

PROGRAMME STRUCTURE FOR DIPLOMA IN MECHANICAL ENGINEERING

COMPONENTS	COURSE CODE	COURSE	CONTACT HOURS			CREDIT
			L	P	T	
SEMESTER 1						
Compulsory	DUB1012	Pengajian Malaysia	1	0	2	2
	DUE1012	Communicative English 1	1	0	2	2
	DRB1XX0	Asas Unit Beruniform	0	2	0	0
Common Core	DUW1012	Occupational, Safety and Health	2	0	0	2
	DBM1013	Engineering Mathematics 1	2	0	2	3
	DBS1012	Engineering Science	2	1	0	2
Discipline Core	DJJ1012	Engineering Drawing	1	2	0	2
	DJJ1032	Mechanical Workshop Practice 1	0	4	0	2
	DJJ1043	Workshop Technology	3	0	0	3
		TOTAL	27			18
SEMESTER 2						
Compulsory	DUA2012	Sains, Teknologi dan Kejuruteraan Dalam Islam *	1	0	2	2
	DUB2012	Nilai Masyarakat Malaysia **	1	0	2	2
	DRS2XX1	Sukan	0	2	0	1
	DRB2XX1	Unit Beruniform 1	0	2	0	1
Common Core	DBM2013	Engineering Mathematics 2	2	0	2	3
Discipline Core	DJJ2022	Electrical Technology	2	2	0	2
	DJJ2032	Mechanical Workshop Practice 2	0	4	0	2
	DJJ2062	Computer Aided Design 1	1	2	0	2
	DJJ2073	Thermodynamics	2	2	0	3
	DJJ2093	Fluid Mechanics	2	2	0	3
		TOTAL	26			18
SEMESTER 3						
Compulsory	DUE3012	Communicative English 2	1	0	2	2
	DRK3XX2	Kelab/Persatuan	0	4	0	2
	DRB3XX2	Unit Beruniform 2	0	4	0	2
Common Core	DBM3013	Engineering Mathematics 3	2	0	2	3
Discipline Core	DJJ3032	Mechanical Workshop Practice 3	0	4	0	2
	DJJ3053	Engineering Mechanics	2	2	0	3
	DJJ3103	Strength of Materials	2	2	0	3
	DJJ3213	Material Science	2	2	0	3
		TOTAL	23			18
SEMESTER 4						
	DUT40110	Industrial Training	0	0	0	10
			0			10
SEMESTER 5						
Compulsory	DUE5012	Communicative English 3	1	0	2	2
	DJJ5032	Mechanical Workshop Practice 4	0	4	0	2
	DJJ5113	Mechanics of Machines	2	2	0	3

COMPONENTS	COURSE CODE	COURSE	CONTACT HOURS			CREDIT
			L	P	T	
Discipline Core	DJJ5123	Pneumatic and Hydraulic	2	2	0	3
	DJJ5133	Engineering Design	3	0	0	3
	DJJ5141	Project 1	0	2	0	1
Elective		Elective ***	1	2	0	2
	DJJ5062	Computer Aided Design 2	1	2	0	2
	DJJ5172	Instrumentation and Control	1	2	0	2
	DJM5072	Control System	2	1	0	2
TOTAL			23			16
SEMESTER 6						
Compulsory	DUA6022	Komunikasi dan Penyiaran Islam	1	0	2	2
Common Core	DPB2012	Entrepreneurship	2	1	0	2
Discipline Core	DJJ6143	Project 2	0	4	0	3
	DJJ6153	Mechanical Components and Maintenance	2	2	0	3
	DJJ6162	Maintenance Engineering and Management	2	0	0	2
Elective		Elective***	2	0	0	2
	DJJ6202	Diagnosis and Troubleshooting For Mechanical Component	1	2	0	2
	DJF6102	Quality Control	2	0	0	2
	DJJ6182	Engineering Plant Technology	2	0	0	2
	DJJ6192	Industrial Management	2	0	0	2
	DJM1022	C Programming	1	3	0	2
	DJM3082	Programmable Logic Control	1	2	0	2
	DUA6042	Tamadun Islam	2	0	1	2
	DUA6012	Integrasi Malaysia	1	0	2	2
DBC2012	Computer Application	1	2	0	2	
TOTAL			18			14

	Total Credit	%
i. Compulsory	15	16%
ii. Common Core	15	16%
iii. Discipline Core	50	53%
iv. Elective	4	4%
v. Industrial Training	10	11%
TOTAL CREDIT	94	100%

	Total	%
i. Lecture	49	42
ii. Practical (Practical+Tutorial)	68	58
iii. Contact Hours	117	-

Legend / Notes:

L : Lecture, **P** : Practical/Lab, **T** : Tutorial, **C** : Credit

(The numbers indicated under L, P & T represent the contact hours per week, to be used as a guide for time table preparation)

* For Muslim Students

** For Non Muslim Students

*** Students are required to complete a minimum of four credits of elective course

For Co-curriculum.

1. Path 1 : Sport and Club
2. Path 2 : Uniform Unit

Uniform Unit (Students who choose Uniform Unit are required to complete 5 modules for commissioning)

1. DRB1XX0 (Asas Unit Beruniform) is a prerequisite to DRB2xx1 (Unit Beruniform 1).
2. DRB2XX1 and DRB3XX2 are graded.
3. DRB5XX0 and DRB6XX0 are optional, non-graded and audited courses with full assessment. Upon completion, students are entitled for commissioning.