

Advisory Study Plan for the Academic Year 2014 / 2015

Faculty: ENGINEERING

Department: COMPUTER ENGINEERING

1 st Year/ First Semester			
Course No.	Course Title	Credit Hours	Prerequisite
0111101	Mathematics(1)	3	-
0111202	General Physics(1)	3	-
0111204	General Physics Lab.	1	0111202 / co
0161101	Arabic Communication Skills (1)	3	0161100
0161201	Civic Education	3	-
0871101	Engineering Workshop	1	-
0871102	Engineering Drawings	2	-
Total		16 CH	

1 st Year/ Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite
0112102	Mathematics(2)	3	0111101
0111203	General Physics(2)	3	0111202
0121181	English Communication Skills (1)	3	0171100
0811201	Computer Skills (Engineering)	3	0331200
	Elective University Requirement	3	-
Total		15 CH	

2 nd Year/ First Semester			
Course No.	Course Title	Credit Hours	Prerequisite
0812101	Technical Writing	1	0121181
0812102	Engineering Ethics	1	0121181
0832107	Engineering Statistics	3	0111101
0812401	Digital Logic Circuits	3	-
0832103	Engineering Mathematics(1)	3	0112102
0872301	Electric Circuits (1)	3	0111202
Total		17 CH	

2 nd Year/ Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite
0812202	Object Oriented Programming	3	0811201
0812203	Object Oriented Programming Lab.	1	0812202 / co
0812402	Digital Logic Circuits Lab.	1	0812401 / co
0822205	Electronics	3	0872301
0832104	Engineering Mathematics(2)	3	0112102
0872302	Electric Circuits (2)	3	0872301
0872303	Electric Circuits Lab	1 3	0872302 / co
	Elective University Requirement		
Total		18 CH	

3 rd Year/ First Semester			
Course No.	Course Title	Credit Hours	Prerequisite
0813403	Advanced Digital Design	3	0812401
0813405	Microprocessors	3	0812401
0823101	Probability and Stochastic Processes	3	0832107
0823206	Electronics Lab.	1	0822205 / co
0823501	Signals and Systems	3	0112102
	Elective University Requirement	3	
Total		16 CH	

3 rd Year/ Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite
0813204	Computer Aided Design	1	0811201
0813404	Advance Digital Design Lab.	1	0813403 / co
0813406	Microprocessors Lab.	1	0813405 / co
0823207	Digital Electronics	3	0822205
0823502	Analog Communications	3	0112102
3833105	Numerical Analysis	3	0112102
	Elective University Requirement	3	
Total		15 CH	

4 th Year/ First Semester			
Course No.	Course Title	Credit Hours	Prerequisite
0814104	Discrete Mathematics	3	0111101
0814105	Computer Applications In Engineering Mathematical Science	1	0833105
0874106	Engineering Economy and Management	3	0111101
0342102	Data Structure	3	0812202
0814407	Embedded Systems	3	0812401
0814409	Computer Organization & Design	3	0812401
0823208	Digital Electronics Lab.	1	0823207 / co
Total		17 CH	

4 th Year/ Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite
0814206	Algorithms	3	0812202
0814301	Computer Networks	3	0812401
0814408	Embedded Systems Lab.	3	0814407 / co
0814410	Computer Architecture	3	0812401
0814411	Computer Design Lab.	1	0814410 / co
0814901	Field Training	3	Pass (110) CH
	Elective Major Requirement	3	
Total		17 CH	

5 th Year/ First Semester			
Course No.	Course Title	Credit Hours	Prerequisite
0815302	Computer Networking Protocols	3	0814301
0815412	Operating Systems	3	0812401
0815413	Intelligent Systems and Neural Networks	3	0814206
0815902	Graduation Project (1)	1	Pass (120) CH
0874312	Control Systems	3	0823501
	Elective Major Requirement	3	
Total		16 CH	

5 th Year/ Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite
0161200	Military Sciences	3	-
0815207	Database Systems	3	0812202
0815303	Computer Networks Lab.	1	0814301 / co
0815414	Distributed Systems and Parallel Processing	3	0815412
0815415	Distributed Systems and Parallel Processing Lab.	1	0815414 / co
0815903	Graduation Project (2)	2	0815902
Total		13 CH	