Department of Software Engineering

Undergraduate Curriculum

ATACS Curriculum Name: "SE-CUR-2016-2017 Güz Dönemi-1"

(valid for students, who enrolled in the department after- also including - 2016-2017 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
HIST111	Principles of Atatürk and History of Turkish Revolution I	2	2
2. Semester			
MATH152	Calculus II	5	7
ENG102	English for Academic Purposes II	3	3,5
PHYS102	General Physics II	4	6
SE112	Introduction to Software Engineering	3	3,5
CMPE114	Computer Programming II	4	5
HIST112	Principles of Atatürk and History of Turkish Revolution II	2	2
HIST 221	History of Civilization	3	3
3. Semester			
SE221	Software Requirements Engineering	3	6
CMPE225	Object-Oriented Programming	4	8
CMPE251	Discrete Computational Structures	3	7
MATH275	Linear Algebra	4	6
ENG201	English for Academic Purposes III	3	3
4. Semester			
SE212	Human-Computer Interaction	3	8
CMPE226	Data Structures	3	8
IE220	Probability and Statistics	3	5
MATH276	Differential Equations	4	6
ENG202	English for Academic Purposes IV	3	3
5. Semester			
SE345	Software Quality Assurance	3	7
SE321	Object-Oriented Analysis and Design	3	7
CMPE325	Study of Programming Languages	3	6
CMPE341	Database Design and Management	4	7
SE399	Summer Practice I	0	6
ENG 301	English for Occupational Purposes I	3	3

Course Code	Course Name	Credit	ECTS
6. Semester			
SE324	Software Project Management and Economics	3	5
SE322	Software Architecture	3	5
SE328	Algorithms and Optimization Methods	3	5
SE344	Systems Software Validation and Testing	3	6
CMPE338	Computer Networks and Operating Systems	4	6
ENG 302	English for Occupational Purposes II	3	3
7. Semester			
SE493	Project Orientation	2	5
SE499	Summer Practice II	0	10
TURK401	Turkish Language I	2	2
SE-AE4FA1	Area Elective	3	5
SE-AE4FA2	Area Elective	3	5
SE-AE4FA3 Restricted Area Elective	Area Elective	3	5
SE-GE4FA1-Entrepreneurship	General Elective	3	4
SE-GE4FA2	General Elective	3	4
8. Semester			
SE494	Senior Project	4	9
TURK402	Turkish Language II	2	2
SE-AE4SP1	Area Elective	3	5
SE-AE4SP2	Area Elective	3	5
SE-AE4SP3-Multi-Disciplinary	Area Elective	3	5
SE-GE4SP1	General Elective	3	4