

# Factsheet - Partnership with Schools Program



RTO 0275 | CRICOS 03020E

## MEM20422 Certificate II in Engineering Pathways

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>	4
<b>Qualification description</b>	<p><b>MEM20422 Certificate II in Engineering Pathways</b> is a nationally recognised qualification designed to give students an introduction to an engineering or related working environment. This course will provide students with basic skills to operate tools and equipment to produce or modify objects.</p> <p>Career pathways in the manufacturing and engineering industry include:</p> <ul style="list-style-type: none"> <li>• Fitter and turner</li> <li>• Locksmith</li> <li>• Patternmaker/Moulder</li> <li>• Metal fabrication worker</li> <li>• Machinist</li> <li>• Welder</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 which students must pass before they can enrol in the related unit.				
<b>Qualification rules</b>	<p>A total of 12 units must be completed:</p> <ul style="list-style-type: none"> <li>• 4 core units of competency</li> <li>• 8 elective units of competency</li> </ul>				

CORE AND ELECTIVE UNITS				Pre-requisites
Year 1 Semester 1	MEM13015	Work safely and effectively in manufacturing and engineering	Core	Not applicable
	MEM16006	Organise and communicate information	Elective	MEM13015 Work safely and effectively in manufacturing and engineering
	MSMENV272	Participate in environmentally sustainable work practices	Core	None
	MEM11011	Undertake manual handling	Elective	MEM13015 Work safely and effectively in manufacturing and engineering MEM16006 Organise and communicate information
	MEM18001	Use hand tools	Elective	MEM11011 Undertake manual handling MEM13015 Work safely and effectively in manufacturing and engineering
	MEM18002	Use power tools/handheld operations	Elective	MEM16006 Organise and communicate information
Year 1 Semester 2	MEMPE002	Use electric welding machines	Elective	Not applicable
	MEM16008	Interact with computing technology	Elective	MEM13015 Work safely and effectively in manufacturing and engineering. MEM16006 Organise and communicate information
	MSMSUP106	Work in a team	Elective	Not applicable
Year 2 Semester 1	MEMPE001	Use engineering workshop machines	Elective	Not applicable
	MEMPE006	Undertake a basic engineering project	Core	Not applicable

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<b>Year 2 Semester 2</b>	MEMPE005	Develop a career plan for the engineering and manufacturing industry	Core	Not applicable
<b>Proposed unit changes</b>	<ul style="list-style-type: none"> <li>Not applicable.</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> <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 of the student's choice</li> <li>Certificate IV and Diploma level engineering study</li> <li>Students will receive credit for equivalent competencies when completing further studies, such as in a related apprenticeship course.</li> </ul>			
<b>Fees</b>	<p>This course is funded by the Queensland Government through the VET investment budget under the Vocational Education and Training in Schools (VETiS) program. Training is provided fee-free to eligible school students enrolled in Years 10, 11 or 12. Eligible students are entitled to one VETiS funded program on the Priority Skills List. Ask your school to confirm eligibility for VETiS funding.</p>			
<b>Student Support</b>	<p>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.</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 II 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>			