

İstanbul Gedik University
Faculty of Engineering
Department of Software Engineering
(100% English)

YEAR ONE

1st Term

Code	Course Name	T	P	L	C	ECTS	Prerequisite
SEN101	Introduction to Software Engineering	2	2	0	3	4	
MATH111	Calculus-I	3	2	0	4	6	
PHY101	Physics-I	3	0	2	4	6	
CHE111	General Chemistry	3	0	2	4	6	
ENG101	English-I	3	0	0	3	3	
RPSC 109	Positive Psychology and Communication Skills	3	0	0	3	5	
UCUL 101	University Culture-I	0	2	0	1	1	
Total Credits		17	6	4	22	31	

2nd Term

Code	Course Name	T	P	L	C	ECTS	Prerequisite
SENC102	Introduction to Algorithms and Programming	2	0	2	3	4	
MATH104	Discrete Mathematics	3	0	0	3	4	
MATH112	Calculus-II	3	2	0	4	6	
PHY102	Physics-II	3	0	2	4	6	
ENG102	English-II	3	0	0	3	3	
MATH210	Linear Algebra	2	0	2	3	5	
UCUL 102	University Culture-II	0	2	0	1	1	
Total Credits		16	4	6	21	29	

YEAR TWO

3rd Term

Code	Course Name	T	P	L	C	ECTS	Prerequisite
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4th Term

Code	Course Name	T	P	L	C	ECTS	Prerequisite
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SEN201	Software Requirements Analysis	3	0	0	3	6		SEN202	Software Design and Architecture	3	0	0	3	6	
SENC201	Object Oriented Programming-I	2	0	2	3	4		SEN204	Software Construction	2	0	2	3	5	
SENC205	Data Structures	2	0	2	3	5	SENC102	SENC202	Object Oriented Programming-II	2	0	2	3	4	
SENC207	Computer Architecture	3	0	0	3	4		MATH230	Statistics and Probability	3	0	0	3	5	
MATH220	Differential Equations	2	2	0	3	5		TUR102	Turkish Language-II	2	0	0	2	3	
TUR101	Turkish Language-I	2	0	0	2	3		ATA102	Principles of Atatürk and History of Revolutions-II	2	0	0	2	3	
ATA101	Principles of Atatürk and History of Revolutions-I	2	0	0	2	3		SEN284	Summer Practice-I	0	0	0	0	5	
Total Credits		16	2	4	19	30		Total Credits		14	0	4	16	31	
YEAR THREE															
5th Term								6th Term							
Code	Course Name	T	P	L	C	ECTS	Prerequisite	Code	Course Name	T	P	L	C	ECTS	Prerequisite
SEN301	Software Validation and Testing	2	0	2	3	5		SEN302	Software Project Management	2	0	2	3	5	
SENC301	Database Management Systems	2	0	2	3	5		MATH302	Numerical Analysis	3	0	0	3	6	
SENC307	Operating Systems	2	0	2	3	4		XXXXXX	Social Elective - I	3	0	0	3	5	
SENXXX	Departmental Elective - I (<i>Project Based</i>)	3	0	0	3	5		SENXXX	Departmental Elective - II (Project Based)	3	0	0	3	5	

