



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 ProgrammingLab	1
20141	Physics (1)	3	20133	Calculus (2)	3
31122	English Language Communication Skills	3	20134	Discrete Mathematics (1)	3
31151	National Education	3	20142	Physics (2)	3
31160	Leadership and Societal Responsibility	0	20150	Physics Lab	1
			31112	Arabic Language Communication Skills	3
		Total	13		
				Total	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	21231	Electronics (1)	3
21219	Engineering Workshop	1	22241	Digital Logic Design	3
21221	Electric Circuits (1)	3	27251	Introduction to IoT	1
22242	Object Oriented Laboratory for IoT	1	31251	Military Science	3
		Total	17		
				Elective University Requirements	3
				Total	18

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
21331	Electronics (2)	3	23321	Electromagnetics (1)	3
21338	Electronics Lab	1	23355	Communication Principles	3
23351	Signals and Systems	3	23459	Communications Lab	1
23356	Programming Applications in Signals & Systems Lab	1	31254	Entrepreneurship and Innovation	3
27351	Internet of things programming and applications	3		Elective University Requirements	3
27352	Internet of things programming and applications Lab	1			Total
		Total	18		

Fourth Year					
First Semester			Second Semester		
Course No.	Course Title	Cr. Hrs.	Course No.	Course Title	Cr. Hrs.
22442	Embedded Systems	3	22448	Embedded Systems Lab	1
24471	Automatic Control	3	23454	Communication Networks	3
27450	Antennas and Waves Propagation	3	23455	Communication Networks Lab	1
31374	Life Skills	3	23457	Cellular Communications	3
	Elective Program Requirements	3	27453	IoT Sensors and Applications	3
		Total	15	27454	IoT Sensors and Applications Lab
					1
				Elective University Requirements	3
				Total	15



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	23411	Engineering Economics	3
23571	Digital Signal Processing	3	24411	Engineering Ethics	1
27551	Wireless IoT	3	27541	IoT Security and Privacy	3
27552	Cellular Communications and Wireless IoT Lab	1	27542	Internet of Things Security Lab	1
27591	Senior Design Project (1)	1	27592	Senior Design Project (2)	2
	Elective Program Requirements	3		Elective Program Requirements	3
	Total	14		Total	13