



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
21218	Engineering Drawing Lab	1	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	31112	Arabic Language Communication Skills	3
Total		14	Total		17

Second Year					
First Semester			Second Semester		
Course No.	Course Title	Cr. Hrs.	Course No.	Course Title	Cr. Hrs.
11206	Object Oriented Programming	3	11212	Data Structures and Introduction to Algorithms	3
11253	Object Oriented Programming Lab	1	20200	Technical Writing and Communication Skills	3
20231	Calculus (3)	3	20335	Applied Probability and Statistics	3
20232	Engineering Mathematics(1)	3	21219	Engineering Workshop	1
21221	Electric Circuits (1)	3	21222	Electric Circuits (2)	3
22210	Programming Applications Lab	1	25330	Information Security Fundamentals	3
22241	Digital Logic Design	3	Total		16
Total		17			

Third Year					
First Semester			Second Semester		
Course No.	Course Title	Cr. Hrs.	Course No.	Course Title	Cr. Hrs.
11323	Database Systems	3	20234	Linear Algebra	3
21231	Electronics (1)	3	22449	Computer Networks Lab	1
22348	Digital Logic Lab	1	22460	Operating Systems and Security	3
22443	Computer Networks	3	22462	Operating Systems Lab	1
25347	Cryptography	3	25441	Wireless Networks	3
	Elective University Requirements	3	27353	Signals and Systems	3
Total		16	31251	Military Science	3
			Total		17

Fourth Year					
First Semester			Second Semester		
Course No.	Course Title	Cr. Hrs.	Course No.	Course Title	Cr. Hrs.
22442	Embedded Systems	3	20333	Numerical Analysis	3
22560	Network Programming and Applications	3	22448	Embedded Systems Lab	1
24411	Engineering Ethics	1	22570	Artificial Intelligence and Machine Learning	3
25420	Networks Security	3	25430	Digital Forensics & Incident Response	3
25445	Wireless Networks Lab	1	25545	Network Security Lab	1
31374	Life Skills	3	27355	Communication Principles	3
	Elective University Requirements	3		Elective University Requirements	3
Total		17	Total		17



Recommended Study Plan for Bachelor's
Degree in Networks and Information Security
Engineering

Fifth Year					
First Semester			Second Semester		
Course No.	Course Title	Cr. Hrs.	Course No.	Course Title	Cr. Hrs.
25520	Penetration Testing	3	25543	Intrusion Detection & Network Forensics	3
25521	Defense Security Lab	1	25549	Ethical Hacking Techniques Lab	1
25591	Senior Project (1)	1	25592	Senior Project (2)	2
31254	Entrepreneurship and Innovation	3	27411	Engineering Economics	3
	Elective Program Requirements	6		Elective Program Requirements	3
		Total			Total
		14			12

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