Computer Science Major Sheet for Students Admitted in Fall 2018/2019 or Later

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)		0418111 Discrete Mathematics for Computer Science	3
Students choose three credits from each group		0418141 Computer Programming I	4
Group (A) Language and Communications		0418142 Computer Programming II	4
0310100 Culture and Literature in Kuwait	3	0418201 Data Structures and Algorithms	3
0310102 The Aesthetics of Arabic Literature	3	0418211 Theory of Computation I	3
0310104 Aesthetics of Quranic Stylistics	3	0410211 Calculus (3)	3
0320180 Principles of Translation	3	0418220 Programming in C and Unix	3
9988163 English Language III	3	0418221 Computer Systems	4
9988173 Technical Writing	3	0418223 Systems Programming	4
Group (B) Varying Culture		0418301 Algorithms Design and Analysis	3
0360101 Philosophy of Science	3	0418321 Operating Systems	3
0360102 Introduction to Logic	3	0418331 Computer Networks	4
0360103 Principles of Philosophy	3	0418311 Numerical Computation	3
1011110 Principles of Management	3	0418390 Software Engineering	3
1030104 Principles of Economics	3	0418470 Database Systems	4
1360105 Comparative Perspectives on Women and Politics	3	0418491 Capstone Project I	3
		0418492 Capstone Project II	3
Group (C) Social and Humanity Sciences		**B. Elective Courses (15 credits)**	
0380101 Introduction to Mass Communication	3	Students choose 15 credits from the following courses:	
0820201 Principles of Education	3		
		0418315 Theory of Computation II	3
0830136 Family Education	3	0418325 Computer Architecture	3
		0418335 Web Development	3
1350101 Introduction to Psychology	3	0418346 Declarative Programming	3
1370101 Introduction to Sociology	3	0418347 Compiler Design	3
1370171 Introduction to Anthropology	3	0418365 Artificial Intelligence	3
Group (D) Islamic, Arabic & National Culture		0418415 Information Theory and Cryptography	3
0200102 Legal Culture	3	0418416 Modeling and Performance Evaluation	3
0200105 Human Rights	3	0418425 Distributed and Parallel Systems	3
0360108 Ethics and Modern Society	3	0418426 Embedded Microprocessor Systems	3
0900102 Islamic Culture	3	0418455 Computer Graphics	3
0940142 Islam and Modern Society	3	0418475 Distributed Database Systems	3
0940145 Islam and Issues of Science and Technology	3	0418496 Topics in Computer Science I	3
1360103 Government and Politics of Kuwait	3	0418497 Topics in Computer Science II	3
Second: Science College Requirements (24 credits)		Among the elective courses, students must choose at least one of the courses (0418335 or 0418346) 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	**Total Credits Needed**	**129 Credits**
0480201 Statistics for Science and Engineering	3		

* Non-Arab students may take the following courses as University requirements: Arabic for non-Arabs: 192, 193, 194.