The Bachelor's Degree in Computer Science awarded at Princess Sumaya University for Technology after the successful completion of 132 Credit Hours distributed as follows:-

University Requirements (27 CHs)

1. Compulsory Requirements (18 CHs)

Course Number	Course Title	Credit Hours	Prerequisite	Concurrent	Online
11100	Computer Skills (Remedial)	0			Online
31021	Arabic Language Communication Skills (Remedial)	0			Online
31022	English Language Communication Skills (Remedial)	0			Online
31112	Arabic Language Communication Skills	3	31021		Online
31122	English Language Communication Skills	3	31022		Online
31151	National Education	3			Online
31160	Leadership and Societal Responsibility	0			
31251	Military Science	3			Online
31254	Entrepreneurship and Innovation	3	Finish 60 Credit Hours		Online
31374	Life Skills	3	Finish 60 Credit Hours		Online

2. Elective Requirements (9 CHs)

Course Number	Course Title	Credit Hours	Prerequisite	Concurrent	Online
20251	History of Science	3			Blended
31100	Sports and Health	3			Blended
31130	Foreign languages	3			Blended
31152	Arabic Islamic Civilization	3			Blended
31211	Arabic Literature	3	31112		Blended
31252	Governance and Development	3			Blended
31260	Human Rights	3			Blended
31261	Introduction to Politics and Economic Science	3			Blended
31264	Introduction To Psychology	3			Blended
31272	Development and Environment	3			Blended
31311	Scientific Research Methods	3			Blended
31351	Contemporary Issues in the Arab World	3			Blended
31352	Jerusalem : History and Facts	3			Blended
31362	Philosophy and Critical Thinking	3			Blended

School Requirements (25 CHs)

1. Compulsory Requirements (25 CHs)

Course Number	Course Title	Credit Hours	Prerequisite	Concurrent	Online
11102	Introduction to Computer Science	3			

Course Number	Course Title	Credit Hours	Prerequisite	Concurrent	Online
11103	Structured Programming	3	11102		
11151	Structured Programming Lab	1		11103	
20132	Calculus (1)	3			
20133	Calculus (2)	3	20132		
20134	Discrete Mathematics (1)	3			Blended
20200	Technical Writing and Communication Skills	3	31112 , 31122		Blended
20233	Statistical Methods	3			Blended
20234	Linear Algebra	3	20133		

Program Requirements (80 CHs)

1. Compulsory Requirements (71 CHs)

Course Number	Course Title	Credit Hours	Prerequisite	Concurrent	Online
11206	Object Oriented Programming	3	11103		
11212	Data Structures and Introduction to Algorithms	3	11206 , 20134		
11253	Object Oriented Programming Lab	1		11206	Online
11313	Algorithms Design and Analysis	3	11212		
11316	Theory of Computation	3	11206 , 20135		
11323	Database Systems	3	11212		
11335	Operating Systems	3	11212 , 22342		
11354	Database Systems Lab	1		11323	Online
11355	Operating Systems Lab	1		11335	Online
11391	Practical Training	3	Finish 90 Credit Hours		
11435	Data Communications & Computer Networks	3	11212		
11449	Computer and Society	1	Finish 70 Credit Hours		Online
11464	Information Systems Security	3	11435		
11493	Graduation Project 1	1	Finish 90 Credit Hours		
11494	Graduation Project 2	2	11493		
12242	Webpage Design and Internet programming LAB	1		12243	Online
12243	Webpage Design and Internet programming	3	11206		Blended
12343	Visual Programming	3	11206		Blended
13477	Software Engineering	3	11323		Blended
14330	Artificial Intelligence	3	11212		
20135	Discrete Mathematics (2)	3	20134		Blended
20141	Physics (1)	3			
20142	Physics (2)	3	20141		
20147	Physics Lab	0		20141	
20333	Numerical Analysis	3	20133		Blended
20336	Principles of Probability	3	20133 , 20233		Blended
22241	Digital Logic Design	3			

Study Plan for Bachelor'sDegree in Computer Science for year 2021-2022

Course Number	Course Title	Credit Hours	Prerequisite	Concurrent	Online
22342	Computer Organization and Assembly Language	3	22241		Blended
22541	Computer Architecture	3	22342		

2. Elective Requirements (9 CHs)

Course Number	Course Title	Credit Hours	Prerequisite	Concurrent	Online
11343	Special Topic in Computer Science (1)	3			
11344	Advanced Topics in Internet Programming	3	12243		
11347	Electronic Business	3	12243		
11417	Compiler Design and Programming Languages	3	11316		
11436	Distributed Systems	3	11435		
11446	Special Topic in Computer Science (2)	3			
11447	Wireless Networks and Applications	3	11435		
12273	Computer Graphics	3	11212		
12324	Human Computer Interaction	3	11206		Blended
12348	Multimedia Systems	3	11206		
12446	Digital Image Processing	3	11212		
13324	System Analysis And Design	3	11425		
13334	Mobile Application Development	3	11206		
13432	Software Project Management	3	13324		
20332	Operations Research	3	20133		