

ENGINEERING FACULTY
DEPARTMENT OF INDUSTRIAL ENGINEERING
UNDERGRADUATE CURRICULUM
(valid for students who have enrolled the department in one of the academic years between 2021-2022 and 2024-2025)

FIRST YEAR				
1. Semester				
Course Code	Course Name	T	A	ECTS
IE103	Introduction to Industrial Engineering	2	0	3,5
CHE105	General Chemistry	3	2	5
HIST101	Principles of Atatürk and History of Turkish Revolution I	2	0	2
HIST221	History of Civilization	3	0	3
ENG101	English For Academic Purposes I	4	0	3,5
MATH151	Calculus I	4	2	7
PHYS101	General Physics I	3	2	6
KRY111	Career Planning	1	0	1
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2. Semester				
Course Code	Course Name	T	A	ECTS
IE122	Quantitative Analysis and Introduction to Modeling	2	0	3
CE110	Computer Aided Engineering Drawing	1	3	4,5
CMPE102	Computer Programming	2	2	4
ENG102	English Communication Skills II	4	0	3,5
MATH152	Calculus II	4	2	7
PHYS102	General Physics II	3	2	6
HIST102	Principles of Atatürk and History of Turkish Revolution II	2	0	2
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SECOND YEAR				
3. Semester				
Course Code	Course Name	T	A	ECTS
IE201	Probability and Statistics I	3	0	7
ECON211	Fundamentals of Economics	4	0	4
ENG201	Advanced Communication Skills	3	0	3
MATE207	Introduction to Materials Engineering	3	0	5
ME205	Introduction to Manufacturing Processes	2	2	5
MATH275	Linear Algebra	4	0	6
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4. Semester				
Course Code	Course Name	T	A	ECTS
IE202	Probability and Statistics II	3	1	6,5
IE206	Engineering Cost Analysis	3	0	3
IE222	Operations Research I	3	2	7,5
ENG202	English for Academic Purposes IV	3	0	3
MATH276	Differential Equations	4	0	6
	General Elective	3	0	4
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THIRD YEAR				
5. Semester				
Course Code	Course Name	T	A	ECTS
IE307	Production Planning and Control	3	0	5
IE305	Engineering Economy	2	0	5
IE323	Operations Research II	3	2	8
ENG301	English for Occupational Purposes I	3	0	3
CMPE301	Introduction to Database Management Systems	2	2	5
	General Elective	3	0	4
IE399	Summer Practice I	0	0	6
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6. Semester				
Course Code	Course Name	T	A	ECTS
IE304	Information Management	3	0	6
IE316	Ergonomics	2	1	4
IE324	Stochastic Models	3	0	6
IE326	Quality Control and Assurance	3	0	6
ENG302	English for Occupational Purposes II	3	0	3
	Area Elective	3	0	5
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FOURTH YEAR				
7. Semester				
Course Code	Course Name	T	A	ECTS
IE403	Simulation	2	2	5
IE405	Industrial Engineering Design I	3	1	6
IE407	Facilities Planning	3	1	7
TURK401	Turkish.Language I	2	0	2
	Area Elective	3	0	5
	Area Elective	3	0	5
IE499	Summer Practice II	0	0	10
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8. Semester				
Course Code	Course Name	T	A	ECTS
IE406	Industrial Engineering Design II	3	1	9
TURK402	Turkish.Language II	2	0	2
	Area Elective	3	0	5
	Area Elective	3	0	5
	Area Elective	3	0	5
	General Elective	3	0	4
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