



First Year					
First Semester			Second Semester		
Course No.	Course Title	Cr. Hrs.	Course No.	Course Title	Cr. Hrs.
20132	Calculus (1)	3	11103	Structured Programming	3
20140	Basic Concepts in Chemistry	1	11151	Structured Programming Lab	1
20141	Physics (1)	3	20133	Calculus (2)	3
31112	Arabic Language Communication Skills	3	20134	Discrete Mathematics (1)	3
31122	English Language Communication Skills	3	20142	Physics (2)	3
31151	National Education	3	20150	Physics Lab	1
31160	Leadership and Societal Responsibility	0		Elective University Requirements	3
		Total			Total
		16			17

Second Year					
First Semester			Second Semester		
Course No.	Course Title	Cr. Hrs.	Course No.	Course Title	Cr. Hrs.
20200	Technical Writing and Communication Skills	3	21218	Engineering Drawing Lab	1
20231	Calculus (3)	3	21222	Electric Circuits (2)	3
20232	Engineering Mathematics(1)	3	21229	Electric Circuits Lab	1
20234	Linear Algebra	3	21233	Electronics Circuits Fundamentals	3
21219	Engineering Workshop	1	22241	Digital Logic Design	3
21221	Electric Circuits (1)	3	22242	Object Oriented Laboratory for IoT	1
22210	Programming Applications Lab	1	31251	Military Science	3
		Total			Total
		17			15

Third Year					
First Semester			Second Semester		
Course No.	Course Title	Cr. Hrs.	Course No.	Course Title	Cr. Hrs.
20331	Engineering Mathematics(2)	3	11325	Database Fundamentals	3
20335	Applied Probability and Statistics	3	22348	Digital Logic Lab	1
21338	Electronics Lab	1	27321	Electromagnetics (1)	3
27331	Introduction to IoT	3	27351	Internet of things programming and applications	3
27353	Signals and Systems	3	27355	Communication Principles	3
	Elective University Requirements	3	31254	Entrepreneurship and Innovation	3
		Total			Total
		16			16

Fourth Year					
First Semester			Second Semester		
Course No.	Course Title	Cr. Hrs.	Course No.	Course Title	Cr. Hrs.
24471	Automatic Control	3	27430	IoT Middleware Platforms	3
27420	Wireless and Mobile Communications	3	27451	Communication Networks	3
27441	IoT Security and Privacy	3	27452	Communication Networks Lab	1
27442	Internet of Things Security Lab	1	27470	IoT Sensor Networks	3
27450	Antennas and Waves Propagation	3	27471	IoT Sensor Networks Lab	1
27456	Communications Lab	1	31374	Life Skills	3
	Elective Program Requirements	3		Elective University Requirements	3
		Total			Total
		17			17



Recommended Study Plan for Bachelor's
Degree in Communications Engineering \ Internet of
Things

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Fifth Year					
First Semester			Second Semester		
Course No.	Course Title	Cr. Hrs.	Course No.	Course Title	Cr. Hrs.
22570	Artificial Intelligence and Machine Learning	3	24411	Engineering Ethics	1
27520	Mobile Communications & Wireless IoT Lab	1	27411	Engineering Economics	3
27550	Digital Signal Processing	3	27570	Fog Computing for IoT	3
27551	Wireless IoT	3	27592	Senior Design Project (2)	2
27591	Senior Design Project (1)	1		Elective Program Requirements	3
	Elective Program Requirements	3			
		Total			12
		14			

Course No.	Course Title	Cr. Hrs.	Course No.	Course Title	Cr. Hrs.
		Total			Total