

Fifth: Advisory Study Plan

First Year

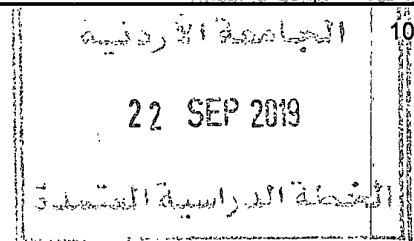
1 st Semester			2 nd Semester		
Course Number	Course Title	Credit Hours	Course Number	Course Title	Credit Hours
0301101	Calculus I	3	0301102	Calculus II	3
0302101	General Physics I	3	0302102	General Physics II	3
0303101	General Chemistry I	3	0302111	General Physics Lab 1	1
0904131	Engineering Graphics and Descriptive Geometry	3	0966111	Engineering Workshop	1
	University Requirement	3	0303109	General Chemistry Lab. 1	1
			0907101	Computer skills for engineers	3
				University Requirement	3
Total		15			15

Second Year

1 st Semester			2 nd Semester		
Course Number	Course Title	Credit Hours	Course Number	Course Title	Credit Hours
0901241	Statics	3		University Requirement	3
0301201	Calculus (3)	3	0301202	Engineering Math I	3
0904233	Machine Drawing	1	0904222	Dynamics	3
0903203	Electrical Engineering	3	0904341	Thermodynamics I	3
0914202	Computer programming for Engineers	1	0973373	Electrical Machines	3
	University requirement	3			
0302112	General Physics Lab II	1			
Total		15			15

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Study Plan- Bachelors



Third Year

1 st Semester			2 nd Semester		
Course Number	Course Title	Credit Hours	Course Number	Course Title	Credit Hours
0904361	Fluid Mechanics I	3	0944331	Mechanics of Machines	3
0934372	Strength of Materials	3	0904302	Engineering numerical Methods	3
0331302	Engineering math II	3	0934411	Mechanical Vibrations	3
0904342	Thermodynamics II	3	0906310	Manufacturing Processes	3
	University Requirement	3	0904362	Fluid Mechanics Lab.	1
0904274	Materials Science for Mechanical Engineers	3		University Requirement	3
			0953374	Electrical Engineering & Machines Lab	1
Total		18			17

Fourth Year

1 st Semester			2 nd Semester		
Course Number	Course Title	Credit Hours	Course Number	Course Title	Credit Hours
	Technical elective	3	0904418	System Dynamics and Control	3
0904435	Machine Design I	3	0904436	Machine Design II	3
0904441	Heat Transfer I	3	0934345	Thermodynamic lab.	1
0901420	Engineering Economy	3	0934445	Air Conditioning I	3
	University Requirement	3	0904484	Computer Aided Design	3
0934374	Materials Lab.	1	0904500	Practical training	3
0954412	Mechanical Vibrations Lab	1	0904446	Heat transfer Lab.	1
Total		17			17

Fifth Year

1 st Semester			2 nd Semester		
Course Number	Course Title	Credit Hours	Course Number	Course Title	Credit Hours
0904422	Engineering Measurements	3	0904419	Control lab.	1
0914537	Design of Hydraulic and Pneumatic Systems	2		Technical Elective	3
0934545	Internal Combustion Engines	3		Technical Elective	3
0914590	Applications in Thermal-fluid systems design	1	0904424	Measurements Lab.	1
	Technical Elective	3	0904538	Applications in Mechanical Design	1
0914518	Design of Hydraulic and Pneumatic Systems Lab.	1		University Requirement	3
0904466	Turbomachinery	3		University Requirement	3
0974598	Project (1) for mechanical engineer	1	0974599	Project (2) for mechanical engineer	2
Total		17			17