

B.Eng. (Hons) Electronics majoring in Nanotechnology: March 2019/2020 Intake Onwards

	β YEAR						γ YEAR						δ YEAR						ε YEAR					
	TRI-3 Short - Feb		TRI-1 Long - June		TRI-2 Long - Oct		TRI-3 Short - Feb		TRI-1 Long - June		TRI-2 Long - Oct		TRI-3 Short - Feb		TRI-1 Long - June		TRI-2 Long - Oct		TRI-3 Short - Feb		TRI-1 Long - June		TRI-2 Long - Oct	
CORE	Digital Logic Design	3	Engineering Mathematics I	3	Engineering Mathematics II	3	Data Communications and Networking	3	Engineering Mathematics III	3	Solid State Electronics	3	Industrial Mathematics	3	Digital Integrated Circuits	3	Advanced Fabrication Technology	3	Industrial Training	5	Project	4	Project	4
			Electronics I	3	Electronics II	3	Electronics III	3	Circuits and Signals	3	Computer Organization and Architecture	3	Control Theory	3	Diagnostic Technology	3	Semiconductor Devices	3			Nanoelectronic Materials and Devices	3	N/MEMS	3
			Circuit Theory	3	Introduction to Machines and Power Systems	3			Electromagnetic Theory	3	Microelectronic Circuit Analysis and Design	3					Nano-Science	3			Optoelectronics Devices	3		
			Field Theory	3	Instrumentation and Measurement Techniques	3			Microcontroller and Microprocessor Systems	3	Advanced Microprocessor						Capstone Project	3						
			Computer and Program Design	3	Algorithms and Data Structures	3			Analog and Digital Communications	3														
ELECTIVE*											Advanced Microprocessors	3			Multimedia Technology & Applications	3								
											Embedded IoT Systems and Application	3			AI System & Application	3								
											Cybersecurity	3			Power Electronics	3								
ARTS & HUMANITIES											Workplace Communications	3			Engineer and Society	3	Project Management	1			TITAS (local)/ Bahasa Melayu Komunikasi 2 (international) U1	3	U3	3
															Law for Engineers	3	Hubungan Etnik (local)/ Pengajian Malaysia 3 (international) U1	3			Bahasa Kebangsaan A/ Foreign Language** U2	3	Co-Curriculum U4	2

*Elective subjects are subjected to change by the faculty
 Elective 1 (Trimester 2 of gamma year): Choose 1 subject
 Elective 2 (Trimester 1 of delta year): Choose 1 subject

** Malaysians who have fulfilled the Bahasa Malaysia requirement (either having passed Bahasa Malaysia with a credit at SPM level; or having passed the MPU3213 Bahasa Kebangsaan A) shall be required to take a 3CH MPU U2 subject. Student who opt to take a foreign language course within the MPU U2 category must ensure that he/she does not have formal education in the chosen foreign language.

SUBJECT CODE	SUBJECT NAME	CH
MPU-U2 (FOM)		
MPU3213	Entrepreneurship In Cross Border E-Commerce	3
MPU3212	Business And Entrepreneurship In Malaysia	3

SUBJECT CODE	SUBJECT NAME	CH
MPU-U3		
MPU3353	Introduction to Malaysian Economy	3
MPU3313	Islamic Institutions In Malaysia	3
MPU3323	Introduction to Multicultural Studies in Malaysia	3
MPU3333	Stress and Well-Being Among Malaysians	3