

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

Faculty: ENGINEERING

Department: COMPUTER ENGINEERING

1 <sup>st</sup> Year/ First Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0111101	Mathematics (1)	3	-
A0111201	General Physics (1)	3	-
A0111203	General Physics Lab.	1	Co A 0111201
A0161100	Arabic Communication Skills	3	-
A0161301	National Education	3	-
A0811202	Engineering Workshop	1	-
A0831201	Engineering Drawing	2	-
<b>Total</b>		<b>16 CH</b>	

1 <sup>st</sup> Year/ Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0111102	Mathematics (2)	3	A0111101
A0111202	General Physics (2)	3	A0111201
A0161200	English Communication Skills	3	-
A0331700	Computer Skills (Engineering)	3	A0331200
A0111301	General Chemistry	3	-
-	Elective University Requirement	3	-
<b>Total</b>		<b>18 CH</b>	

2 <sup>nd</sup> Year/ First Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0812201	Communication Skills and Ethics	3	A0161201
A0832102	Engineering Statistics	3	A0111101
A0812401	Digital Logic Circuits	3	A0111101
A0832101	Differential Equations	3	*A0111102
A0872303	Electrical Circuits	3	A0111202
A0812301	Object Oriented Programming	3	*A0811201
<b>Total</b>		<b>18 CH</b>	

2 <sup>nd</sup> Year/ Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0812101	Discrete Mathematics	3	*A0111101
A0812302	Object Oriented Programming Lab.	1	Co A0812301
A0812402	Digital Logic Circuits Lab.	1	A0812401 co
A0822502	Electronics	3	A0872303
A0112101	linear Algebra	3	A0111102
A0872304	Electrical Circuits Lab	1	A0872303
A0812303	Data Structure	3	*A0812301
-	Elective University Requirement	3	-
<b>Total</b>		<b>18 CH</b>	

3 <sup>rd</sup> Year/ First Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0813401	Advanced Digital Design	3	*A0812401
A0813402	Microprocessors	3	A0812401
A0813301	Database Systems	3	A0812301
A0823502	Electronics Lab.	1	Co A0823502
A0823401	Signals and Systems	3	A0872303
A0813404	Microprocessors Lab.	1	Co A0813402
-	Elective University Requirement	3	-
<b>Total</b>		<b>17 CH</b>	

3 <sup>rd</sup> Year/ Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0813302	Software Engineering	3	A0812303
A0813501	Computer Networks	3	A0813402
A0823503	Digital Electronics	3	A0822502
A0823402	Communications Systems	3	A0823401
A0874501	Numerical Analysis	3	A0823401
-	Elective University Requirement	3	-
<b>Total</b>		<b>18 CH</b>	

4 <sup>th</sup> Year/ First Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0814301	Algorithms	3	A0812301
A0873501	Electrical Machines and Power Systems	3	A0872303
A0813201	Engineering Economy and Management	3	A0111101
A0814504	Computer Architecture and Organization	3	A0812301
A0814505	Computer Architecture and Organization Lab.	1	Co A0814504
A0823504	Digital Electronics Lab.	1	Co A0823503
<b>Total</b>		<b>14 CH</b>	

4 <sup>th</sup> Year/ Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0814406	Operating Systems	3	A0812401
A0815501	Computer Networking Protocols	3	*A0813501
A0814401	Embedded Systems	3	A0813402
A0814402	Embedded Systems Lab.	1	Co A0814401
A0874501	Control Systems	3	A0823401
-	Elective Major Requirement	3	-
<b>Total</b>		<b>16 CH</b>	

Summer semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0814601	Field Training	3	Pass (115) Cr.H.

5 <sup>th</sup> Year/ First Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0815502	Computer Networks Lab.	1	Co A0815501
A0815503	Networks and Data Protection System	3	A0815501
A0815301	Intelligent Systems and Neural Networks	3	A0814301
A0815601	Graduation Project (1)	1	Pass field Training (A0814601)*
-	Elective Major Requirement	3	-
<b>Total</b>		<b>11 CH</b>	

5 <sup>th</sup> Year/ Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite
A0161401	Military Sciences	3	-
A0815401	Distributed Systems and Parallel Processing	3	A0814406
A0815602	Graduation Project (2)	2	A0815601
-	Elective Major Requirement	3	-
<b>Total</b>		<b>11 CH</b>	