

Computer Science and Applications

Year 1							
Second semester				First semester			
Pre-request	Hours	Course	Course no	Pre-request	Hours	course	Course no
1910011101	3	Object oriented (1)	1910011110	-	3	Introduction to programming	1910011100
with1910011110	1	Object oriented (1) Lab	1910011111	1910011100 with	1	Introduction to programming Lab	1910011101
110101152	3	Digital Logic Design	1910011123	-	3	Discrete Mathematics	110101152
-	3	Principles of Statistics	110108103	-	3	Calculus 1	110108101
Level exam in English or 121602099	3	English language	121602101	Level exam in Arabic or 121601099	3	Arabic Language	121601101
110108101	3	Calculus 2	110101102		3	Optional University Requirement	
	16	Total			16	Total	

Year 2							
Second Semester				First Semester			
Pre-request	Hours	Course	Course no	Pre-request	Hours	course	Course no
1910011110	3	Visual programming	1910011214	1910011111	3	Data structure	1910011250
1910011214	1	Visual programming lab	1910011215	1910011110	3	Object oriented (2)	1910011212
1910011250	3	Introduction to Database	151002240	with 1910011212	1	Object oriented (2) Lab	1910011213
151002240 with	1	Introduction to Database Lab	151002241	1910011110	3	Basics of Soft. Eng.	151003260
	3	Linear 1	110101241	110101152	3	Theory	1910011240
-	3	Military science	1714041117	-	3	National education	1714041118
	3	Optional University Requirement					
	17	Total			16	Total	

Year 3							
Second Semester				First Semester			
Pre-request	Hours	course	Course no	Pre-request	Hours	course	Course no
151002240	3	Information Systems Security	151002471	1910011212	3	Web programming	151002310
And 1910011110 110101241	3	Numerical Methods	110101408	1910011250	3	Artificial Intelligence	1910011460
110408240	3	Operating Systems	1910011431	110408220 Or 1910011123	3	Design and organization of computer	110408240
110408240	3	Computer Networks	1910011320	1910011250	3	Algorithms	1910011351
110408240	3	Basics of Computer Architecture	110408343		3	Optional specialization Requirement	
	3	Optional specialization Requirement			3	Optional University Requirement	
	18	Total			18	Total	

Year 4							
Second Semester				First Semester			
Pre-request	Hours	course	Course no	Pre-request	Hours	course	Course no
1701081136	3	General physics 2	110102102	1910011320	3	Parallel and Distributed Computing	1910011423
1910011490	2	Graduation Project 2	1910011491	-	3	General physics 1	1701081136
Complete 90 H	3	Practical Training	111002490	1701081136	1	General physics 1ab	110102103
	3	Optional University Requirement		151002240	3	System Analysis and design	151002470
	3	Optional University Requirement		Complete 80 H	1	Graduation Project 1	1910011490
					3	Optional specialization Requirement	
					3	Optional specialization Requirement	
	14	Total			17	Total	

132	Total Hours
University Requirement	12
Optional University Requirement	15
Faculty Requirement	22
Mandatory specialization Requirement	71
Optional specialization Requirement	12