

Computer Science Major Sheet for Fall 2018-2019

Courses	Credits	Courses	Credits
First: University Requirements (27 Credits)*		B. Elective courses (12 credits)	
A- Compulsory Requirements (15 credits)		A student takes 12 credits from the College of Science but not in mathematics, statistics, or operation research. These 12 credits must include two consecutive science courses in the same discipline. Each of these two courses must include a laboratory in which the scientific method is applied.	
0310101 Language Skills Communication	3		
0330100 Modern and Contemporary History of Kuwait	3		
0330102 Arab Islam Civilization	3		
9988161 English Language I	3	Third: Department Requirements (72 credits)	
9988162 English Language II	3	A. Compulsory Courses (57 credits)	
B-Elective Courses (12 Credits)		1710111 Discrete Mathematics for Computer Science	3
Students Choose 3 Credits from each groups		1710141 Computer Programming I	4
Group (A) Language and Communications		1710142 Computer Programming II	4
0310100 Culture and Literature in Kuwait	3	1710201 Data Structures and Algorithms	3
0310102 The Aesthetics of Arabic Literature	3	1710211 Theory of Computation I	3
0310104 Aesthetics of Quranic Stylistics	3	0410211 Calculus (3)	3
0320180 Principles of Translation	3	1710220 Programming in C and Unix	3
9988163 English Language III	3	1710221 Computer Systems	4
9988173 Technical Writing	3	1710223 Systems Programming	4
Group (B) Varying Culture		1710301 Algorithms Design and Analysis	3
0360101 Philosophy of Science	3	1710321 Operating Systems	3
0360102 Introduction to Logic	3	1710331 Computer Networks	4
0360103 Principles of Philosophy	3	1710311 Numerical Computation	3
1011110 Principles of Management	3	1710390 Software Engineering	3
1030104 Principles of Economics	3	1710470 Database Systems	4
1360105 Comparative Perspectives on Women and Politics	3	1710491 Capstone Project I	3
		1710492 Capstone Project II	3
Group (C) Social and Humanity Sciences		B. Elective Courses (15 credits)	
0380101 Introduction to Mass Communication	3	Students chooses 15 credits from the following courses:	
0820201 Principles of Education	3	1710315 Theory of Computation II	3
0830136 Family Education	3	1710325 Computer Architecture	3
1350101 Introduction to Psychology	3	1710335 Web Development	3
1370101 Introduction to Sociology	3	1710346 Declarative Programming	3
1370171 Introduction to Anthropology	3	1710347 Compiler Design	3
Group (D) Islamic, Arabic & National Culture		1710365 Artificial Intelligence	3
0200102 Legal Culture	3	1710415 Information Theory and Cryptography	3
0200105 Human Rights	3	1710416 Modeling and Performance Evaluation	3
0360108 Ethics and Modern Society	3	1710425 Distributed and Parallel Systems	3
0900102 Islamic Culture	3	1710426 Embedded Microprocessor Systems	3
0940142 Islam and Modern Society	3	1710455 Computer Graphics	3
0940145 Islam and Issues of Science and Technology	3	1710475 Distributed Database Systems	3
1360103 Government and Politics of Kuwait	3	1710496 Topics in Computer Science I	3
		1710497 Topics in Computer Science II	3
Second: Science College Requirements (24 credits)		Among the elective courses students have to choose at least one of the courses (1710335, or 1710346) and at least 6 credits of 400 level	
A- Compulsory (12 credits)		Fourth: University Free Electives (6 credits)	
0410101 Calculus (1)	3	To be selected from courses offered by Kuwait University with the preapproval of the computer Science department and not in basic mathematics, basic statistics, IT, informatics, and basic computing.	
0410102 Calculus (2)	3		
0410111 Linear Algebra	3		
0480201 Statistics for Science and Engineering	3		
Total Credits Needed			129 Credits

* Non-Arab students may take the following courses as University requirements: Arabic for non-Arabs: 192, 193,

