Department of Software Engineering

Undergraduate Curriculum

ATACS Curriculum Name: "SE-CUR-2012-2013 Güz Dönemi-1"

(valid for students, who enrolled the department before 2013-2014 academic year)

Course Code	Course Name	Credit	ECTS
1. Semester			
PHYS101	General Physics I	4	6
CMPE109	Fundamentals of Computing	2,5	2,5
MATH151	Calculus I	5	7
ENG101	English For Academic Purposes I	4	3,5
CHE105	General Chemistry	4	5
CMPE113	Computer Programming I	3	4
2. Semester			
MATH152	Calculus II	5	7
ENG102	English for Academic Purposes II	3	3,5
PHYS102	General Physics II	4	6
CMPE114	Computer Programming II	4	5
SE112	Introduction to Software Engineering	3	3,5
3. Semester			
ENG201	English for Academic Purposes III	3	3
SE221	Software Requirements Engineering	3	6
CMPE251	Discrete Computational Structures	3	7
IE220	Probability and Statistics	3	5
MATH275	Linear Algebra	4	6
CMPE225	Object-Oriented Programming	4	8
4. Semester			
SE212	Human-Computer Interaction	3	8
SE345	Software Quality Assurance	3	7
CMPE226	Data Structures	3	8
MATH276	Differential Equations	4	6
ENG204	Report Writing Skills	2	3
SE-GE2SP1	General Elective	3	4
5. Semester			
SE321	Object-Oriented Analysis and Design	3	7
CMPE323	Algorithms	3	7
CMPE325	Study of Programming Languages	3	6
EE203	Digital Circuits and Systems	4	6
CMPE341	Database Design and Management	4	7
SE399	Summer Practice I	0	6
TURK401	Turkish Language I	2	2

Course Code	Course Name	Credit	ECTS
6. Semester			
SE324	Software Project Management and Economics	3	5
SE322	Software Architecture	3	5
SE344	Systems Software Validation and Testing	3	6
CMPE334	Computer Networks	4	6
TURK402	Turkish Language II	2	2
SE-AE3SP1	Area Elective	3	5
7. Semester			
SE493	Project Orientation	2	5
CMPE431	Operating Systems	4	5
SE499	Summer Practice II	0	10
IE305	Engineering Economy	2	5
HIST101	Principles of Atatürk and History of Turkish Revolution I	2	2
SE-AE4FA1	Area Elective	3	5
SE-AE4FA2	Area Elective	3	5
8. Semester			
SE494	Senior Project	4	9
HIST102	Principles of Atatürk and History of Turkish Revolution II	2	2
SE-AE4SP1	Area Elective	3	5
SE-AE4SP2	Area Elective	3	5
SE-GE4SP1	General Elective	3	4