Year	Semest er	Course Title	Credit hours	Lectures	Lab
First	First	Programming I	4	3	2
35	16	Mathematics for computing	3	3	0
		Computer Skills	3	2	2
		English Language I	2	2	0
		Democracy Education	2	2	0
		& Human Rights			
		Select Course from list (A)***	2	•••	•••
	Second	Programming II	4	3	2
	19	Digital Logic Design	4	3	2
		Computer Applications	3	2	2
		Discrete Structures for computer science	3	3	0
		Principles of	3	2	2
		Information technology	2	2	0
Secon	First	English Language II Introduction to Object	3	2	2
d	17	Oriented programming	3	2	4
35	17	Computer Graphics	3	2	2
33		Microprocessor and	3	2	2
		assembly language	3		2
		Database concepts and design	3	2	2
		Probability and statistics	3	3	0
		Arabic Language Skills	2	2	0
	Second	Advanced Object	3	2	2
	18	Oriented programming			
		Visual Programming	3	2	2
		Computation theory	3	3	0
		System Analysis and Design	3	3	0
		Data Structures	3	2	2
		Numerical methods	3	2	2
Third	First	Artificial Intelligence	3	2	2
35	17	Software Engineering	3	3	0
	_ 	Web Programming	3	2	2

Advanced Data 3 2 2			Computer Networks I	3	3	0
Structures			_		_	
Concepts of Programming languages				3	2	<u> </u>
Programming languages Second 18				•	2	Λ
Second 18			_	2	2	U
Second Complier construction 4						
The state of the			0 0			
Advanced Web design 3			_	<u> </u>		
Operations Research 3		18				
Computer Ethics 2 2 0						
Select Course from list (B)*** Fourt h 19			Operations Research		3	0
Computer modeling and simulation Computer and network Security Human-Computer Select Course from list Communication Skills Communication			Computer Ethics		2	0
Mobile Applications Second Computer modeling Computer and network Security Human-Computer Select Course from list Computer and network Security Communication Skills Communication Skill				3	•••	•••
Programming Computer vision & 3 2 2 2	Fourt h		Operating Systems	3	2	2
Programming Computer vision & 3 2 2 2	35		Mobile Applications	3	2	2
Computer vision & 3 2 2 2						
Multimedia Data Mining & 3 2 2 2 Warehousing Cloud computing 2 2 0 Graduation Project I 2 1 2 2 Select Course from list 3 (B)*** Second Computer modeling 3 2 2 2 3 3 3 3 3 3				3	2	2
Data Mining & 3 2 2 2 Warehousing Cloud computing 2 2 0 Graduation Project I 2 1 2 2 Select Course from list 3 (B)*** Second Computer modeling 3 2 2 2 3 3 2 2 2 3 3			_			
Warehousing Cloud computing 2 2 0 Graduation Project I 2 1 2 Select Course from list 3 (B)*** Second Computer modeling 3 2 2 and simulation Computer and network 3 2 2 Security Human-Computer 3 2 2 Interaction Graduation Project II 2 0 4 Communication Skills 2 2 0 Select Course from list 3 (B)***				3	2	2
Cloud computing 2 2 0 Graduation Project I 2 1 2 Select Course from list 3 (B)*** Second 16				_		_
Graduation Project I 2 1 2				2	2	0
Select Course from list						
Second Computer modeling 3 2 2 2						
Second Computer modeling 3				· ·	•••	•••
16 and simulation Computer and network 3 2 2 Security Human-Computer 3 2 2 Interaction Graduation Project II 2 0 4 Communication Skills 2 2 0 Select Course from list 3 (B)***		Second	` /	3	2.	2.
Computer and network Security Human-Computer Interaction Graduation Project II 2 0 4 Communication Skills 2 2 0 Select Course from list 3 (B)***				S	_	
Security Human-Computer 3 2 2 Interaction Graduation Project II 2 0 4 Communication Skills 2 2 0 Select Course from list 3 (B)***		10		3	2	2
Human-Computer Interaction Graduation Project II 2 0 4 Communication Skills 2 2 0 Select Course from list 3 (B)***			-	3		
Interaction Graduation Project II 2 0 4 Communication Skills 2 2 0 Select Course from list 3 (B)***			-	3	2.	2.
Graduation Project II 2 0 4 Communication Skills 2 2 0 Select Course from list 3 (B)***				3		
Communication Skills 2 2 0 Select Course from list 3 (B)***				2	Λ	1
Select Course from list 3 (B)***			ŭ			
(B)***					<u> </u>	U
*** Approval of Council of the Computer Science Department				3	•••	•••
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