

İŞİK UNIVERSITY
ENGINEERING FACULTY
DEPARTMENT OF INDUSTRIAL ENGINEERING
UNDERGRADUATE CURRICULUM (AFTER 2019-2020)

1. Semester (Fall)		Hours (T-P-L)	Prereq.	ECTS	2. Semester (Spring)		Hours (T-P-L)	Prereq.	ECTS
INDE-AE-I	Area Elective 1	3+0+0		5	MATH1102	Calculus II	3+0+2	MATH1101	6
MATH1101	Calculus I	3+0+2		6	PHYS1102	General Physics II	3+0+0		6
PHYS1101	General Physics I	3+0+0		6	PHYS1104	Physics Lab II	0+0+2		2
PHYS1103	Physics Lab I	0+0+2		2	MATH2104	Linear Algebra	3+0+0		5
INDE1001	Industrial Eng. Orient.	1+0+0		2	COMP1101	Introduction to Programming	2+0+4		6
ENGL1101	Academic English Skills I	3+0+0		4	ENGL1102	Academic English Skills II	3+0+0		4
TURK1201	Turkish I	2+0+0		2	HUSS1002	Professional Ethics	1+0+0		1
HIST1101	History of Turkish Republic I	2+0+0		2					
ITEC1001	Computer Literacy for Eng.	-		1					
Total of Semester Credits				30	Total of Semester Credits				30

3. Semester (Fall)		Hours (T-P-L)	Prereq.	ECTS	4. Semester (Spring)		Hours (T-P-L)	Prereq.	ECTS
INDE2001	Operations Research I	3+0+2	MATH2104	7	INDE2156	Engineering Statistics	3+0+0	MATH2201	6
INDE2211	Industrial Production Systems	3+0+0		6	INDE2442	Engineering Economy	3+0+0		6
COMP2103	Obj. Orient. Programming	2+0+2	COMP1101	5	INDE2002	Operations Research II	3+0+2	INDE2001	7
MATH2201	Probability	3+0+0		6	MATH2107	Differential Equations	4+1+0	MATH1101	6
MATH2105	Calculus III	3+0+2	MATH1101	6	INDE-GE-I	General Elective-1(Language)	3+0+0		5
Total of Semester Credits				30	Total of Semester Credits				30

5. Semester (Fall)		Hours (T-P-L)	Prereq.	ECTS	6. Semester (Spring)		Hours (T-P-L)	Prereq.	ECTS
INDE3103	System Simulation	3+1+0	INDE2156	6	INDE3312	Production & Service Ops. Pln.	3+0+0	INDE2001	6
BUSI3111	Financial and Cost Accounting	3+0+0		5	INDE3314	Quality Planning and Control	3+0+0	INDE2156	6
INDE3001	Operations Research III	3+1+0	MATH2201	6	BUSI4573	Business Project Mgmt.	3+1+0		6
ECON1005	Int. to Economics	3+1+0		6	INDE-GE-II	General Elective 2(HSS)	3+0+0		5
INDE3151	Forecasting	3+1+0	INDE2156	6	INDE-AE-II	Area Elective 2	3+0+0		5
INDE2910	Summer Practice I	-	INDE1001	1	TURK1202	Turkish II	2+0+0		2
Total of Semester Credits				30	Total of Semester Credits				30

7. Semester (Fall)		Hours (T-P-L)	Prereq.	ECTS	8. Semester (Spring)		Hours (T-P-L)	Prereq.	ECTS
ENGR4901	Int. to Design Projects	1+0+0		1	INDE4902	Graduation Design Project	0+0+6	ENGR4901	6
INDE4003	OR Modeling Applications	3+0+0	INDE2002	6	INDE-AE-V	Area Elective 5	3+0+0		5
INDE-AE-III	Area Elective 3	3+0+0		5	INDE-AE-VI	Area Elective 6	3+0+0		5
INDE-AE-IV	Area Elective 4	3+0+0		5	INDE-GE-V	General Elective 5(HSS)	3+0+0		5
INDE-GE-III	General Elective 3(Free)	3+0+0		5	INDE-GE-VI	General Elective 6(Comp)	3+0+0		5
INDE-GE-IV	General Elective 4(Comp)	3+0+0		5	HIST1102	History of Turkish Republic II	2+0+0		2
OHES4411	Occup. Health & Safety I	2+0+0		2	OHES4412	Occup. Health & Safety II	2+0+0		2
INDE3910	Summer Practice II	-	INDE2910	1					
Total of Semester Credits				30	Total of Semester Credits				30

Total # of Credits:

240