No.	Course Code	Course Title	CH	Semester	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
1	MECH 1301	Statics	3	1	✓	✓										
2	MFGA 1201	Computer Aided Drawing	2	1	✓	✓	✓									
3	EECE 1316	Fundamental of Electrical and Electronics	3	1	✓	✓										
4	MATH 1310	Engineering Mathematics I	3	1	✓	✓										
5	UNGS 1201	Sustainable Development: Issues, Policies and Practices	2	1						✓	✓	✓		✓		✓
6	UNGS 1301	Basic Philosophy and Islamic Worldview	3	1								✓		✓		✓
7	MECH 1302	Dynamics	3	2	✓	✓										
8	EECE 1317	Engineering Programming	3	2		✓			✓							
9	MFGA 1141	Introduction to Workshop	1	2	✓	✓						✓				
10	MATH 1321	Engineering Mathematics 2	3	2	✓	✓										

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11	TQTD 1002	Tilawah Al-Qur'an 1	0.5	2										✓		✓
12	LQAD 1003	Arabic for Ibadah 1	0.5	2										✓		✓
13	UNGS 2290	Knowledge and Civilisation in Islam	2	2						✓				✓		✓
14	LEED 1301	English for Academic Writing	3	2										✓		✓
15	MECH 2100	Introduction to Mechanical Engineering	1	3	✓		✓		✓	✓				✓		
16	MECH 2310	Thermodynamics	3	3	✓	✓										
17	MECH 2342	Mechanics of Materials	3	3	✓	✓										
18	MATH 2311	Differential Equations	3	3	✓	✓										
19	MECH 2241	Instrumentation and Measurement	2	3	✓	✓	✓									
20	MTRE 2381	Materials Science and Engineering	3	3	✓	✓										

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21	CCUB 1061	Usrah 1	0.5	3								✓		✓		✓
22	MECH 2340	Fluid Mechanics	3	4	✓	✓	✓									
23	MECH 2312	Dynamics of Machinery	3	4	✓	✓	✓									
24	MFGA 2307	Manufacturing Processes	3	4	✓	✓										
25	MATH 2330	Computational Methods and Statistics	3	4	✓	✓										
26	FREE XXXX	Free Elective	3	4												
27	TQTD 2002	Tilawah Al-Quran 2	0.5	4										✓		✓
28	LQAD 2003	Arabic for Ibadah 2	0.5	4										✓		✓
29	CCUB 1062	Usrah 2	0.5	4								✓		✓		✓
30	MECH 3310	Heat Transfer	3	5	✓	✓	✓									

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31	MECH 3124	Mechanical Engineering Lab 1	1	5				✓					✓	✓		
32	MECH 3340	Control Systems	3	5	✓	✓	✓									
33	MECH 3312	Machine Design	3	5	✓	✓	✓									
34	MFGA 2305	Project and Operations Management	3	5	✓	✓									✓	
35	MFGA 3313	CAD/CAM/CAE	3	5	✓		✓		✓							
36	CCSS 1010 /2010	Skill 1	0.5	5												✓
37	CCLM 2051	Leadership	0.5	5									✓	✓	✓	✓
38	CCFM 2061	Family Management	0.5	5									✓	✓	✓	✓
39	MECH 3241	Introduction to IoT and Application	2	6	✓	✓	✓									
40	MECH 3140	Engineering Design Ideation	1	6		✓				✓				✓		
41	MECH 4XXX/ MFGA XXXX	Technical Elective 1	3	6												

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42	MECH 3128	Mechanical Engineering Lab 2	1	6				✓	✓				✓			
43	MECH 3311	Mechanical Vibration	3	6	✓	✓	✓		✓							
44	MECH 3342	Computational Mechanics	3	6		✓		✓	✓							
45	MFGA 3309	Engineering Economics and Management	3	6	✓	✓									✓	
46	CCUB 2163	Usrah in Action 1 (SD: Community Profiling)	1	6						✓	✓	✓	✓			✓
47	CCSS 1010 /2010	Skill 2	0.5	6												✓
48	MECH 3500	Engineering Industrial Training	5	Short								✓	✓	✓		
49	MECH 4200	Final Year Project I	2	7	✓	✓		✓						✓		
50	MECH 4300	Integrated Design Project (IDP)	3	7		✓	✓				✓		✓	✓		
51	MECH 4129	Mechanical Engineering Lab 3	1	7	✓			✓	✓				✓			
52	MECH 4XXX/ MFGA XXXX	Technical Elective 2	3	7												

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53	MECH 4XXX/ MFGA XXXX	Technical Elective 2	3	7												
54	MECH 4XXX/ MFGA XXXX	Technical Elective 3	3	7												
55	FREE XXXX	Free Elective	3	7												
56	UNGS 2380	Ethics and Fiqh for Contemporary Issues	3	7								✓	✓	✓		✓
57	MECH 4400	Final Year Project 2	4	8	✓	✓		✓						✓		✓
58	GENE 4301	Engineering Ethics, Safety and Sustainability	3	8						✓	✓	✓	✓			
59	MECH 4XXX/ MFGA XXXX	Technical Elective 4	3	8												
60	MECH 4XXX/ MFGA XXXX	Technical Elective 5	3	8												
61	MECH 4211	Technology Entrepreneurship	2	8											✓	
62	CCUB 3164	Usrah in Action 2	1	8						✓	✓	✓				✓