



Guidelines for the Bachelor Degree In Electrical Engineering

First Grade							
First Semester				Second Semester			
Course No.	Course Title	Cr.H	Pre-Request	Course No.	Course Title	Cr.H	Pre-Request
0200100	Military Sciences	3	-----	0306110	Computer Programming 1	3	-----
0905100	Engineering Workshop 1	1	-----	0301102	Calculus 2	3	0301101
1002201	English Language 1	3	-----	0302102	General Physics 2	3	0302101
0301101	Calculus 1	3	-----	0302112	General Physics/ Lab 2	1	0302102*
0302101	General Physics 1	3	-----	1002101	Arabic Language 1	3	-----
0302111	General Physics/Lab 1	1	0302101*	0303101	General Chemistry 1	3	-----
0902100	Introduction to Engineering and Professional Ethics	1		0303103	General Chemistry /Lab 1	1	0303101*
Total		15		Total		17	

Second Grade							
First Semester				Second Semester			
Course No.	Course Title	Cr.H	Pre-Request	Course No.	Course Title	Cr.H	Pre-Request
1002301	National Education	3	-----	0904314	Electromagnetics (1)	3	0301201+ 0302102
0904211	Electric Circuits (1)	3	0302102 + 0301102	0904212	Electric Circuits (2)	3	0904211
0904241	Digital Fundamentals	3	0306110	0905102	Engineering Drawing	3	-----
0301201	Calculus (3)	3	0301102	0904232	Electronics (1)	3	0904211
0905201	Advanced Engineering Mathematics	3	0301102	0905301	Applied Mathematics	2	0905201
0902221	Statics	3	0302101	0904213	Electrical Circuits lab	1	0904212*
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Total		18		Total		17	-----

Third Grade							
First Semester				Second Semester			
Course No.	Course Title	Cr.H	Pre-Request	Course No.	Course Title	Cr.H	Pre-Request
0904332	Electronics (2)	3	0904232 + 0904212	0904321	Electrical machines (1)	3	0904314 + 0904212
0904443	Microprocessors and Assembly language	3	0904242	0904335	measurement and instrumentation lab	1	0904334*
0904333	Electronics lab	1	0904332* + 0904213	0904303	Probability and Random Variables	3	0904371
0904371	Signal Analysis	3	0905301 + 0904212	0904334	Measurement and instrumentation	3	0904332 + 0904213
-----	University requirement/elective	3	-----	0904356	Power Electronics	3	0904332
0904544	Microprocessors and Assembly language lab	1	0904443*	-----	University requirement/elective	3	-----
0904404	Numerical Analysis	3	0905201	0904482	Electrical Engineering Software (1)	1	0904371 + 0306110
Total		17		Total		17	

Fourth Grade							
First Semester				Second Semester			
Course No.	Course Title	Cr.H	Pre-Request	Course No.	Course Title	Cr.H	Pre-Request
0904472	Analog communications	3	0904371 + 0904303*	0904436	Digital Electronics	3	0904332 + 0904241
0904453	control Theory	3	0904371	0904473	Digital communication	3	0904472
0904423	Electrical machines (2)	3	0904321	0904424	Electrical machines (2) lab	1	0904423 + 0904425
0904425	Electrical machines (1) lab	1	0904321	0904583	Electrical Engineering Software (2)	1	0904482 + 0904424
-----	University requirement/elective	3	-----	0904475	Analog communications lab	1	0904472
0905302	Engineering economics and management	3	0301102	0904561	Power System analysis	3	0904321
0904457	Power Electronics Lab	1	0904356	-----	University requirement/elective	3	-----
0904454	Control lab	1	0904453*	0904545	Microcontrollers	3	0904544
Total		18		Total		18	

Fifth Grade							
First Semester				Second Semester			
Course No.	Course Title	Cr.H	Pre-Request	Course No.	Course Title	Cr.H	Pre-Request
0904574	Communication Electronics	3	0904473		Specialization Requirement /elective	3	
0904573	Digital Communications Lab	1	0904473 + 0904475				
0904584	project (1)	1	---***--		Specialization Requirement /elective	3	
	Specialization Requirement/elective	3		0904585	Project (2)	2	0904584
-----	University requirement/elective	3	-----	0904576	Communications systems	3	0904473
0904405	Technical writing and communication skills	1	1002201	-----	-----	----	-----
0904562	Power system lab	1	0904561	-----	-----	----	-----
Total		13		Total		11	

