



RTO
RTO No: 90413

Manufacturing and Engineering – Introduction



MEM10119 Certificate I in Engineering SOA MEM20413 Certificate II in Engineering Pathways

Course Structure			Delivery Period: 2021-2022			
Units of Competency to be Delivered (approved by the AIS NSW RTO) Units are correct at time of printing						
Unit Code	Unit Title	AQF Status	Points	HSC Status	HSC Hrs	Timing
	Qualification Rules	1 Core (14) Elective Points			Indicative Hours	
MEM10119 Certificate I in Engineering						
MEM13015	Work safely and effectively in manufacturing and engineering	Core	2	Core	40	Year 11
MEM12023	Perform engineering measurements <i>Pre-requisites: MEM13015 MEM16006</i>	Elective (A)	5	Elective	20	Year 11/12
MEM16006	Organise and communicate information <i>Pre-requisites: MEM13015</i>	Elective (A)	2	Elective	15	Year 11
MEM11011	Undertake manual handling <i>Pre-requisites: MEM13015 MEM16006</i>	Elective (A)	2	Elective	5	Year 11
MEM07032	Use workshop machines for basic operations <i>Pre-requisites: MEM11011 MEM13015 MEM16006 MEM18001</i>	Elective (A)	2	Elective	20	Year 11/12
MEM18001	Use Hand tools <i>Pre-requisites: MEM11011 MEM13015 MEM16006</i>	Elective (A)	2	Elective	20	Year 11
MEM05005	Carry out mechanical cutting <i>Pre-requisites: MEM11011 MEM12023 MEM13015 MEM16006 MEM18001</i>	Elective (A)	2	Elective	10	Year 11
MEM18002	Use power tools/hand held operations <i>Pre-requisites: MEM11011 MEM13015 MEM16006</i>	Elective (A)	2	Elective	20	Year 11
			19		150	
SOA MEM20413 Certificate II in Engineering Pathways						
MEMPE006A	Undertake a basic engineering project	Core	-	Core	30	Year 12
MEMPE005A	Develop a career plan for the engineering and manufacturing industry	Core	-	Core	5	Year 12
MEMPE004A	Use fabrication equipment	Elective (A)	-	Elective	20	Year 12
MEMPE002A	Use electric welding machines	Elective (A)	-	Elective	20	Year 12
MSAENV272B	Participate in environmentally sustainable work practices	Core	-	Core	15	Year 12
					90	
Possible outcome: MEM10119 Certificate I in Engineering and SOA MEM20413 Certificate II in Engineering Pathways					240	

Uniform, Personal Protective Equipment, Tools and Resources

All Work specific safety gear provide by the School and included in the course fee

Further Information

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