Recommened Study Plan for Bachelor's Degree in Computer Science for year 2021-2022

First Year

First Semester			Second Semester		
Course No.	**Course Title**	**Cr. Hrs.**	**Course No.**	**Course Title**	**Cr. Hrs.**
11102	Introduction to Computer Science	3	11103	Structured Programming	3
20132	Calculus (1)	3	11151	Structured Programming Lab	1
20141	Physics (1)	3	20133	Calculus (2)	3
20147	Physics Lab	0	20134	Discrete Mathematics (1)	3
31122	English Language Communication Skills	3	20142	Physics (2)	3
31151	National Education	3	31112	Arabic Language Communication Skills	3
31160	Leadership and Societal Responsibility	0		**Total**	**16**
	Total	**15**			

Second Year

First Semester			Second Semester		
Course No.	**Course Title**	**Cr. Hrs.**	**Course No.**	**Course Title**	**Cr. Hrs.**
11206	Object Oriented Programming	3	11212	Data Structures and Introduction to Algorithms	3
11253	Object Oriented Programming Lab	1	11316	Theory of Computation	3
20135	Discrete Mathematics (2)	3	12242	Webpage Design and Internet programming LAB	1
20200	Technical Writing and Communication Skills	3	12243	Webpage Design and Internet programming	3
20234	Linear Algebra	3	20233	Statistical Methods	3
31251	Military Science	3	22241	Digital Logic Design	3
	Total	**16**		**Total**	**16**

Third Year

First Semester			Second Semester		
Course No.	**Course Title**	**Cr. Hrs.**	**Course No.**	**Course Title**	**Cr. Hrs.**
11313	Algorithms Design and Analysis	3	11335	Operating Systems	3
11323	Database Systems	3	11355	Operating Systems Lab	1
11354	Database Systems Lab	1	11449	Computer and Society	1
12343	Visual Programming	3	13477	Software Engineering	3
22342	Computer Organization and Assembly Language	3	14330	Artificial Intelligence	3
	Elective University Requirements	3	20333	Numerical Analysis	3
	Total	**16**		Elective University Requirements	3
				Total	**17**

Fourth Year

First Semester			Second Semester		
Course No.	**Course Title**	**Cr. Hrs.**	**Course No.**	**Course Title**	**Cr. Hrs.**
11435	Data Communications & Computer Networks	3	11464	Information Systems Security	3
11493	Graduation Project 1	1	11494	Graduation Project 2	2
22541	Computer Architecture	3	20336	Principles of Probability	3
31254	Entrepreneurship and Innovation	3	31374	Life Skills	3
	Elective Program Requirements	6		Elective Program Requirements	3
	Total	**16**		Elective University Requirements	3
				Total	**17**