

Software Engineering Double Major Programs for Other Departments

Course Code	Course Name	Credit	Departments					
			CENG	IE	EE	CE	ME	MECE
SENG 102	Computer Programming II	3 2 4		X	X	X	X	X
SENG 201	Data Structures	3 2 4		X	X	X	X	X
MATH 223	Introduction to Applied Probability and Statistics	4 0 4					X	
SENG 206	Software Design	3 0 3	X	X	X	X	X	X
SENG 271	Software Project I	0 2 1		X	X	X	X	X
SENG 203	Discrete Structures	3 0 3		X	X	X	X	X
CENG 383	Algorithms	3 0 3		X	X	X	X	X
SENG 205	Software Requirement Analysis	3 0 3	X	X	X	X	X	X
SENG 272	Software Project II	0 2 1	X	X	X	X	X	X
SENG 315	Concurrent Programming	3 0 3		X	X	X	X	X
SENG 303	Software Testing for Quality Assurance	3 0 3	X	X	X	X	X	X
SENG 383	Software Project III	0 2 1	X	X	X	X	X	X
SENG 301	Software Project Management	2 2 3	X	X	X	X	X	X
SENG 306	Database Modelling and Design	3 0 3		X	X	X	X	X
SENG 326	Software Architecture	3 0 3	X	X	X	X	X	X
SENG 384	Software Project IV	0 2 1	X	X	X	X	X	X
SENG 491	Graduation Project I	1 4 3	X	X	X	X	X	X
SENG 492	Graduation Project II	1 4 3	X	X	X	X	X	X
SENG 300	Summer Training II (*)	0 0 0	X	X	X	X	X	X

SENG 4XX	Technical Elective	3 0 3	X	X	X	X	X	X
SENG 4XX	Technical Elective	3 0 3	X	X	X	X	X	X
SENG 4XX	Technical Elective	3 0 3	X	X	X	X	X	X
SENG 4XX	Technical Elective	3 0 3		X	X	X	X	X
SENG 4XX	Technical Elective	3 0 3	X	X	X	X	X	X
SENG 4XX	Technical Elective	3 0 3	X	X	X	X	X	X
SENG 4XX	Technical Elective	3 0 3		X	X	X	X	X
SENG 4XX	Technical Elective Lab	1 2 2	X	X	X	X	X	X
SENG 4XX	Technical Elective Lab	1 2 2	X	X	X	X	X	X
	Total Credits		44	71	71	71	75	71

Department Abbreviations	
CENG	Computer Engineering
IE	Industrial Engineering
EE	Electrical and Electronics Engineering
CE	Civil Engineering
ME	Mechanical Engineering
MECE	Mechatronics Engineering

In the Software Engineering Double Major Curriculum, the courses that students from each department must take are marked with “X”.

(\*) The Summer Internship-I course in their department must have been completed.

#### Software Engineering Minor Programs for Other Departments

Course Cod	Course Name	Kredi	Departments*				
			IE	EE	CE	ME	MECE
SENG 201	Data Structures	3 2 4	X	X	X	X	X
SENG 206	Software Design	3 0 3	X	X	X	X	X
SENG 271	Software Project I	0 2 1	X	X	X	X	X
CENG 383	Algorithms	3 0 3	X	X	X	X	X
SENG 205	Software Requirement Analysis	3 0 3	X	X	X	X	X
SENG 272	Software Project II	0 2 1	X	X	X	X	X

SENG 315	Concurrent Programming	3 0 3	X	X	X	X	X
SENG 303	Software Testing for Quality Assurance	3 0 3	X	X	X	X	X
SENG 383	Software Project III	0 2 1	X	X	X	X	X
SENG 306	Database Modelling and Design	3 0 3	X	X	X	X	X
SENG 326	Software Architecture	3 0 3	X	X	X	X	X
SENG 384	Software Project IV	0 2 1	X	X	X	X	X
SENG 4XX	Technical Elective Lab	1 2 2	X	X	X	X	X
Toplam Kredi			31	31	31	31	31

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