

BEng (Hons) Mechanical

PROGRAMME STRUCTURE (4-year for June Intake 2008/2009 onwards)

	5 th YEAR			6 th YEAR			7 th YEAR			8 th YEAR		
	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
CORE	Engineering Mathematics I 3	Materials Science 3	Engineering Mathematics II 3	Engineering Mathematics III 3	Engineering Design I 3	Mechanics of Materials 3	Theory of Machines 3	Manufacturing & Operations Management 3	Heat Transfer 3	Industrial Training 5	Project 4	Project 4
	Basic Electrical Technology 3	Engineering Graphics I 3	Workshop Technology 3	Fluid Mechanics 3	Microprocessor Systems and Interfacing 3	Engineering Design II 3	Fluid Dynamics 3		Computational Methods for Mechanical Engineering 3			Mechanical Vibrations 3
	Applied Statics 3		Strength of Materials 3	Introduction to Electrical Power and Machines 3		Measurement & Instrumentation 3	CAD/CAM 3		Industrial Management 3			
	Principles of Thermodynamics 3		Engineering Graphics II 3	Materials Engineering 3		Applied Thermodynamics 3			Control Engineering 3			
	Computer and Program Design 3		Applied Dynamics 3									
ELECTIVE*							Mini Project 3				Quality Management 3	Tribology 3
							Industrial Ergonomics 3				Energy Technologies 3	Operations Research 3
							Internal Combustion Engines 3				Finite Element Method 3	Computational Fluid Dynamics Vibrations 3
											Fluid Power 3	Robotics and Automation 3
				Islamic Studies / Moral Studies 3		Technical Communications 3	Law for Engineers 3	Malaysian Studies 3	Engineer & Society 3			
ARTS & HUMANITIES (Must take 11 or credit hours)			Basic Economics, Accounting & Management 3					**Bahasa Kebangsaan A / Bahasa Kebangsaan B / Foreign Language 3				Introduction to Cyberpreneurship 1
	15	6	15	16	6	15	15	6	18	5	7	13

* Elective Subjects are Subject to change by the faculty
 Elective 1 (trimester 1 of z year) : Choose 1 subject
 Elective 2 (trimester 2 of z year) : Choose 1 subject
 Elective 3 (trimester 3 of z year) : Choose 1 subject

** Bahasa Kebangsaan A/B/Foreign Language
 Malaysians who have fulfilled the Bahasa Malaysia requirement (either having passed Bahasa Malaysia with a credit at SPM level, or having passed the MPW2113 Bahasa Kebangsaan A during FOSEE/Diploma or other previous studies) shall be required take a 3CH foreign language subject. They shall only take a foreign language course which is not their native language an

id they have no formal education in. International students are to choose a foreign language which is not their native language and which they have no formal education in but they are highly encouraged to take up MPW2123 - Bahasa Keba

BEng (Hons) Mechanical

PROGRAMME STRUCTURE (4-year for June Intake 2008/2009 onwards)

	β YEAR			γ YEAR			δ YEAR			ε YEAR		
	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
CORE	Engineering Mathematics I 3	Materials Science 3	Engineering Mathematics II 3	Engineering Mathematics III 3	Engineering Design I 3	Mechanics of Materials 3	Theory of Machines 3	Manufacturing & Operations Management 3	Heat Transfer 3	Industrial Training 5	Project 4	Project 4
	Basic Electrical Technology 3	Engineering Graphics I 3	Workshop Technology 3	Fluid Mechanics 3	Microprocessor Systems and Interfacing 3	Engineering Design II 3	Fluid Dynamics 3		Computational Methods for Mechanical Engineering 3			Mechanical Vibrations 3
	Applied Statics 3		Strength of Materials 3	Introduction to Electrical Power and Machines 3		Measurement & Instrumentation 3	CAD/CAM 3		Industrial Management 3			
	Principles of Thermodynamics 3		Engineering Graphics II 3	Materials Engineering 3		Applied Thermodynamics 3			Control Engineering 3			
	Computer and Program Design 3		Applied Dynamics 3									
ELECTIVE*							Mini Project 3				Quality Management 3	Tribology 3
							Industrial Ergonomics 3				Energy Technologies 3	Operations Research 3
							Internal Combustion Engines 3				Finite Element Method 3	Computational Fluid Dynamics, Vibrations 3
											Fluid Power 3	Robotics and Automation 3
				Islamic Studies / Moral Studies 3		Technical Communications 3	Law for Engineers 3	Malaysian Studies 3	Engineer & Society 3			
ARTS & HUMANITIES			Basic Economics, Accounting & Management 3					**Bahasa Kebangsaan A / Bahasa Kebangsaan B / Foreign Language 3				Introduction to Cyberpreneurship 1
Total (139 credit hours)	15	6	15	18	6	15	15	6	18	5	7	13

* Elective Subjects are Subject to change by the faculty
 Elective 1 (trimester 1 of δ year) : Choose 1 subject
 Elective 2 (trimester 2 of ε year) : Choose 1 subject
 Elective 3 (trimester 3 of ε year) : Choose 1 subject

** Bahasa Kebangsaan A/B/Foreign Language
 Malaysians who have fulfilled the Bahasa Malaysia requirement (either having passed Bahasa Malaysia with a credit at SPM level; or having passed the MPW2113 Bahasa Kebangsaan A during FOSEE/Diploma or other previous studies) shall be required take a 3CH foreign language subject. They shall only take a foreign language course which is not their native language and the

They have no formal education in. International students are to choose a foreign language which is not their native language and which they have no formal education in but they are highly encouraged to take up MPW2123 - Bahasa Keb