

## Curriculum Applied to Students Entering in 2022 and Later (Mechanical Engineering)

CURRICULUM						
<b>Semester 1</b>						
Code	Course Title	C	P	L	Cr	ECTS
LIBE 120	Foundations and Frontiers of Science	2	0	2	3	5
ENG 101	English for Academic Purposes	2	2	0	3	5
LIBE 110	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
	<b>Semester Credits</b>	15	4	4	19	31
<b>Semester 2</b>						
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 113	Fundamentals of Programming I	2	0	2	3	5
CHEM 101	General Chemistry	3	0	0	3	5
LIBE 140	Social and Political Studies	3	0	0	3	5
TEDU102	Service Learning	1	0	0	1	1
	<b>Semester Credits</b>	16	4	2	19	30
<b>Semester 3</b>						
Code	Course Title	C	P	L	Cr	ECTS
LIBE 130	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
PHYS 102	General Physics II	3	0	2	4	6
	<b>Semester Credits</b>	15	0	6	18	32
<b>Semester 4</b>						
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
LIBE 150	World Literature	3	0	0	3	5
	<b>Semester Credits</b>	15	0	0	15	29

<b>Semester 5</b>						
<b>Code</b>	<b>Course Title</b>	<b>C</b>	<b>P</b>	<b>L</b>	<b>Cr</b>	<b>ECTS</b>
ME 301	Measurement and Instrumentation	2	0	2	3	5
ME 333	Machine Dynamics	3	0	0	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	4
Math/Sci	Math/Science Elective I	3	0	0	3	5
	<b>Semester Credits</b>	15	0	2	16	30
<b>Semester 6</b>						
<b>Code</b>	<b>Course Title</b>	<b>C</b>	<b>P</b>	<b>L</b>	<b>Cr</b>	<b>ECTS</b>
ME 302	Experimental Engineering	1	0	4	3	5
ME 324	Machine Design I	3	0	0	3	5
ME 362	Heat Transfer	3	0	0	3	5
ME 334	Control Systems	3	0	0	3	5
MATH 310	Numerical Methods in Engineering	2	0	2	3	5
FREE	Serbest Seçmeli I	3	0	0	3	5
	<b>Semester Credits</b>	15	0	6	18	30
<b>Semester 7</b>						
<b>Code</b>	<b>Course Title</b>	<b>C</b>	<b>P</b>	<b>L</b>	<b>Cr</b>	<b>ECTS</b>
ME 464	Applied Thermal Systems	3	0	0	3	5
ME 499	Summer Practice II	1	0	0	1	6
HIST 101/HIST 150	History of Turkish Republic I	2	0	0	2	2
ENGR 490	Contemporary Issues in Engineering	2	2	0	3	5
ME	Departmental Elective I	3	0	0	3	5
ME	Departmental Elective II	3	0	0	3	5
	<b>Semester Credits</b>	14	2	0	15	28
<b>Semester 8</b>						
<b>Code</b>	<b>Course Title</b>	<b>C</b>	<b>P</b>	<b>L</b>	<b>Cr</b>	<b>ECTS</b>
ME 492	Senior Project	0	0	8	4	12
IE 222	Engineering Economy and Cost Analysis	3	0	0	3	6
ME	Departmental Elective III	3	0	0	3	5
FREE	Free Elective II	3	0	0	3	5
HIST 102/HIST 160	History of Turkish Republic II	2	0	0	2	2
	<b>Semester Credits</b>	11	0	8	15	30
	<b>Totals expected for graduation</b>	116	10	28	135	240