BACHELOR OF
MECHATRONIC ENGINEERING TECHNOLOGY (ROBOTIC)
WITH HONOURS – 140 CREDIT



YEAR			Y1	Y2	Y3	Y4	
SEMESTER			SEM I & SEM II	SEM I & SEM II	SEM I & SEM II	SEM 1	SEM II
COURSE CATEGORY	FACULTY (CORE / ELECTIVE1)		BTI1133 Manufacturing Processes BTI1413 Computer Aided Design BTI1523 Electrical & Electronics BTI1212 Statics BTX1222 Mechanics of Materials BTI2123 Project Mngmt Eng. Economy BCI1103 Computer Programming BTX2433 Computer Simulation	BTX1523 Analgue Eleectronics BTI2412 Comp. Aided Eng. & BTI2213 Dynamics BTX2633 Machine Design BTI3513 Digital Electronics BTX2013 Softw are Development BTI2622 Microcontroller	BTI3523 Sensor & Instr. System BTI3503 Electrical Drive System BTI3402 Machine Learning BTI3603 Control System Engineering BTX3463 Artificial Intelligence BTI3821 Internship Preparation BTX2643 Robotic System Modelling BTX3612 Industrial IOT BTx3xx3 Elective 1 BTx3xx3 Elective 2 BTx3xx3 Elective 3 BTx3xx3 Elective 4	BTI4812 Industrial Training (Work-based Learning (WBL) - min. 111 credit (Industrial Attachment))	BTI4122 Professional Practice & Ethics BTI4113 Occupational Safety & Health BTI3122 Fundamental of IR4.0
	FACULTY (LAB-BASED / PROJECT-BASED)			BTX2143 Rapid Prototyping & Manufac.	BTI3623 Capstone		BTI4710 Final Year Project
	UNIVERSITY (CORE / COMMON)	MPU	UQA2**2 Co-Curriculum (min 8 CATS) UHC1112 Falsafah & Cabaran Semasa / UHC1132 Citra Malaysia UHC1142 *Kursus Integriti dan Anti-Rasuah*	UHC1312 Adab Insani UGE2002 Technopreneurship UHC1122 Aspirasi Negara Bangsa			
		MATH & SCIENCE	BUM1113 Technical Mathematics BUM1223 Calculus	BUM2113 Applied Mathematics BUM2413 Applied Statistic			
		LANGUAGE & OTHERS	ULE1310 Fundamental of English Language* UL*1312 Foreign Language ULE1322 Eng. for Academic Comm	ULE2342 English for Pro. Comm. ULE2332 English for Tech. Comm.			
TOTAL CREDIT (BY LEVEL)			38	36	37	12	17
TOTAL CREDIT (FOR GRADUATION)			140				

[1] LIST OF ELECTIVE COURSES			
	BTX3523 Autonomous Robotic Sys.	BTI3413 Programming for Engineering Technologist	
	BTI3433 Applied Machine Learning	BTT3733 Simulation of Industrial System	
	BTI3423 Machine Vision	BTT2713 Design for Manufacturing and Assembly	
	BTI3823 Automated Manufact. Sys.	BTI2623 Industrial Automation	