

## Advisory Study Plan for the Academic Year 2016 / 2017

## Faculty of Engineering

## Department of Electrical Engineering

1 <sup>st</sup> Year/ First Semester			
Course No.	Course Title	Credit Hours	Prerequisite
0111101	Mathematics(1)	3	-
0111202	General Physics (1)	3	-
0871101	Engineering Workshop	1	-
0811201	Computer Skills (Engineering)	3	0331200
0161101	Arabic Language Communication Skills (1)	3	0161100
0121181	English Language Communication Skills (1)	3	0171100
<b>Total : 16 Hrs</b>			

1 <sup>st</sup> Year/ Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite
0871102	Engineering Drawing	2	-
0111203	General Physics(2)	3	0111202
0161201	National Education	3	-
0812102	Engineering Ethics	1	0121181
0112102	Mathematics(2)	3	0111101
0111204	General Physics Lab.	1	0111202 0111203**
Elective University Requirement		3	
<b>Total : 16 Hrs</b>			

2 <sup>nd</sup> Year/ First Semester			
Course No.	Course Title	Credit Hours	Prerequisite
0832103	Engineering Mathematics(1)	3	0112102*
0872301	Electric Circuits (1)	3	0111202
0812401	Digital Logic Circuits	3	0112102
0872304	Electromagnetics	3	0111203
0832107	Engineering Statistics	3	0112102
0812101	Technical Writing	1	0121181
<b>Total : 16 Hrs</b>			

2 <sup>nd</sup> Year/ Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite
0832104	Engineering Mathematics(2)	3	0832103
0872302	Electric Circuits (2)	3	0872301*
0872303	Electric Circuits Lab.	1	0872301 0872302**
0822201	Electronics (1)	3	0872301*
0823501	Signals and Systems	3	0832103
0812402	Digital Logic Circuits Lab.	1	0812401
0161200	Military Sciences	3	-
<b>Total : 17 Hrs</b>			

3 <sup>rd</sup> Year/ First Semester			
Course No.	Course Title	Credit Hours	Prerequisite
0833105	Numerical Analysis	3	0832104
0813405	Microprocessors	3	0812401
0823203	Electronics (2)	3	0822201
0823502	Analog Communications	3	0823501*
0823206	Electronics Lab.	1	0822201 0823203**
0873305	Electrical Machines	3	0872302
<b>Total : 16 Hrs</b>			

3 <sup>rd</sup> Year/ Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite
0814105	Engineering Numerical Applications	1	0833105
0823207	Digital Electronics	3	0823203
0874310	Electrical Power Systems (1)	3	0873305
0823101	Probability & Random Processes	3	0832107
0873308	Instrumentations and Measurement	3	0872302 0823203
0874306	Electrical Machines Lab.	1	0873305
Elective University Requirement		3	
<b>Total : 17 Hrs</b>			

4 <sup>th</sup> Year/ First Semester			
Course No.	Course Title	Credit Hours	Prerequisite
0874316	Electrical Power Systems (2)	3	0874310*
0874317	Electrical Power Systems Lab.	1	0874310 0874316**
0874209	Power Electronics	3	0823501 0823203
0814407	Embedded Systems	3	0813405
0814415	Microprocessors & Embedded Systems Lab.	1	0813405 0814407**
Elective University Requirement		3	
0823208	Digital Electronics Lab.	1	0823207
0873309	Instrumentations and Measurement Lab.	1	0873308**
<b>Total : 16 Hrs</b>			

4 <sup>th</sup> Year/ Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite
0874314	Design of Lighting and Electrical Installations	3	0874310
0874312	Control Systems	3	0823501
0823504	Digital Communications	3	0823502
0874106	Engineering Economy and Management	3	0832107
0874210	Power Electronics Lab.	1	0874209
Elective University Requirement		3	
<b>Total : 16 Hrs</b>			

Summer Semester			
Course No.	Course Title	Credit Hours	Prerequisite
0874901	Field Training	3	Pass (110) Cr.H.

5 <sup>th</sup> Year/ First Semester			
Course No.	Course Title	Credit Hours	Prerequisite
0875902	Graduation Project (1)	1	Pass (120) Cr.H.
0825210	Communication Electronics	3	0824504
0875315	Design of Lighting and Electrical Installations Lab.	1	0874314
0814104	Discrete Mathematics	3	0832104
0824506	Communications Lab.	1	0824504**
0875313	Control Systems Lab.	1	0874312
Elective Major Requirements		3	
<b>Total : 13 Hrs</b>			

5 <sup>th</sup> Year/ Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite
0875903	Graduation Project (2)	2	0875902
0825510	Communication Systems and Control in Electric Power Systems	3	0824504 0874310
0875318	Renewable Energy Systems	3	0874310 0874209
Elective Major Requirements		3	
Elective University Requirement		3	
<b>Total : 14 Hrs</b>			

This prerequisite must be successfully passed before registering the course (\*); Co-requisite (\*\*).