



Recommended Study Plan for Bachelor's
Degree in Software Engineering
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
31112	Arabic Language Communication Skills	3	20134	Discrete Mathematics (1)	3
31122	English Language Communication Skills	3	31151	National Education	3
31160	Leadership and Societal Responsibility	0	31374	Life Skills	3
	Elective University Requirements	3		Elective University Requirements	3
		Total			Total
		15			16

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	12343	Visual Programming	3
20133	Calculus (2)	3	13211	Introduction to Software Engineering	3
20200	Technical Writing and Communication Skills	3	20234	Linear Algebra	3
31251	Military Science	3	22241	Digital Logic Design	3
31254	Entrepreneurship and Innovation	3		Elective University Requirements	3
		Total			Total
		16			18

Third Year					
First Semester			Second Semester		
Course No.	Course Title	Cr. Hrs.	Course No.	Course Title	Cr. Hrs.
11323	Database Systems	3	11313	Algorithms Design and Analysis	3
11354	Database Systems Lab	1	13326	Software Engineering Approaches to Human Computer Interaction	3
12242	Webpage Design and Internet programming LAB	1	20233	Statistical Methods	3
12243	Webpage Design and Internet programming	3	22342	Computer Organization and Assembly Language	3
13212	Software Construction	3		Elective Program Requirements	3
13324	System Analysis And Design	3			Total
	Elective Program Requirements	3			15
		Total			17

Fourth Year					
First Semester			Second Semester		
Course No.	Course Title	Cr. Hrs.	Course No.	Course Title	Cr. Hrs.
11335	Operating Systems	3	11435	Data Communications & Computer Networks	3
11355	Operating Systems Lab	1	13428	Software Quality Assurance and Testing	3
11449	Computer and Society	1	13435	Database Management System	3
13325	Software Requirements Analysis	3	13493	Graduation Project 2	2
13327	Software Design and Architecture	3		Elective Program Requirements	3
13432	Software Project Management	3			Total
13491	Graduation Project 1	1			14
	Elective Program Requirements	3			
		Total			18