BACHELOR OF MANUFACTURING ENGINEERING TECHNOLOGY (ADVANCED MANUFACTURING) WITH HONOURS

(B. Eng. (Hons.) Manufacturing Engineering Technology) – 140 CREDIT

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 / ELECTIVE[1])		BTT1523 Electrical & Electronics BTT1413 Computer Aided Design BTT1112 Engineering Materials BTI1212 Statics BTT1133 Manufacturing Processes BTT1323 Thermodynamics BCI1103 Computer Programming BTT1122 Industrial Quality Assurance	*1 BTT2213 Dynamics *2 BTT2412 CAEM BTT2313 Fluid Mechanics BTT2713 Design for Man. & Assembly BTT2123 Project Mngmt & Eng. Eco. *3 BTT2622 Microcontroller *1 BTT2223 Strenght of Materials	*5 BTT3523 Sensor & Instr. System *7 BTT3333 CNC Technology BTT2623 Industrial Automation *4 BTT3443 Advanced Manf. Processes BTT2143 Rapid Prototyp & Manufact. BTT3743 Lean Manufact. System BTT3821 Internship Preparation BTT2112 Jigs and Fixtures BTx3xx3 Elective 1 BTx3xx3 Elective 2 BTx3xx3 Elective 3 BTx3xx3 Elective 4	BTT4812 Industrial Training (Work-based Learning (WBL) - min. 111 credit (Industrial Attachment))	BTT4710 Final Year Project BTT4122 Professional Practice & Ethics BTT4113 Occupational Safety & Health BTT3122 Fundamental of IR4.0
	FACULTY (LAB-BASED / PROJECT-BASED)			BTT2121 Material Lab BTT2132 Metrology	*6 BTT3623 Capstone		
	UNIVERSITY (CORE / COMMON)	MPU	UQA2**2 Co-Curriculum (min 8 CATS) UHC1112 Falsafah & Cabaran Semasa / UHC1132 Citra Malaysia UHC1142 *Kursus Integriti dan Anti-Rasuah*	UHC1122 Aspirasi Negara Bangsa UHC1312 Adab Insani UGE2002 Technopreneurship			
		MATH & SCIENCE	BUM1113 Technical Mathematics BUM1223 Calculus	BUM2113 Applied Mathematics BUM2413 Applied Statistic			
		LANGUAGE & OTHERS	ULE1310 Fundamental of English Language* ULE1322 Eng. for Academic Comm UL*1312 Foreign Language	ULE2342 English for Pro. Communication ULE2332 English for Tech. Communication			
TOTAL CREDIT (BY LEVEL)			37	38	36	12	17
TOTAL CREDIT (FOR GRADUATION)			140				

[1]LIST OF ELECTIVE COURSES			
	BTT3823 Automated Manufact. Sys.	BTT3753 Sheet Metal Production	
	BTT3733 Simulation of Industrial System	BTT3763 Mould Technology	
	BTI3413 Programming for Engineering Technologist	BTX2633 Machine Design	
	BTI3423 Machine Vision	BTX2433 Computer Simulation	