

2. Group Elective (15 credit hr.)

course	Course Name	Hr.	Prerequisite	Syn.
0401426	Encryption Basics	3	(0401320)	
0401440	Wireless Networks	3	(0401340)	
0401441	Networks Design & Management3	3	(0401340)	
0401442	Distributed Systems	3	(0401340)	
0401460	Neural networks	3	(0401360)	
0401495	Elective topics in computer science	3		
0402470	Database Design and implementation	3	(0402370)	
٠٤٠٢٤٧٣	Data Mining	3	(0402370)	
0106133	Technical Communication Skills	٣	0106232	

**Free –Elective Courses (3 credit Hr.)
3 Supportive Requirements (9 credit hr.)**

course	Course Name	Hr.	Prerequisite	Syn.
٠١٠٦٠١١٠٧	Mathematics For IT Students	3		
0106201	Probability and Statistics	3	٠١٠٦٠١١٠٧	
0106305	Linear algebra	3	٠١٠٦٠١١٠٧	

مدير دائرة القبول والتسجيل

عميد الكلية

1. Category Faculty Requirement (21Credit Hr.)

Course	Course Name	Hr.	Prerequisite	Syn.
0401100	Discrete Structures	3		
0401110	Computer Programming (I)	3		
0401111	Computer Programming (2)	3	(0401110)	
0401112	Programming Language Lab	1		0401111
0401210	Data Structures and Algorithms	3		
0401211	Data Structures and Algorithms lab	1		0401210
0401212	Object Oriented Programming	3	0401111	
0106232	Scientific Research Methodologies	3	0106171	
0402390	Ethical & Professional Issues1 in Computing	1		

**1.Category Major Requirement
Group Compulsory (57credit Hr.)**

Course	Course Name	Hr.	Prerequisite	Syn.
0401213	Visual Programming	3	(0401111)	
0401220	Computational Theory	3	(0401100)	
0401230	Logic Design & Compute & organization	3	(0401100)	
0401315	Programming Language Concepts	3	0401210	
0401320	Design and Analysis of algorithm	3	(0401210)	
0401330	Computer architecture	3	0401230	
0401335	Operating Systems	3	(0401230)	
0401336	Operating Systems-Lab	1		(0401335)
0401340	Fundamentals computer networks	3	(0401210)	
0401341	Fundamentals computer networks lab	1		(0401340)
0401360	Artificial intelligence	3	(0401210)	
0402399	Practical Training	1	90 Hr.	
0401415	Compiler construction	3	(0401315)	
0401425	Computer and network security	3	(0401340)	
0401450	Computer Graphics	3	(0401320)	
0401498	Graduation Project 1	1	90 Hr.	
0401499	Graduation Project 2	2	(0401498)	
0402245	Building Web Applications	3	(0401111)	
0402246	Building Web Applications lab	1		(0402245)
0402280	Software Engineering basic	3	(0401111)	
0402281	Software Engineering basic lab	1		(0402280)
0402370	Database Systems	3	(0401210)	
0402371	Database Systems Lab	1		(0402370)
0402380	Software Design	3	(0402280)	

1. category University Requirement (27 Credit Hr.)

1. Group Compulsory (12 credit Hr.)

Course	Course Name	Hr.	Prerequisite
0106100	Military Sciences	3	
0106161	Arabic Language (1)	3	(0106060)
0106171	English (1)	3	(0106070)
0106184	National Education	3	

2. Group Elective (15) Hrs.

a. Humanitarian Sciences (6 Credit Hr.)

Course	Course Name	Hr.	Prerequisite
0106162	Arabic Language(2)	3	(0106161)
0106163	Functional Writing	3	
0106164	Introduction to Library study	3	
0106165	Hebrew Language	3	
0106172	English (2)	3	(0106171)
0106180	Islamic Culture	3	

b. Social and Economical Sciences (6Credit Hr.)

Course	Course Name	Hr.	Prerequisite
0106121	The Low In Our Life	٣	
0106122	Human Rights	٣	
0106125	Contemporary Economic issues	٣	
0106181	Islamic and Arab Culture	٣	
0106182	History of Jerusalem and Palestinian Cause	٣	
0106183	Contemporary international affairs	٣	

c. science and technology & healthy(3 Credit Hr.)

Course	Course Name	Hr.	Prerequisite
0106110	Computer Skills (1)	٣	(0106099)
0106112	Science in our Life	٣	
0106113	Human and Environment	٣	
0106233	Physical and Health education	٣	