

Mechanical Engineering Undergraduate Curriculum (For students Enrolled in TEDU in Fall 2022)						
Semester 1						
Code	Course Title	C	P	L	Cr	ECTS
CMPE 113	Fundamentals of Programming I	1	0	4	3	5
ENG 101	English for Academic Purposes	2	2	0	3	5
LIBE110	Critical Perspectives on Humanity	3	0	0	3	5
PHYS 101	General Physics I	3	0	2	4	6
MATH 101	Calculus of One Variable	3	2	0	4	7
TUR 101/150	Turkish I/Turkish for Foreigners I	2	0	0	2	2
TEDU 101	First Year Experience at TEDU	0	0	0	0	1
	Semester Credits Total	14	4	6	19	31
Semester 2						
Code	Course Title	C	P	L	Cr	ECTS
ENG 102	Expository Writing	2	2	0	3	5
MATH 102	Multivariable Calculus	3	2	0	4	7
TUR 102/160	Turkish II/Turkish for Foreigners II	2	0	0	2	2
CMPE 114	Fundamentals of Programming II	2	0	2	3	6
LIBE 120	Foundations and Frontiers of Science	3	0	0	3	5
LIBE 140	Social and Political Studies	3	0	0	3	5
TEDU102	Service Learning	1	0	0	1	1
	Semester Credits Total	16	4	2	19	31
Semester 3						
Code	Course Title	C	P	L	Cr	ECTS
LIBE130	Art and Design	3	0	0	3	5
MATH 203	Linear Algebra and Differential Equations	3	0	0	3	5
ME 200	Computer Aided Technical Drawing	0	0	4	2	4
ME 211	Materials Science	3	0	0	3	6
ME 241	Introduction to Solid Mechanics	3	0	0	3	6
CHEM 101	General Chemistry	3	0	0	3	5
	Semester Credits	15	0	4	17	31
Semester 4						
Code	Course Title	C	P	L	Cr	ECTS
MATH 240	Introduction to Probability and Statistics for Engineers	3	0	0	3	6
ME 224	Design and Manufacturing	3	0	0	3	6
ME 242	Dynamics	3	0	0	3	6
ME 264	Thermodynamics	3	0	0	3	6
PHYS 102	General Physics II	3	0	2	4	6
	Semester Credits	15	0	2	16	30
Semester 5						
Code	Course Title	C	P	L	Cr	ECTS
ME 301	Measurement and Instrumentation	1	0	4	3	6
ME 345	Mechanics of Materials	3	0	0	3	5
ME 353	Fluid Mechanics	3	0	0	3	5
ME 399	Summer Practice I	1	0	0	1	5
ME 333	Machine Dynamics	3	0	0	3	6
HIST 101/HIST 150	History of Turkish Republic I	2	0	0	2	2
	Semester Credits	13	0	4	15	29
Semester 6						
Code	Course Title	C	P	L	Cr	ECTS
ME 302	Experimental Engineering	1	0	4	3	6
ME 324	Machine Elements I	3	0	0	3	6
ME 362	Heat Transfer	3	0	0	3	5
ME 336	Modeling and Control of Dynamic Systems	3	0	0	3	5
MATH 210	Numerical Methods in Engineering	2	0	2	3	5
HIST 102/HIST 160	History of Turkish Republic II	2	0	0	2	2
	Semester Credits	14	0	6	17	29
Semester 7						
Code	Course Title	C	P	L	Cr	ECTS
ME 499	Summer Practice II	1	0	0	1	5
LIBE 150	World Literature	3	0	0	3	5
ME 464	Applied Thermal Systems	3	0	0	3	5
FREE	Free Elective	3	0	0	3	5
ME	Departmental Elective I	3	0	0	3	5
ME	Departmental Elective II	3	0	0	3	5
	Semester Credits	16	0	0	16	30
Semester 8						
Code	Course Title	C	P	L	Cr	ECTS
ME 492	Senior Project	0	0	6	3	8
IE 222	Engineering Economy and Cost Analysis	3	0	0	3	6
ME	Departmental Elective III	3	0	0	3	5
Math/Sci	Math/Science Elective	3	0	0	3	5
FREE	Free Elective	3	0	0	3	5
	Semester Credits	12	0	6	15	29
	Total credits required for graduation	115	8	30	134	240