

## Advisory Plan 2014-2015

Faculty: Engineering

Department: Electric Engineering

## First year

First semester			
Course no.	Course Title	Cr.H.	Prerequisite
0811201	Computer Skills (Engineering)	3	0331200
0871101	Engineering Workshop	1	-
0161101	Arabic Language Communication Skills (1)	3	0161100
0121181	English Language Communication Skills (1)	3	0171100
	<b>Elective University Requirement</b>	3	
0111101	Mathematics (1)	3	-
	3		
<b>Total: 16 hrs</b>			

Second semester			
Course no.	Course Title	Cr.H.	Prerequisite
0871102	Engineering Drawing	2	-
0161200	Military Sciences	3	-
0161201	National Education	3	-
0812102	Engineering Ethics	1	0121181
0812101	Technical Writing	1	0121181
0112102	Mathematics (2)	3	0111101
0111202	General Physics (1)	3	-
<b>Total: 16 hrs</b>			

## Second year

First semester			
Course no.	Course Title	Cr.H.	Prerequisite
0832103	Engineering Mathematics (1)	3	0112102**
0832107	Engineering Statistics	3	0111101
0111203	General Physics (2)	3	0111202
0872301	Electric Circuits (1)	3	0111202
0111204	General Physics Lab.	1	0111202*
0812401	Digital Logic Circuits	3	-
<b>Total: 16 hrs</b>			

Second semester			
Course no.	Course Title	Cr.H.	Prerequisite
0832104	Engineering Mathematics (2)	3	0112102
0872304	Electromagnetics	3	0111203
0823501	Signals and Systems	3	0112102
0872302	Electric Circuits (2)	3	0872301**
0872303	Electric Circuits Lab.	1	0872301 0872302*
0822201	Electronics (1)	3	0872301**
0812402	Digital Logic Circuits Lab.	1	0812401*
<b>Total: 17 hrs</b>			

## Third year

First semester			
Course no.	Course Title	Cr.H.	Prerequisite
0833105	Numerical Analysis	3	0832104
0813405	Microprocessors	3	0812401
0823502	Analog Communications	3	0823501**
0823203	Electronics (2)	3	0822201
0823206	Electronics Lab.	1	0822201 0823203*
0873305	Electrical Machines	3	0872302
		3	
<b>Total: 16 hrs</b>			

Second semester			
Course no.	Course Title	Cr.H.	Prerequisite
0833108	Numerical Analysis Lab.	1	0833105
0823207	Digital Electronics	3	0823203
0873308	Instrumentation and Measurements	3	0822201
0823101	Probability & Random Processes	3	0832107
	<b>Elective University Requirement</b>	3	
0874306	Electrical Machines Lab.	1	0873305*
0873309	Instrumentation and Measurements Lab.	1	0873308*
<b>Total: 15 hrs</b>			

## Fourth year

First semester			
Course no.	Course Title	Cr.H.	Prerequisite
0874310	Electrical Power Systems (1)	3	0873305
0824504	Digital Communications	3	0823502
0814407	Embedded Systems	3	0812401
0814415	Microprocessors & Embedded Systems Lab.	1	0813405 0814407*
0874209	Power Electronics	3	0822201 0823501*
0823208	Digital Electronics Lab.	1	0823207*
	<b>Elective University Requirement</b>	3	
<b>Total: 17 hrs</b>			

Second semester			
Course no.	Course Title	Cr.H.	Prerequisite
0874106	Engineering Economy and Management	3	0111101
0874316	Electrical Power Systems (2)	3	0874310**
0874314	Design of Lighting and Electrical Installations	3	0874310
0874312	Control Systems	3	0823501
0874317	Electrical Power Systems Lab.	1	0874310 0874316*
0874210	Power Electronics Lab.	1	0874209*
	<b>Elective University Requirement</b>	3	
<b>Total: 17 hrs</b>			

## Summer semester

Course no.	Course Title	Cr.H.	Prerequisite
0874901	Field Training	3	Pass (110) Cr.H.

## Fifth year

First semester			
Course no.	Course Title	Cr.H.	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*
	<b>Elective Major Requirements</b>	3	
<b>Total: 12 hrs</b>			

Second semester			
Course no.	Course Title	Cr.H.	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
0875313	Control Systems Lab.	1	0874312*
	<b>Elective Major Requirements</b>	3	
	<b>Elective University Requirement</b>	3	
<b>Total: 15 hrs</b>			

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