

IŞIK UNIVERSITY
ENGINEERING FACULTY
DEPARTMENT OF INDUSTRIAL ENGINEERING
UNDERGRADUATE CURRICULUM (BEFORE 2019-2020)

1. Semester (Fall)		Hours (T-P-L)	Prereq.	ECTS	2. Semester (Spring)		Hours (T-P-L)	Prereq.	ECTS
ENG101	Academic English Skills I	3+0+0		5	CSE101	Intro. to Programming	2+0+4		7
IE_S-I	Science Elective	3+0+0		5	ENG102	Academic English Skills II	3+0+0	ENG101	5
HSS100	Professional Ethics (P/F)	1+0+0		1	MATH102	Calculus II	3+0+2	MATH101	7
MATH101	Calculus I	3+0+2		7	PHYS102	General Physics II	3+0+0		5
PHYS101	General Physics I	3+0+0		5	PHYS104	Physics Lab II	0+0+2		2
PHYS103	Physics Lab I	0+0+2		2	TUR102	Turkish II	2+0+0		2
TUR101	Turkish I	2+0+0		2	MATH200	Linear Algebra	3+0+0		5
IE007	Industrial Eng. Orientation	1+0+0		1					
ENGG101	Computer Literacy for Eng.			NC					
	Total of Semester Credits			28		Total of Semester Credits			33

3. Semester (Fall)		Hours (T-P-L)	Prereq.	ECTS	4. Semester (Spring)		Hours (T-P-L)	Prereq.	ECTS
CSE203	Object Oriented Prog. with JAVA	2+0+2	CSE101	6	ECO102	Introduction to Economics II	3+1+0		6
ECO101	Introduction to Economics I	3+1+0		6	HIST102	Hist. of Turkish Republic II	2+0+0		2
HIST101	Hist. of Turkish Republic I	2+0+0		2	IE242	Engineering Economy	3+0+0		5
MAN311	Financial and Cost Accounting	3+0+0		5	IE256	Engineering Statistics	3+0+0	MATH230	5
IE301	Operations Research I	3+0+2	MATH200	8	MATH203	Multvar. Calculus and Dif. Eqn.	4+1+0	MATH102	7
MATH230	Probability	3+1+0		5	IE302	Operations Research II	3+0+2	IE301	8
					IE290	Industrial Training I			NC
	Total of Semester Credits			32		Total of Semester Credits			33

5. Semester (Fall)		Hours (T-P-L)	Prereq.	ECTS	6. Semester (Spring)		Hours (T-P-L)	Prereq.	ECTS
IE_HSS-I	HSS Elective	3+0+0		5	IE_C-I	Complementary Elective	3+0+0		5
IE402	Operations Research III	3+1+0	MATH230	5	IE_D2-I	Departmental Elective	3+0+0		6
IE303	System Simulation	3+1+0	MATH230	6	IE_F-I	Free Elective	3+0+0		5
IE321	Industrial Production Systems	3+0+0		5	IE312	Prod. & Service Ops. Planning	3+0+0	IE301	6
IE351	Forecasting Methods	3+1+0	IE256	5	IE334	Quality Planning and Control	3+0+0	IE256	6
					IE390	Industrial Training II		IE290	NC
	Total of Semester Credits			26		Total of Semester Credits			28

7. Semester (Fall)		Hours (T-P-L)	Prereq.	ECTS	8. Semester (Spring)		Hours (T-P-L)	Prereq.	ECTS
IE_C-II	Complementary Elective	3+0+0		5	IE_D2-IV	Departmental Elective	3+0+0		6
IE_D2-II	Departmental Elective	3+0+0		6	IE_D2-V	Departmental Elective	3+0+0		6
IE_D2-III	Departmental Elective	3+0+0		6	IE_F-II	Free Elective	3+0+0		5
IE_HSS-II	HSS Elective	3+0+0		5	IE_HSS-III	HSS Elective	3+0+0		5
IE403	OR Modelling Applications	3+0+2	IE301	8	IE 490	Design Project	0+0+8		8
	Total of Semester Credits			30		Total of Semester Credits			30

Total # of Credits: 240