

Department of Mechanical Engineering

Undergraduate Curriculum

ATACS Curriculum Name: "ME-CUR-2010-2011 Güz Dönemi-1"

(valid for students, who enrolled the department before 2016-2017 academic year)

Course Code	Course Name	Credit	ECTS
1. Semester			
ENG101	English For Academic Purposes I	4	3,5
E101	Engineering Fundamentals	1	1
MATH151	Calculus I	5	7
PHYS101	General Physics I	4	6
HIST101	Principles of Atatürk and History of Turkish Revolution I	2	2
TURK401	Turkish Language I	2	2
CMPE101	Introduction to Computers and Programming	3	3
ME108	Computer Aided Solid Modeling	2	4,5
2. Semester			
ENG102	English for Academic Purposes II	3	3,5
ME101	Introduction to Mechanical Engineering	1	1,5
MATH152	Calculus II	5	7
PHYS102	General Physics II	4	6
CMPE102	Computer Programming	3	4
CHE105	General Chemistry	4	5
3. Semester			
ENG201	English for Academic Purposes III	3	3
MATE207	Introduction to Materials Engineering	3	5
MATH275	Linear Algebra	4	6
ME201	Statics	3	6
ENE203	Thermodynamics I	3	6
MFGE205	Introduction to Manufacturing Processes	3	5
4. Semester			
ENG204	Report Writing Skills	2	3
EE234	Introduction to Electrical Engineering	3	5
MATH276	Differential Equations	4	6
MECE204	Dynamics	3	6
ENE204	Thermodynamics II	3	5
ME210	Strength of Materials	3	6
TURK402	Turkish Language II	2	2
HIST102	Principles of Atatürk and History of Turkish Revolution II	2	2
5. Semester			
ME305	Machine Elements I	3	4
ME399	Summer Practice I	0	6
IE305	Engineering Economy	2	5
MECE303	Theory of Machines	3	6
ENE301	Heat Transfer	3	6
MATH380	Numerical Methods for Engineers	3	5
AE307	Fluid Mechanics	3	6

Course Code	Course Name	Credit	ECTS
6. Semester			
ME302	Fluid Mechanics II	3	5
ME316	Machine Elements	3	7
MECE306	Control Systems	3	6
	Area Elective (1)	3	5
	Area Elective (2)	3	5
	General Elective	3	3
7. Semester			
ME403	Mechanical Systems Design	3	8
ME390	Mechanical Engineering Systems Laboratory	2	4
ME499	Summer Practice II	0	6
	Area Elective (3)	3	4
	Area Elective (4)	3	4
8. Semester			
ME404	Design Project	3	8
ME408	Thermal Systems Design	3	6
	Area Elective (5)	3	4
	Area Elective (6)	3	4
	General Elective	3	4