No.	Sem.	Course code	Course	Credit Hours	PROGRAMME OUTCOME											
					PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
UNIVERSITY REQUIRED COURSES																
(i) UNGS																
1	III	UNGS 2030	*The Islamic Worldview*	3						/		/			/	
2	V	UNGS 2040	*Islam, Knowledge and Civilization*	3						/		/			/	
3	VI	UNGS 2050	*Ethics and Fiqh for Everyday Life*	3						/		/			/	
4	VIII	GENE 4300	*Engineering Ethics from Islamic Perspective*	3						/	/	/			/	
(ii) LANGUAGES																
5	I	LM 2026 or	*Bahasa Melayu kerjaya (Sains dan Teknology)*	2									/		/	
	I and II	LM 1030 and LM 1031	*Bahasa Melayu I untuk Pelajar Asing*													
			Bahasa Melayu II untuk Pelajar Asing													
6	I	LE 4000	*English for Academic Purposes*	3									/		/	
7	I	TQ 1011	*Tilawah 1*	1								/			/	
8	II	TQ 2011	*Tilawah 2*	1								/			/	
(iii) CO-CURRICULAR																
9	I	CCXX YYYY	*Co-curriculum*	0.5									/	/	/	
10	II	CCXX YYYY	*Co-curriculum*	0.5									/	/	/	
11	III	CCXX YYYY	*Co-curriculum*	0.5									/	/	/	
12	IV	CCXX YYYY	*Co-curriculum*	0.5									/	/	/	
13	V	CCXX YYYY	*Co-curriculum*	0.5									/	/	/	
14	VI	CCXX YYYY	*Co-curriculum*	0.5									/	/	/	
			SUB TOTAL													
KULLIYYAH REQUIRED COURSES																
(i) MATHEMATICS																
15	I	MATH 1310	*Engineering Mathematics 1*	3	/	/										
16	II	MATH 1320	*Engineering Mathematics 2*	3	/	/										
17	III	MATH 2310	*Differential Equations*	3	/	/			/							
18	IV	MATH 2340	*Complex Analysis and Numerical Methods*	3	/	/										
(ii) MANAGEMENT																
19	VI	MANU 3314	*Projects and Operations Management*	3	/	/										/
20	VII	MANU 3318	*Engineering Economics and Management*	3	/	/					/	/				/
21	VIII	MANU 4211	*Technology Entrepreneurship*	2	/					/	/					/
			SUB TOTAL		7	6	0	0	1	1	2	1	0	0	0	2

CORE COURSES																
22	I	EECE 1311	*Electric Circuits*	3	/	/	/									
23	I	MECH 1301	*Statics*	3	/	/										
24	I	MANU 1201	*Engineering Drawing*	2	/	/			/							
25	II	EECE 1101	*Electrical Engineering Lab*	1	/	/	/		/							
26	II	EECE 1312	*Electronics*	3	/	/	/		/							
27	II	EECE 1313	*Programming for Engineers*	2	/	/	/						/			
28	II	MECH 1302	*Dynamics*	3	/	/										
29	II	MANU 1202	*Workshop Technology*	2	/			/	/	/	/	/				
30	III	MCTE 2311	*Signal and System Analysis*	3	/	/	/		/							
31	IIV	MECH 2344	*Thermofluid Engineering*	4	/	/	/									
32	III	MATR 2381	*Materials Science and Engineering*	3	/	/										
33	III	MCTE 2101	*Mechatronics Workshop*	1	/			/	/	/			/	/		
34	IV	MCTE 2102	*Mechatronics Lab I*	1				/	/				/	/		
35	IV	MCTE 2351	*Theory of Machines and Mechanisms*	3	/	/	/		/							
36	IV	MCTE 2331	*Electrical Machines*	3	/	/	/									
37	IV	MCTE 2332	*Digital Systems and Microprocessors*	3	/	/	/		/							
38	IV	MCTE 2333	*Instrumentation and Measurement*	3	/	/	/		/							
39	IV	MCTE 3100	*Seminar*	1		/				/	/	/	/	/	/	
40	V	MCTE 3312	*Control Systems 1*	3	/	/	/		/							
41	V	MCTE 3352	*Design of Machine Elements*	3	/	/	/						/			
42	V	MCTE 3271	*Engineering Design*	2	/	/	/	/	/	/	/	/				
43	V	MCTE 3372	*Engineering System Reliability*	3	/	/	/	/	/	/						
44	V	MCTE 3104	*Mechatronics Interfacing Lab*	1	/	/	/		/				/	/		
45	VI	MCTE 3313	*Control Systems II*	3	/	/	/	/	/							
46	VI	MCTE 3300	*Integrated Design Project*	3			/	/	/	/	/			/	/	
47	VI	MCTE 3373	*Industrial Automation*	3	/	/	/		/							
48	VI	MCTE 3103	*Mechatronics Lab II*	1	/		/		/				/	/		
49		EITR 3561	*Engineering Industrial Training*	5	/	/		/	/	/		/	/	/	/	/
50	VII	MCTE 4105	*Mechatronics Lab III*	1	/	/	/		/	/			/	/		
51	VII	MCTE 4352	*Robotics*	3	/	/	/									
52	VII	MCTE 4398	*Project I*	3		/		/		/	/	/	/		/	
53	VII	MCTE 4334	*Power Electronics and Drives*	3	/	/	/	/	/							
54	VIII	MCTE 4399	*Project II*	3			/	/	/	/	/	/			/	/
55	VIII	MCTE 4314	*Digital Signal Processing*	3	/	/	/	/	/				/			
			SUB TOTAL													

ELECTIVE COURSES (CHOOSE 3 COURSES ONLY)																
56	VII/ VIII	MCTE 4321	*Modern Control Design*	3	/	/	/		/							
57	VII/ VIII	MCTE 4322	*Intelligent Control*	3	/	/	/		/							
58	VII/ VIII	MCTE 4323	*Machine Vision*	3	/	/	/	/	/							
59	VII/ VIII	MCTE 4324	*Real Time Systems*	3	/	/							/			
60	VII/ VIII	MCTE 4325	*System Modelling and Identification*	3	/	/	/		/							
61	VII/ VIII	MCTE 4327	*Software Engineering*	3	/	/	/	/	/							
62	VII/ VIII	MCTE 4328	*Vibration Analysis and Control*	3	/	/	/		/							
63	VII/ VIII	MCTE 4341	*Electronic Instrumentation and Design*	3	/	/	/									
64	VII/ VIII	MCTE 4342	*Embedded System Design*	3	/	/	/		/							
65	VII/ VIII	MCTE 4343	*Biomedical instrumentation*	3	/	/	/									
66	VII/ VIII	MCTE 4344	*Remote Sensing and telemetry*	3	/	/	/		/							
67	VII/ VIII	MCTE 4345	*Microelectromechanical Systems*	3	/	/	/									
68	VII/ VIII	MCTE 4346	*Electrical Power System*	3	/	/	/		/							
69	VII/ VIII	MCTE 4347	*Microelectronics*	3	/	/	/		/							
70	VII/ VIII	MCTE 4361	*Autonomous Robotic Systems*	3	/	/	/		/							
71	VII/ VIII	MCTE 4362	*Robotic Hardware Systems*	3		/	/		/							
72	VII/ VIII	MCTE 4363	*Fluid Power Systems*	3	/	/	/		/							
73	VII/ VIII	MCTE 4364	*Industrial Robotics*	3	/	/	/	/								
74	VII/ VIII	MCTE 4365	*Thermal and Fluid Machineries*	3	/	/	/									
75	VII/ VIII	MCTE 4366	*Manufacturing Mechatronics*	3	/	/	/		/							
76	VII/ VIII	MCTE 4367	*Random Vibration*	3	/	/		/	/							
SUB TOTAL																
TOTAL WITH TOTAL ELECTIVES																
TOTAL WITHOUT ELECTIVES																