

# MEM40422 – Certificate IV in Engineering Drafting

This qualification consists of **4 core** and **11 elective** competencies. On successful completion of all **15 units**, you will receive a **Certificate IV in Engineering Drafting**. Students should **NOT** enrol in to more than one unit at a time, unless otherwise advised. For distance enrolments, you will have up to six months to complete each unit from the date of enrolment. For On Campus enrolments; either 15 weeks, or 25 weeks per unit.

POS (Preferred Order of Study) - The first column is the recommended order of study

- The second column marks units that can be done anytime outside of the recommended order of study as long as pre-requisites are met and they are completed in marked order (1-4)

POS		Unit Code	Unit Name	Pre-requisite	Unit Type	Duration		Location			
						On Campus	Distance	Acacia Ridge	Bracken Ridge	Eagle Farm	Distance
		Enrol into one unit at a time, unless approved by teacher				On Campus	Distance	Acacia Ridge	Bracken Ridge	Eagle Farm	Distance
1		MEM13015	Work safely and effectively in manufacturing and engineering		Elective A	15 weeks	6 months (eLearning)	✓	✓	✓	✓
2	● (1)	MEM09229	Read and interpret technical engineering drawings		Elective A	15 weeks		✓	✓	✓	✓
3		MEM16006	Organise and communicate information	MEM13015	Core	15 weeks		✓	✓	✓	✓
4		MEM12023	Perform engineering measurements	MEM13015, MEM16006	Elective A	15 weeks		✓	✓	✓	✓
5		MEM16008	Interact with computing technology	MEM13015, MEM16006	Core	15 weeks		✓	✓	✓	✓
6	● (2)	MEM30031	CAD system basic draw element		Elective A	15 weeks		✓	✓	✓	✓
7	● (3)	MEM30033	Use CAD create display 3D models	MEM30031	Elective A	15 weeks		✓	✓	✓	✓
8	● (4)	MEM30032	Produce basic engineering draw		Elective A	25 weeks		✓	✓	✓	✓
9		MEM12024	Perform computations	MEM13015, MEM16006	Elective B	15 weeks		✓	✓	✓	✓
10		MEM30012	Apply mathematical techniques in a manufacturing engineering or related environment	MEM12024*	Core	25 weeks		✓	✓	✓	✓

\* It is a requirement by TAFE faculty that unit MEM12024 is completed prior to undertaking unit MEM30012.

# MEM40422 – Certificate IV in Engineering Drafting

This qualification consists of **5 core** and **15 elective** competencies. On successful completion of all **20 units**, you will receive a **Diploma of Engineering - Technical**. *Students should **NOT** enrol in to more than one unit at a time, unless otherwise advised.* For distance enrolments, you will have up to six months to complete each unit from the date of enrolment. For On Campus enrolments; either 15 weeks, or 25 weeks per unit.

POS (Preferred Order of Study) - The first column is the recommended order of study

- The second column marks units that can be done anytime outside of the recommended order of study as long as pre-requisites are met and they are completed in marked order (1-4)

POS	Unit Code	Unit Name	Pre-requisite	Unit Type	Duration		Location				
					On Campus	Distance	Acacia Ridge	Bracken Ridge	Eagle Farm	Distance	
		Enrol into one unit at a time, unless approved by teacher									
11	MSMENV272	Participate in environmentally sustainable work practices		Core	15 weeks		✓	✓	✓	✓	
12	MEM09204	Produce basic engineering detail drawings	MEM09229 MEM30031A* MEM30032A* MEM30033A*	Elective A	25 weeks	6 months (eLearning)	✓	✓	✓	✓	
13	MEM09210	Create 3-D solid models using computer-aided design (CAD) system	MEM09229, MEM30031	Elective A	25 weeks		✓	✓	✓	✓	
14	MEM09220	Apply surface modelling techniques to 3-D drawings	MEM09229, MEM30031	Elective A	25 weeks		✓	✓	✓	✓	
15	MEM09221	Create 3-D model assemblies using computer-aided design (CAD) system	MEM09229, MEM30031	Elective A	25 weeks		✓	✓	✓	✓	

\* It is a requirement by TAFE faculty that units MEM30031, MEM30032 and MEM30033 are completed prior to undertaking unit MEM09204.