



Course Details – MEM20422 Certificate II in Engineering Pathways

Title	Engineering Pathways FIP
Qualification	MEM20422 Certificate II in Engineering Pathways
RTO	Adelaide Training & Employment Centre Inc. (RTO Code 0022)
Course Length	2 semesters (1 year)
Course Description	This qualification is intended for people interested in exposure to an engineering or related working environment with a view to entering into employment in the area. It will equip graduates with knowledge and skills which will enhance their prospects of employment in an engineering or related working environment.
Pathways	This qualification delivers broad-based underpinning skills and knowledge in a range of engineering and manufacturing tasks which will enhance the graduates' entry-level employment prospects for apprenticeships, traineeships or general employment in an engineering-related workplace.
Entry Requirements	Genuine interest in the Engineering Industry and sound literacy and numeracy skills. Students may need to have completed their National White Card training which is the regulatory authority requirement before entry to a work site is permitted. CPCWHS1001 Prepare to work safety in the construction industry (6 nominal hours).
Other Requirements	Students must supply their own steel capped boots and appropriate, non-flammable trade pants and Hi-Vis shirts. Hi-Vis work shirts are to be worn and visible at all times while on site.
Delivery Location	ATEC Lonsdale & Wirreanda Secondary School
Dates and Times	Up to 38 weekly sessions at ATEC and WSS on one day a week from 08:45 until 15:15. School holidays are used for the structured workplace learning requirements. Commencement week two of term one. Resulting completed by week five of term four with up to week eight if required.
Work Placement	All students are encouraged to organize and participate in Structured Workplace Learning in industry settings. The 10 days or 70 hours of SWL should be completed by the end of Term 3 holidays.
SACE Details	SACE Stage 1, 50 SACE credits
Units Of Competency	<p>Core units</p> <p>MEM13015 Work safely and effectively in manufacturing and engineering</p> <p>MEMPE005 Develop a career plan for engineering and manufacturing industries</p> <p>MEMPE006 Undertake a basic engineering project</p> <p>MSMENV272 Participate in environmentally sustainable work practices</p> <p>Elective units</p> <p>MEMPE002 Use electric welding machines</p> <p>MEM11011 Undertake manual handling</p> <p>MEMPE004 Use fabrication equipment</p> <p>MEMPE007 Pull apart and re-assemble engineering mechanisms</p> <p>MEM16006 Organise and communicate information</p> <p>MSMSUP106 Work in a team</p> <p>MEM18001 Use hand tools</p> <p>MEM18002 Use power tools/hand held operations</p>
Training Cost	\$250 Training Fee & \$400 Materials Fee per student
Students	Minimum 10 Maximum 15
Orientation Details	Orientation is undertaken on the first training day 2026
Contact Person	Nick Soulsby 0403 050 571 nicks@atec.asn.au