

Study Plan for Mechanical Engineering (Edition3)

No.	Code	Course Title	Credit	Lecture	Tutorial	Lab.	Prerequisite	Corequisite	No.	Code	Course Title	Credit	Lecture	Tutorial	Lab.	Prerequisite	Corequisite
Level one									Level Two								
1050	MATH	Differential Calculus	3	3	2	0			101	ARAB	Language Skills	2	2	0	0		
1210	ENGL	Reading	3	2	2	2			101	IC	Introduction to Islamic Culture	2	2	0	0		
1220	ENGL	Writing	3	2	2	2			1010	PHYS	General Physics (1)	4	3	1	2		
1230	ENGL	Listening / Speaking	3	2	2	2			1060	MATH	Integral Calculus	3	3	2	0	MATH1050	
1400	CT	Computer Skills	3	2	0	2			1400	MC	Communications Skills	2	2	0	0		
									1604	ENGL	English for Technical Purposes	3	9				
		Hours	15	11	8	8					Hours	16	21	3	2		
Level Three									Level Four								
1010	CHEM	General Chemistry	4	3	1	2			3201	STAT	Introduction on Probability & Engineering Statistics	3	3	1	0	MATH1060	
1040	PHYS	General Physics (2)	4	3	1	2	PHYS1010		1021	GE	Engineering Drawing and Graphics	3	2	0	3		
1011	GE	Introduction to Engineering	2	2	0	0			2030	MATH	Differential and Integral Calculus	3	3	1	0	MATH1060 MATH1070	
1070	MATH	Algebra & Analytic Geometry	3	3	1	0	MATH1050		2331	ME	Principles and Practices of Manufacturing Processes	1	1	0	0		
1090	CO	Computer programming	3	2	1	2			2341	ME	Principles and Practices of Manufacturing Processes Lab	1	0	0	3		ME2331
102	ISL	Islamic and Building of Society	2	2	0	0			2010	GE	Statics	3	3	1	0	PHYS1040 MATH1060 MATH1070	
									2510	ME	Materials Engineering	3	3	1	0	CHEM1010 PHYS1040	
		Hours	18	15	4	6					Hours	17	15	4	6		
Level Five									Level Six								
103	ARAB	Arabic Editing	2	2	0	0			2540	MATH	Numerical Methods	3	3	1	0	MATH1070	
2040	MATH	Differential Equations	3	3	1	0	MATH2030		3351	ME	Manufacturing Processes	3	3	1	0	ME2331 ME2341	
2020	GE	Dynamics	3	3	1	0	GE2010		3361	ME	Manufacturing Processes Lab	1	0	0	3		ME3351
2421	ME	Mechanical Engineering Drawing and Graphics	2	2	0	0	GE1021		3651	ME	Mechanics of Machinery	2	2	1	0	GE2020	
2431	ME	Mechanical Engineering Drawing and Graphics Lab	1	0	0	3		ME2421	3661	ME	Mechanics of Machinery Lab	1	0	0	3		ME3651
2581	ME	Mechanics of Materials	3	3	1	0	ME2510 GE2010		3720	ME	Thermodynamic (2)	3	3	1	0	ME3710	
2591	ME	Materials Engineering and Mechanics of Materials Lab	1	0	0	3		ME2581	3851	ME	Fluid Mechanics	4	4	1	0	GE2020 ME3710	
3710	ME	Thermodynamic (1)	3	3	1	0	PHYS1040		3830	ME	Thermo fluids Lab (1)	1	0	0	3	ME3710	ME3720 ME3851
			18	16	4	6					Hours	18	15	5	9		
Level Seven									Level Eight								
103	ISL	Economic System in Islamic	2	2	0	0			3431	ME	Mechanical Engineering Design	3	3	1	0	ME2581	
3740	ME	Heat Transfer	3	3	1	0	ME3851		4651	ME	Mechanical Vibration	2	2	1	0	ME3601	
3870	ME	Thermo fluid Lab (2)	1	0	0	3		ME3740	4751	ME	Refrigeration and Air Conditioning	2	2	1	0	ME3740	
3080	EE	Circuits and Electrical Machines	3	3	1	0	PHYS1040 MATH1070		4621	ME	Mechatronics	3	3	1	0	ME3441	
3601	ME	Dynamics Systems and Controls	3	3	1	0	MATH2040 CO1090		4631	ME	Mechatronics Lab	1	0	0	3		ME4621
3621	ME	Dynamics Systems and Controls Lab	1	0	0	3		ME3601	****		Elective Course	3					
3441	ME	Measuring and Instrumentation	2	2	1	0		EE308	4010	GE	Economics Engineering	2	2	1	0		
3451	ME	Measuring and Instrumentation Lab	1	0	0	3		EE3080 ME3441									
		Hours	16	13	4	9					Hours	16	12	5	3		
Level Nine									Level Ten								
1261	ENGL	Writing Technical Reports	2	2	0	2			104	ISL	Principles of Political System in Islam	2	2	0	0		
4731	ME	Power Plants	2	2	1	0	ME3740		4031	GE	Ethics of Engineering Profession	2	2	0	0		
4741	ME	Desalination	2	2	1	0	ME3740		4020	GE	Engineering Projects Managements	2	2	1	0	GE4010	
****		Elective Course	3	--	--	--			****		Elective Course	3	--	--	--		
****		Elective Course	3	--	--	--			4990	ME	Graduation Project (2)	3	1	0	6	ME4970	
****		Elective Course	3	--	--	--			9990	ME	Summer training	0					
4970	ME	Graduation Project (1)	1	0	0	3											
		Hours	16	6	2	5					Hours	12	7	1	6		
(162) Total Credit Hours																	