

Course No.	Course Title	CR.H.	Prereq.	Course No.	Course Title	CR.H.	Prereq.
First: General Education of Program (33) CR.H.				0104230	Circuit Analysis I	3	0108203
				0104231	Circuit Analysis Lab	1	0104230
(1) Compulsory Courses (27) CR.H.				0104330	Circuit Analysis II	3	0104230
0102120	Computer Skills	3		0106330	Signals and Systems Analysis	3	0107202
0201111	Science and Life	3		0104331	Electronic Circuits	3	0104230
0406110	Islamic Culture	3		0104332	Electronics Lab	1	0104331
0401120	English (1)	3		0105410	Cryptography and Computer Network Security	3	0105400
0401121	English (2)	3	0401120	0106320	Data & Computer Communications	3	0104240
0405100	Arabic Language	3		0106340	Introduction to Communication Systems	3	0106330
0408100	Introduction to Psychology	3		0106331	Random Signals and Systems	3	0106330 & 0107103
0501170	Fundamentals to Innovation and Entrepreneurship	3		0106341	Communications Lab	1	0106340
0508203	Scientific Research Methodology	3					
(2) Elective Courses (6) CR.H.				0105400	Computer Network Protocols and Applications	3	0106320 & 0107103
The Student is required to choose Only One course from each of the following groups:				0105401	Network Lab	1	0105400
(a) Society and Civilization on (3) CR.H.				0105411	Computer Network Management	3	0105400
				0106440	Digital Communication	3	0106340 & 0106331
0407224	Ethical Awareness	3		0106441	Wireless Communication Fundamentals	3	0106440
0407298	Arabs and Muslims Contributions to Arts and Science	3		0107104	Calculus II	3	0107101
0407252	Arab Society	3		0107202	Engineering Math	3	0107104
0407392	Environmental Awareness	3		0108203	Physics II	3	0108103
(b) Managerial Skills (3) CR.H.				0108204	Physics II Lab	1	0108203
0407251	Self-Assessment	3		(2) Elective Courses (6) CR.H.			
0501100	Introduction to Time Management	3		0102451	Introduction to Distributed Systems	3	0102340 & 0105400
0501150	Leadership and Teamwork	3		0105420	Network Programming	3	0102221 & 0105400
0407111	Thinking Skills	3		0105421	Mobile IP	3	0105400
Second: Compulsory College Requirements (24) CR.H.				0105520	Advanced Networks	3	0105400
0107101	Calculus I	3		0106430	Digital Signal Processing	3	0106330
0107102	Linear Algebra	3	0107101	0106450	Antennas	3	0106350
0107103	Probability Theory and Statistics	3	0107101	0106451	Optical Communications	3	0106350
0107201	Introduction to Numerical Methods	3	0107102 & 0107104	0106550	Satellite Communications	3	0106440
0108103	Physics I	3		Fourth: Compulsory Supporting Courses (7) CR.H.			
0102220	Introduction to Programming	3	0102120	0102340	Operating Systems	3	0104242
0107200	Discrete Structures	3		0106350	Electromagnetic Theory	3	0107104 & 0108203
0201100	Chemistry	3		0108104	Physics I Lab	1	0108103
Third: Specialization on Course (69) CR.H.				Fifth: Internship (3) CR.H.			
(1) Compulsory Courses (63) CR.H.				0106580	NE Internship	3	>= 75 CR.H.
0102221	Object-Oriented Programming	3	0102220	Sixth: Capstone Project (4) CR.H.			
0104240	Digital Logic Design	3	0109200	0106590	Capstone Project I	2	>= 90 CR.H. + Dept. Approval
0104241	Digital Logic Design Lab	1	0104240	0106591	Capstone Project II	2	0106590
0102270	Data Structures and Algorithms	3	0102221				
0104242	Computer Architecture	3	0104240				