ENGINEERING FACULTY
DEPARTMENT OF INDUSTRIAL ENGINEERING
UNDERGRADUATE CURRICULUM
(valid for students who have enrolled the department in one of the academic years between 2016-2017 and 2019-2020)

FIRST YEAR				
1. Semester				
Course Code	**Course Name**	**T**	**A**	**C**	**ECTS**
IE103	Introduction to Industrial Engineering	2	0	2	3,5
CEAC105	General Chemistry	3	2	4	5
HIST111	Principles of Atatürk and History of Turkish Revolution I	2	0	2	2
HIST221	History of Civilization	3	0	3	3
ENG101	English For Academic Purposes I	4	0	4	3,5
MATH151	Calculus I	4	2	5	7
PHYS101	General Physics I	3	2	4	6
				24	30

2. Semester					
Course Code	**Course Name**	**T**	**A**	**C**	**ECTS**
IE122	Quantitative Analysis and Introduction to Modeling	2	0	2	3,5
CE110	Computer Aided Engineering Drawing	1	3	2	4
CMPE102	Computer Programming	2	2	3	4
ENG102	English Communication Skills II	4	0	3	3,5
MATH152	Calculus II	4	2	5	7
PHYS102	General Physics II	3	2	4	6
HIST112	Principles of Atatürk and History of Turkish Revolution II	2	0	2	2
				21	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	3	0	3	4
ENG201	Advanced Communication Skills	3	0	3	3
MATE207	Introduction to Materials Engineering	3	0	3	5
MFGE205	Manufacturing Processes	2	2	3	5
MATH275	Linear Algebra	4	0	4	6
				19	30

4. Semester					
Course Code	**Course Name**	**T**	**A**	**C**	**ECTS**
IE202	Probability and Statistics II	3	1	3	6,5
IE206	Engineering Cost Analysis	3	0	3	3
IE222	Operations Research I	3	2	4	7,5
ENG202	English for Academic Purposes IV	3	0	3	3
MATH276	Differential Equations	4	0	4	6
	General Elective	3	0	3	4
				20	30

THIRD YEAR

5. Semester

Course Code	Course Name	T	A	C	ECTS
IE307	Production Planning and Control	3	0	3	5
IE305	Engineering Economy	2	0	2	5
IE323	Operations Research II	3	2	4	8
ENG301	English for Occupational Purposes I	3	0	3	3
CMPE301	Introduction to Database Management Systems	2	2	3	5
	General Elective	3	0	3	4
IE399	Summer Practice I	0	0	0	6
				18	30

6. Semester

Course Code	Course Name	T	A	C	ECTS
IE304	Information Management	3	0	3	6
IE316	Ergonomics	2	1	2	4
IE324	Stochastic Models	3	0	3	6
IE326	Quality Control and Assurance	3	0	3	6
ENG302	English for Occupational Purposes II	3	0	3	3
	Area Elective	3	0	3	5
				17	30

FOURTH YEAR

7. Semester

Course Code	Course Name	T	A	C	ECTS
IE401	Industrial Engineering Design I	3	1	3	6
IE403	Simulation	2	2	3	5
IE407	Facilities Planning	3	1	3	7
TURK401	Turkish.Language I	2	0	2	2
	Area Elective	3	0	3	5
	Area Elective	3	0	3	5
IE499	Summer Practice II	0	0	0	10
				17	30

8. Semester

Course Code	Course Name	T	A	C	ECTS
IE402	Industrial Engineering Design II	3	1	3	9
TURK402	Turkish.Language II	2	0	2	2
	Area Elective	3	0	3	5
	Area Elective	3	0	3	5
	Area Elective	3	0	3	5
	General Elective	3	0	3	4
				17	30