheet - Partnership with Schools Program



	<ul style="list-style-type: none"> <li>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.</li> </ul>
<b>Assessment</b>	<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"> <li>Observation and oral questioning; and</li> <li>Work samples / projects; and</li> <li>Written assessment; and/or</li> <li>Online assessment via the TAFE Queensland Connect learning management system.</li> </ul>
<b>Further study options</b>	<ul style="list-style-type: none"> <li>Certificate III (apprenticeship) in a specialist manufacturing or engineering area</li> <li>Certificate IV in Engineering</li> <li>Certificate IV in Engineering Drafting</li> <li>MEM50212 Diploma in Engineering</li> <li>MEM60112 Advanced Diploma in Engineering</li> </ul> <p>Students will receive credit for equivalent competencies when completing further studies, such as in a related apprenticeship course.</p>
<b>Fees</b>	<p>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.</p>
<b>Student support</b>	<p>Contact the school's Head of Senior Schooling or VET Coordinator for information about support services provided during the course, 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>
<b>Third Party Agreement</b>	<p>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.</p> <p>This information is correct at time of publication 10/05/2024 but is subject to change.</p>