



Curriculum for BSc Degree in Computer Information Systems

First Year - Semester 1					
Code	Course Title	Contact Hours / Week			ECTS Credits
		Theory	Practical	Tutorial	
CS17111	Programming Fundamentals I	2	3	2	8
CS17113	Digital Logic	2	2	2	7
KRD151	Kurdology كوردولوجى	3	0	0	5
ENG151	English Language 1 اللغة الإنكليزية 1	2	0	2	6
CS17112	Computer Literacy Computer Literacy	0	3	0	4
Total		9	8	6	30
			23		

First Year - Semester 2					
Code	Course Title	Contact Hours / Week			ECTS Credits
		Theory	Practical	Tutorial	
CS17121	Programming Fundamentals II	2	3	2	8
CS17122	Discrete Mathematics	2	0	2	5
CS17123	Information Technology Fundamentals	2	2	0	5
ENG152	English Language 2 اللغة الإنكليزية 2	2	0	2	6
CS17124	Computer Architecture	2	0	2	6
Total		10	5	8	30
			23		

Second Year - Semester 1					
Code	Course Title	Contact Hours / Week			ECTS Credits
		Theory	Practical	Tutorial	
CS17131	Database Systems I	2	2	2	7
CS17132	Calculus	2	0	2	6
CS17133	Object Oriented Programming	2	2	2	7
CS17134	Fundamentals of Statistics	2	2	0	5
CS17135	Foundations of Information Systems	2	0	2	5
Total		10	6	8	30
			24		

Second Year - Semester 2					
Code	Course Title	Contact Hours / Week			ECTS Credits
		Theory	Practical	Tutorial	
CS17141	Data Structures and Algorithms	2	2	2	7
CS17142	Web Application Development I	2	2	2	6
CS17143	Database Systems II	2	2	2	7
CS17144	Multimedia	2	2	1	5
CS17145	Systems Analysis & Design	2	0	1	5
Total		10	8	8	30
			26		



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Third Year - Semester 1					
Code	Course Title	Contact Hours / Week			ECTS Credits
		Theory	Practical	Tutorial	
CS17151	Web Application Development II	2	3	2	7
CS17152	Advanced Programming	2	2	1	5
CS17153	Network Essentials	2	2	2	7
CS17154	Information Security and Ethics	2	0	1	5
CS17155	Software Development Fundamentals	2	0	2	6
Total		10	7	8	30
			25		

Third Year - Semester 2					
Code	Course Title	Contact Hours / Week			ECTS Credits
		Theory	Practical	Tutorial	
CS17161	Web Application Development III	2	3	1	6
CS17162	Advanced Networks	2	2	0	6
CS17163	UX and UI Design	2	2	2	6
CS17164	Mobile Application Development I	2	0	2	7
CS17165	IS Management & Strategy	2	0	1	5
Total		10	7	6	30
			23		

Fourth Year - Semester 1					
Code	Course Title	Contact Hours / Week			ECTS Credits
		Theory	Practical	Tutorial	
CS17171	Operating Systems	2	2	2	7
CS17172	Mobile Application Development II	2	3	2	7
CS17173	IS Project Management	2	0	1	5
CS17174	Human-Computer Interaction	2	0	0	5
CS17175	Elective-1	2	2	2	6
Total		10	7	7	30
			24		

Fourth Year - Semester 2					
Code	Course Title	Contact Hours / Week			ECTS Credits
		Theory	Practical	Tutorial	
CS17181	Capstone Project	2	0	2	7
CS17182	Emerging Technologies	2	3	1	5
CS17183	Advanced Operating Systems	2	2	1	6
CS17184	Elective-2	2	2	0	6
CS17185	Elective-3	2	2	0	6
Total		10	9	4	30
			23		