

**PROGRAMME STRUCTURE FOR DIPLOMA IN MECHANICAL ENGINEERING
(PACKAGING)**

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 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
	DJJ2062	Computer Aided Design 1	1	2	0	2
	DJJ2073	Thermodynamics	2	2	0	3
	DJJ2093	Fluid Mechanics	2	2	0	3
		TOTAL	24			16
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
	DPB2012	Entrepreneurship	2	1	0	2
Discipline Core	DJJ3053	Engineering Mechanics	2	2	0	3
	DJJ3103	Strength Of Materials	2	2	0	3
Specialization	DJP3013	Packaging Principles	3	0	0	3
		TOTAL	25			18
SEMESTER 4						
	DUT40110	Industrial Training	0	0	0	10
			0			10
SEMESTER 5						

COMPONENTS	COURSE CODE	COURSE	CONTACT HOURS			CREDIT
			L	P	T	
Compulsory	DUE5012	Communicative English 3	1	0	2	2
Discipline Core	DJJ5123	Pneumatic & Hydraulics	2	2	0	3
Specialization	DJP5022	Packaging Workshop Practice 1	0	4	0	2
	DJP5033	Packaging Design	2	2	0	3
	DJP5043	Packaging Material & Manufacturing	2	2	0	3
	DJJ5141	Project 1	0	2	0	1
		Elective 1 ***	1	2	0	2
	DJJ5062	Computer Aided Design 2	1	2	0	2
	DJJ5172	Instrumentation and Control	1	2	0	2
		TOTAL	24			16
SEMESTER 6						
Compulsory	DUA6022	Komunikasi dan Penyiaran Islam	1	0	2	2
Specialization	DJP6022	Packaging Workshop Practice 2	0	4	0	2
	DJP6052	Printing For Packaging	2	0	0	2
	DJP6062	Packaging Line Operation	2	0	0	2
	DJP6073	Applied Packaging	3	0	0	3
	DJJ6143	Project 2	0	4	0	3
Elective		Elective 2***	2	0	0	2
	DJF6102	Quality Control	2	0	0	2
	DJJ6192	Industrial Management	2	0	0	2
	DUA6042	Tamadun Islam	2	0	1	2
	DUA6012	Integrasi Malaysia	1	0	2	2
	DBC2012	Computer Application	1	2	0	2
		TOTAL	20			16

	Total Credit	%
i. Compulsory	15	16%
ii. Common Core	15	16%
iii. Discipline Core	26	28%
iv. Specialization	24	26%
v. Elective	4	4%
vi. Industrial Training	10	11%
TOTAL CREDIT	94	100%

	Total	%
i. Lecture	52	43
ii. Practical (Practical+Tutorial)	68	57
iii. Contact Hours	120	100

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.