

ENGINEERING FACULTY
DEPARTMENT OF INDUSTRIAL ENGINEERING
UNDERGRADUATE CURRICULUM
*(valid for students who have enrolled the department in one of the academic years
between 2012-2013 and 2015-2016)*

FIRST YEAR					
1. Semester					
Course Code	Course Name	T	A	C	ECTS
IE103	Introduction to Industrial Engineering	3	0	3	3
CHEM102	General Chemistry	3	2	4	6
COMPE101	Introduction to Computers and Programming	2	2	3	3
ENG101	English Communication Skills I	4	0	4	4,5
MATH151	Calculus I	4	2	5	7,5
PHYS101	General Physics I	3	2	4	6
				23	30

2. Semester					
Course Code	Course Name	T	A	C	ECTS
IE104	Computer Aided Engineering Drawing	1	2	2	8,5
CMPE102	Computer Programming	2	2	3	4
ENG102	English Communication Skills II	2	2	3	4
MATH152	Calculus II	4	2	5	7,5
PHYS102	General Physics II	3	2	4	6
				17	30

SECOND YEAR					
3. Semester					
Course Code	Course Name	T	A	C	ECTS
IE201	Probability and Statistics I	3	0	3	7
ECON211	Fundamentals of Economics	4	0	4	5
ENG201	Advanced Communication Skills	1	2	2	3
HIST101	Principles of Atatürk and History of Turkish Revolution I	2	0	2	2
MATE207	Introduction to Materials Engineering	3	0	3	5
MATH275	Linear Algebra	4	0	4	6
TURK101	Turkish Language I	2	0	2	2
				20	30

4. Semester					
Course Code	Course Name	T	A	C	ECTS
IE202	Probability and Statistics II	3	0	3	5
IE206	Engineering Cost Analysis	3	0	3	4
IE222	Operations Research I	3	2	4	5
ENG204	Report Writing Skills	2	0	2	3
MATH276	Differential Equations	4	0	4	6
MFGE205	Manufacturing Processes	2	2	3	5
TURK102	Turkish Language II	2	0	2	2
				21	30

THIRD YEAR**5. Semester**

Course Code	Course Name	T	A	C	ECTS
IE307	Production Planning and Control	3	0	3	5,5
IE315	Engineering Economy	3	0	3	5
IE323	Operations Research II	3	2	4	5,5
CMPE301	Introduction to Database Management Systems	2	2	3	5
	Non-Technical Elective	3	0	3	5
IE399	Summer Practice I	0	0	0	4
				16	30

6. Semester

Course Code	Course Name	T	A	C	ECTS
IE304	Information Management	3	0	3	5
IE306	Supply Chain Modelling	3	0	3	5
IE316	Ergonomics	2	2	3	5
IE324	Stochastic Models	3	0	3	3
IE326	Quality Control and Assurance	3	0	3	5
HIST102	Principles of Atatürk and History of Turkish Revolution II	2	0	2	2
	Technical Elective	3	0	3	5
				20	30

FOURTH YEAR**7. Semester**

Course Code	Course Name	T	A	C	ECTS
IE401	Industrial Engineering Design I	2	2	3	11
IE403	Simulation	2	2	3	4,5
IE407	Facilities Planning	3	0	3	3,5
	Technical Elective	3	0	3	5
IE499	Summer Practice II	0	0	0	6
				12	30

8. Semester

Course Code	Course Name	T	A	C	ECTS
IE402	Industrial Engineering Design II	1	4	3	14
ORY400	Participation in Social and Cultural Activities	0	0	0	1
	Technical Elective	3	0	3	5
	Technical Elective	3	0	3	5
	Non-Technical Elective	3	0	3	5
				12	30