

## Advisory Study Plan for the Academic Year 2019/2020

Faculty: Engineering

Department: Electronics and Communications Engineering

1 <sup>st</sup> Year/ First Semester			
Course No.	Course Title	CR	Prerequisite
A0111101	Mathematics (1)	3	-
A0111201	General Physics (1)	3	-
A0111301	General Chemistry	3	-
A0161201	English Communication Skills (1)	3	A0161200
A0811202	Engineering Workshops	1	-
A0831201	Engineering Drawing	2	-
Total: 15 CR			

1 <sup>st</sup> Year/ Second Semester			
Course No.	Course Title	CR	Prerequisite
A0111102	Mathematics (2)	3	A0111101
A0111202	General Physics (2)	3	A0111201
A0111203	General Physics Lab.	1	-
A0161101	Arabic Communication Skills (1)	3	A0161100
A0811201	Computer Skills (Engineering)	3	A0331700
A0812201	Communication Skills & Ethics	3	A0161201
Total: 16 CR			

2 <sup>nd</sup> Year/ First Semester			
Course No.	Course Title	CR	Prerequisite
A0112101	Linear Algebra	3	A0111102
A0161301	National Education	3	-
A0812401	Digital Logic Circuits	3	A0111101
A0812402	Digital Logic Circuits Lab.	1	-
A0832102	Engineering Statistics	3	A0111101
A0872301	Electric Circuits (1)	3	A0111202
xxxxxxx	University Elective Requirement	3	-
Total: 19 CR			

2 <sup>nd</sup> Year/ Second Semester			
Course No.	Course Title	CR	Prerequisite
A0822501	Electronics (1)	3	A0111202
A0832101	Differential Equations	3	*A0111102
A0833101	Numerical Analysis	3	A0112101
A0872302	Electric Circuits (2)	3	*A0872301
A0872304	Electric Circuits Lab.	1	A0872301
xxxxxxx	University Elective Requirement	3	-
xxxxxxx	University Elective Requirement	3	-
Total: 19 CR			

3 <sup>rd</sup> Year/ First Semester			
Course No.	Course Title	CR	Prerequisite
A0812101	Discrete Mathematics	3	A0111101
A0823101	Probability and Random Processes	3	A0832102
A0823401	Signals and Systems	3	A0111102
A0823501	Electronics (2)	3	*A0822501
A0823502	Electronics Lab.	1	-
A0872501	Electromagnetic	3	*A0111202
Total: 16 CR			

3 <sup>rd</sup> Year/ Second Semester			
Course No.	Course Title	CR	Prerequisite
A0823403	Analog Communications	3	*A0823401
A0823404	Analog Communications Lab.	1	-
A0823503	Digital Electronics	3	A0823501
A0823504	Digital Electronics Lab.	1	-
A0873501	Machines and Electrical Power	3	A0872302
A0873502	Machines and Electrical Power Lab.	1	-
xxxxxxx	University Elective Requirement	3	-
Total: 15 CR			

4 <sup>th</sup> Year/ First Semester			
Course No.	Course Title	CR	Prerequisite
A0814401	Embedded Systems	3	A0812401
A0814402	Embedded Systems Lab.	1	-
A0824401	Digital Communications	3	*A0823403
A0824402	Digital Communications Lab.	1	-
A0824403	Digital Signal Processing	3	*A0823401
A0874301	Power Electronics	3	A0823501
A0874302	Power Electronics Lab.	1	-
Total: 15 CR			

4 <sup>th</sup> Year/ Second Semester			
Course No.	Course Title	CR	Prerequisite
A0813201	Engineering Economy and Management	3	A0111101
A0824301	Fiber Optics Communications	3	A0824401
A0824302	Wireless Communications	3	A0824401
A0824303	Antennas and Wave Propagation	3	A0872501
A0874501	Control Systems	3	A0823401
Total: 15 CR			

4 <sup>th</sup> Year/ Summer Semester			
Course No.	Course Title	CR	Prerequisite
A0824601	Field Training	3	Passing 115 CR
Total: 3 CR			

5 <sup>th</sup> Year/ First Semester			
Course No.	Course Title	CR	Prerequisite
A0825401	Communications & Computer Networks	3	A0823401
A0825501	Communication Electronics	3	A0824401
A0825502	Optical Communication Electronics	3	A0824301
A0825601	Graduation Project (1)	1	Passing Field Training (*A0824601)
A082xxxx	Major Elective Requirement	3	-
Total: 13 CR			

5 <sup>th</sup> Year/ Second Semester			
Course No.	Course Title	CR	Prerequisite
A0825402	Mobile Communication Systems	3	A0824302
A0825602	Graduation Project (2)	2	A0825601
A0161401	Military Sciences	3	-
A082xxxx	Major Elective Requirement	3	-
A082xxxx	Major Elective Requirement	3	-
Total: 14 CR			