

**FACULTY OF ENGINEERING
DEPARTMENT OF INDUSTRIAL ENGINEERING
(NEW CURRICULUM)**

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 Communication Skills 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	Presentation Skills	3	0	3	3
MATH276	Differential Equations	4	0	4	6
	General Elective Course	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 Career Development I	3	0	3	3	
CMPE301	Introduction to Database Management Systems	2	2	3	5	
	General Elective Course	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 Career Development II	3	0	3	3	
	Area Elective Course (A)	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	Türk Dili I	2	0	2	2	
	Area Elective Course (A)	3	0	3	5	
	Area Elective Course (A)	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	Türk Dili II	2	0	2	2	
	Area Elective Course (A)	3	0	3	5	
	Area Elective Course (A)	3	0	3	5	
	Area Elective Course (A)	3	0	3	5	
	General Elective Course	3	0	3	4	
					17	30