

Curriculum for Students Enrolled in 2021 and Before (Industrial Engineering)

CURRICULUM - 2021						
Semester 1						
Code	Course Title	C	P	L	Cr	ECTS
CMPE 113	Fundamentals of Programming I	1	0	4	3	5
CC	Sci/Soc/Hum/Lit/Art	3	0	0	3	5
ENG 101	English for Academic Purposes	2	2	0	3	5
HIST 101	History of Turkish Republic I	2	0	0	2	2
MATH 101	Calculus of One Variable	3	2	0	4	7
PHYS 105	Physics I	3	0	2	4	6
Semester Credits		14	4	6	19	30
Semester 2						
Code	Course Title	C	P	L	Cr	ECTS
CC	Sci/Soc/Hum/Lit/Art	3	0	0	3	5
CC	Sci/Soc/Hum/Lit/Art	3	0	0	3	5
CMPE 114	Fundamentals of Programming II	2	0	2	3	6
ENG 102	Expository Writing	2	2	0	3	5
HIST 102	History of Turkish Republic II	2	0	0	2	2
MATH 102	Multivariable Calculus	3	2	0	4	7
Semester Credits		15	4	2	18	30
Semester 3						
Code	Course Title	C	P	L	Cr	ECTS
CC	Sci/Soc/Hum/Lit/Art	3	0	0	3	5
ECON 110	Principles of Economics	3	0	0	3	5
MATH 203	Linear Algebra and Differential Equations	3	0	0	3	5
MATH 230	Introduction to Probability Theory	3	0	0	3	6
ME 221	Manufacturing Processes	3	0	0	3	6
TUR 101	Turkish I	2	0	0	2	2
Semester Credits		17	0	0	17	29
Semester 4						
Code	Course Title	C	P	L	Cr	ECTS
CC	Sci/Soc/Hum/Lit/Art	3	0	0	3	5
IE 212	Lean Process Design	3	0	0	3	6
IE 222	Engineering Economy & Cost Analysis	3	0	0	3	6
IE 232	Mathematical Modeling and Optimization I	3	0	0	3	6
MATH 232	Introduction to Statistics	3	0	0	3	6
TUR 102	Turkish II	2	0	0	2	2
Semester Credits		17	0	0	17	31

Semester 5						
Code	Course Title	C	P	L	Cr	ECTS
CMPE 232	Relational Databases	3	0	0	3	5
IE 311	Manufacturing and Service Operations Planning I	3	0	0	3	6
IE 331	Mathematical Modeling and Optimization II	3	0	0	3	6
IE 341	Simulation	2	0	2	3	6
IE 399	Summer Practice I	1	0	0	1	3
SF	Secondary Field	3	0	0	3	5
Semester Credits		15	0	2	16	31
Semester 6						
Code	Course Title	C	P	L	Cr	ECTS
IE	Industrial Engineering Elective	3	0	0	3	5
IE 312	Manufacturing and Service Operations Planning II	3	0	0	3	6
IE 316	Quality Planning and Control	3	0	0	3	7
IE 332	Mathematical Modeling and Optimization III	3	0	0	3	6
SF	Secondary Field	3	0	0	3	5
Semester Credits		15	0	0	15	29
Semester 7						
Code	Course Title	C	P	L	Cr	ECTS
ENGR 490	Contemporary Issues in Engineering	2	2	0	3	5
FREE	Free Elective	3	0	0	3	5
IE	Industrial Engineering Elective	3	0	0	3	5
IE 491	Senior Project I	1	4	0	3	6
IE 499	Summer Practice II	1	0	0	1	2
SF	Secondary Field	3	0	0	3	5
TEDU 400	Student Development Seminars	0	0	0	0	1
Semester Credits		13	6	0	16	29
Semester 8						
Code	Course Title	C	P	L	Cr	ECTS
FREE	Free Elective	3	0	0	3	5
FREE	Free Elective	3	0	0	3	5
IE	Industrial Engineering Elective	3	0	0	3	5
IE 492	Senior Project II	1	4	0	3	6
SF	Secondary Field	3	0	0	3	5
SF	Secondary Field	3	0	0	3	5
Semester Credits		16	4	0	18	31
Total						
		C	P	L	Cr	ECTS
Credits		124	16	10	136	240