

Course Details - MEM10105 Certificate I in Engineering Pathways (Birdwood High School)

AHSPs Title	Mechanical Engineering (Go-Kart Manufacturing)		
Qualification	MEM10105 Certificate I in Engineering Pathways		
RTO	TAFE SA (National Code 41026)		
Host Organisation	Birdwood High School		
Course Length	2 semesters (1 year)		
Course Description	<p>The course has been developed to improve training and employment opportunities for students who wish to explore a career in the Manufacturing and Engineering Industry or a related trade area. Training is delivered by a qualified tradesperson in an Engineering/Manufacturing Training centre including industry standard equipment such as Engine Lathes, Milling Machines, industrial welders, measurement equipment & a surface grinder. Students have a choice to engineer and manufacture a frame and components for a Go-Kart or build a tool kit which is designed to support students during the interview process for an apprenticeship. Students who complete the course will receive Nationally Recognised Competencies and will have the opportunity the following year to continue on with more advanced Engineering qualifications.</p> <p>Information provided about this course may be subject to change.</p>		
Pathways	none		
Entry Requirements	This Engineering course is open to all students, both male and female who are 15 years of age and above.		
Other Requirements	Boots, safety glasses and overalls (navy) must be provided by and paid for by students.		
Delivery Location(s)	Birdwood High School, Shannon Street, Birdwood, SA, 5234		
Dates and Times	32 weekly sessions at Birdwood High School on Wednesdays from 08:45 until 15:15. Commencement date 05/02/20.		
Work Placement	10 days		
SACE Details	SACE Stage 1, 40 SACE credits		
Units Of Competency	Core	MEM13014A MEM14004A MEM15024A MEM16007A	Apply principles of occupational health and safety in the workplace environment (10 nominal hours) Plan to undertake a routine task (10 nominal hours) Apply quality procedures (10 nominal hours) Work with others in a manufacturing, engineering or related environment (10 nominal hours)
	Elective	MEM11011B MEM03003B MEM07032B MEM05012C MEM15002A MEM12023A MEM16006A MEM16008A MEM18001C MEM18002B	Undertake manual handling (20 nominal hours) Perform sheet and plate assembly (40 nominal hours) Use workshop machines for basic operations (20 nominal hours) Perform manual metal arc welding (20 nominal hours) Apply quality systems (20 nominal hours) Perform engineering measurements (30 nominal hours) Organise and communicate information (20 nominal hours) Interact with computing technology (20 nominal hours) Use hand tools (20 nominal hours) Use power tools/hand held operations (20 nominal hours)
			Nominal hours are used for SACE purposes and are not reflective of actual delivery hours
Training Cost	\$2,500.00 GST exempt Non-member schools - an additional 15% admin levy up to a maximum of \$250.00 per student These fees may vary in 2019		
Other Costs	None		
Number Of Students	Minimum	12	
	Maximum	15	
Contact Person	Ms Rachel Brennan, Phone 85685100, Email Rachel.Brennan136@schools.sa.edu.au		