

## Course Details - MEM20105 Certificate II in Engineering (Murray Bridge High School)

MSP Title	Certificate II Engineering		
Qualification	MEM20105 Certificate II in Engineering		
RTO	TAFE SA (National Code 41026)		
Host Organisation	Murray Bridge High School		
Course Length	2 semesters (1 year)		
Course Description	The full year 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.		
Pathways	Engineering Tradesperson / Toolmaker / Welder / Mechanical engineer / Fitter and Turner		
Entry Requirements	Completion of Year 10 English and Maths		
Delivery Location(s)	TAFE SA Murray Bridge Campus, 52-68 Swanport Road, Murray Bridge, SA, 5253 Students will attend Unity College for a majority of the course delivery		
Dates and Times	40 weekly sessions at TAFE SA Murray Bridge Campus on Wednesdays from 08:45 until 15:30. Commencement date 29/01/20.		
Work Placement	20 days As per TGSS agreement		
SACE Details	SACE Stage 1, 40 SACE credits Some results may be recorded at SACE Stage 2		
Units Of Competency	Core	MEM13014A MSAENV272B MEMPE005A MEMPE006A	Apply principles of occupational health and safety in the work environment (10 nominal hours) Participate in environmentally sustainable work practices (30 nominal hours) Develop a career plan for the engineering and manufacturing industry (20 nominal hours) Undertake a basic engineering project (80 nominal hours)
	Elective	MEM18001C MEM18002B MEM03003B MEMPE001A MEMPE002A MEMPE003A MEMPE004A MEMPE007A MEM05049B MSAPMSUP106A MEM12023A	Use Hand Tools (20 nominal hours) Use Power Tools/Hand Held Operations (20 nominal hours) Perform sheet and plate assembly (40 nominal hours) Use engineering workshop machines (60 nominal hours) Use electric welding machines (40 nominal hours) Use oxy-acetylene and soldering equipment (40 nominal hours) Use fabrication equipment (40 nominal hours) Pull apart and reassemble engineering mechanisms (30 nominal hours) Perform routine gas tungsten metal arc welding (20 nominal hours) Work in a team (30 nominal hours) Perform engineering measurements (30 nominal hours)
	Nominal hours are used for SACE purposes and are not reflective of actual delivery hours Competencies may not necessarily be delivered in order; some units may be delivered from Certificate III Engineering in the 2nd year of the course.		
Training Cost	\$1,800.00 GST exempt \$1800 per Semester Fee for Service, the course is currently covered under a TGSS for student 16 and over.		
Other Costs	\$150.00 including GST Students are responsible for the other costs associated with the course - materials and uniform shirt		
Number Of Students	Minimum 12 Maximum 20		
Contact Person	Ms Roxanne Rowland, Email <a href="mailto:Roxanne.Rowland958@schools.sa.edu.au">Roxanne.Rowland958@schools.sa.edu.au</a>		