

Advisory Study Plan for the Academic Year 2019 / 2020

Faculty: Engineering

Department: Electrical

1 st Year/ First Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0111101	Mathematics (1)	3	-
A0111201	General Physics (1)	3	-
A0161101	Arabic Language Communication Skills (1)	3	A0161100
A0161301	National Education	3	-
A0831201	Engineering Drawing	2	-
A0111301	General Chemistry	3	-
Total 17			

1 st Year/ Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0811201	Computer Skills (Engineering)	3	*A0331700
A0111102	Mathematics (2)	3	A0111101
A0111202	General Physics (2)	3	A0111201
A0111203	General Physics Lab.	1	-
A0161201	English Language Communication Skills (1)	3	A0161200
A0811202	Engineering Workshops	1	-
xxxxxxx	Elective University Requirements	3	-
Total 17			

2 nd Year/ First Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0872301	Electric Circuits (1)	3	A0111202
A0112101	Linear Algebra	3	A0111102
A0832102	Engineering Statistics	3	A0111101
A0812401	Digital Logic Circuits	3	A0111101
A0812402	Digital Logic Circuits Lab.	1	-
xxxxxxx	Elective University Requirements	3	-
Total 16			

2 nd Year/ Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0832101	Differential Equations	3	*A0111102
A0872302	Electric Circuits (2)	3	*A0872301
A0872304	Electric Circuits Lab.	1	A0872301
A0822502	Electronics	3	*A0872301
A0812201	Communications Skills & Professional Ethics	3	A0161201
A0872501	Electromagnetics	3	*A0111202
Total 16			

3 rd Year/ First Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0823503	Digital Electronics	3	A0822502
A0813402	Microprocessors	3	A0812401
A0823401	Signals and Systems	3	A0872302
A0823502	Electronics Lab.	1	-
A0833101	Numerical Analysis	3	A0112101
A0873503	Electrical Machines	3	A0872302
A0873504	Electrical Machines Lab.	1	-
A0823504	Digital Electronics Lab.	1	-
Total 18			

3 rd Year/ Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0823403	Analog Communications	3	*A0823401
A0823306	Analog Communications Lab.	1	-
A0812101	Discrete Mathematics	3	A0111101
A0814401	Embedded Systems	3	A0813402
A0813201	Engineering Economy and Management	3	A0111101
xxxxxxx	Elective University Requirements	3	-
Total 16			

4 th Year/ First Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0874503	Electrical Power Systems (1)	3	A0873503
A0874501	Control Systems	3	A0823401
A0824401	Digital Communication	3	A0823403
A0814403	Microprocessors & Embedded Systems Lab.	1	A0813402
A0874301	Power Electronics	3	A0822502
A0874302	Power Electronics Lab.	1	-
Total 17			

4 th Year/ Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0824302	Wireless Communications	3	A0824401
A0874508	Design of Lighting and Electrical Installations	3	A0874503
A0874504	Electrical Power Systems (2)	3	*A0874503
A0874505	Electrical Power Systems Lab.	1	A0874503
A0874506	Renewable Energy Systems	3	A0874503 + A0874301
A0874507	Renewable Energy Lab.	1	-
A0874502	Control Systems Lab.	1	-
A0874509	Design of Lighting and Electrical Installations Lab.	1	-
Total 16			

Summer semester			
Course no.	Course Title	Cr.H.	Prerequisite
A0874601	Field Training	3	Pass (115) Cr.H.

5 th Year/ First Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0825501	Communication Electronics	3	A0824401
A0875501	Power Systems Protection	3	A0874503
A0875601	Graduation Project (1)	1	Must pass Field Training (*A0874601)
A087xxxx	Elective Major Requirements	3	-
A087xxxx	Elective Major Requirements	3	-
Total 13			

5 th Year/ Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0875502	Design of Electrical Power Systems	3	A0874504
A0875602	Graduation Project (2)	2	A0875601
A0161401	Military Sciences	3	-
A087xxxx	Elective Major Requirement	3	-
Total 11			