

**Diploma in Mechanical Engineering With Technology (DDT)**  
**Faculty of Mechanical and Manufacturing Engineering**

YEAR	CODE	SEMESTER I	CREDIT	CODE	SEMESTER II	CREDIT	CODE	SEMESTER III	CREDIT	
		SUBJECTS			SUBJECTS			SUBJECTS		
1	UMS 1133	Pengantar Kenegaraan dan Pembangunan Malaysia/	3	UMA 1172	Pengantar Pengajian Islam/	2				
	UMS 1143	Malaysia Studies and Culture		UMA 1142	Pengajian Moral					
	UMB 1112	Technical Communication I	2	UMB 1122	Technical Communication II	2				
	UQ* 1**1	Co-curriculum	1	UM* 1312	Foreign Language	2				
	DSM 1913	Mathematics I	3	DSM 1923	Mathematics II	3				
	DSF 1963	Physics I	3	DSF 1973	Physics II	3				
	DSK 1913	Chemistry	3	DDA 1013	Static	3				
	DD* 1013	Technology Practice * I	3	DD* 1023	Technology Practice * II	3				
	UMB 1011	English For Academic Purposes	1							
			19			18				
2	UMA 3032	Akidah Ketuhanan & Sains	2	DSM 2913	Mathematics III	3				
	DDA 2012	Suopervisory Skills	2	DDA 2092	Dynamics	2				
	DDA 3052	Engineering Drawing	2	DDA 2063	Mechanics of Solids	3				
	DDA 2022	Thermodynamics	2	DDA 2073	Engineering Materials Selection	3				
	DDA 2033	Engineering Laboratory I	3	DDA 2721	Engineering Laboratory II	1				
	DDA 2711	Safety Engineering and Maintenance	1	DD* 2023	Technology Practice * IV	3				
	DDA 2043	Material Science	3	DDD 2**3	Technology Elective * I	3				
	DD* 2013	Technology Practice * III	3							
			18			18				
3	DDA 3023	CAD	3	DTI 2143	Pengaturcaraan komputer	3				
	DSM 2932	Engineering Statistics	2	DDA 3013	Industrial Engineering Design	3				
	DDA 3033	Fluid Mechanics	3	DDA 3913	Engineering Technology Project	3	DDA	Industrial Training (3 months/ 12 weeks)	6	
	DDA 3711	Engineering Laboratory III	1	DPK 2013	Asas Perniagaan & Keusahawanan	3	3816			
	DDA 3043	Mechanics of Machines	3	DKE 3173	Asas Elektrik & Elektronik	3				
	DDD 2**3	Technology Elective * II	3	DD* 2**3	Technology Elective * IV	3				
	DD* 2**3	Technology Elective * III	3							
			18			18				
										6
<b>TOTAL CREDIT</b>									<b>115</b>	

**SUBJECTS FOR TECHNOLOGY PRACTICE**

Kod	Mata Pelajaran	Kod	Mata Pelajaran
DDE 1013 / 1023 / 2013 / 2023	Automotive Technology Practice I / II / III / IV	DDF 1013 / 1023 / 2013 / 2023	Plant Technology Practice I / II / III / IV
DDB 1013 / 1023 / 2013 / 2023	Textile Technology Practice I / II / III / IV	DDC 1013 / 1023 / 2013 / 2023	Packaging Technology Practice I / II / III / IV
DDD 1013 / 1023 / 2013 / 2023	Manufacturing Technology Practice I / II / III / IV		

**AUTOMOTIVE ELECTIVE**

KOD	MATA PELAJARAN	KREDIT
DDE 2033	Chassis System	3
DDE 2043	Transmission and Tramsaxle System	3
DDE 2053	Automotive Workshop Managemant	3
DDE 2063	Electric and Computer Control In Automotive	3
DDE 2073	Internal Combustion Engine	3
DDE 2083	Vehicle Air-Conditioning	3
DDE 2093	Combustion and Emission Control	3

**TEXTILE ELECTIVE**

KOD	MATA PELAJARAN	KREDIT
DDB 2033	Yarn Technology	3
DDB 2043	Weaving Technology	3
DDB 2053	Knitting Technology	3
DDB 2063	Textile Dyeing & Finishing Technology	3
DDB 2073	Non Woven, Printing & Embroidery Technology	3
DDB 2083	Textile Testing	3

**MANUFACTURING ELECTIVE**

KOD	MATA PELAJARAN	KREDIT
DDD 2033	Rekabentuk dan CAE	3
DDD 2043	Metrologi & Pengukuran	3
DDD 2053	Kawalan Kualiti	3
DDD 2063	Pneumatik & Hidraulik	3
DDD 3323	Tuangan Logam	3
DDD 3623	Prototaip Deras	3

**PLANT ELECTIVE**

KOD	MATA PELAJARAN	KREDIT
DDF 2033	Safety Engineering	3
DDF 2043	Boiler Safety	3
DDF 2053	Plant Engineering	3
DDF 2063	Process Control Systems of Steam Power Plant	3
DDF 2073	Applied Thermodynamics	3
DDF 2083	Air Conditioning System Design	3

**PACKAGING ELECTIVE**

KOD	MATA PELAJARAN	KREDIT
DDC 2033	Principles of Packaging Engineering	3
DDC 2043	Packaging Machinerics and Operation	3
DDC 2053	Paper Packaging System	3
DDC 2063	Plastic, Glass and Metal Packaging System	3
DDC 2073	Packaging Dynamic & Distribution	3
DDC 2083	Packaging Development System	3