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

	CURRICULUM					
Semester 1						
Code	Course Title	С	Р	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
	Semester Credits	15	4	4	19	31
Semester 2						
Code	Course Title	С	Р	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
	Semester Credits	16	4	2	19	30
Semester 3						
Code	Course Title	С	Р	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
	Semester Credits	15	0	6	18	32
Semester 4					ı	
Code	Course Title	С	Р	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
	Semester Credits	15	0	0	15	29

Semester 5						
Code	Course Title	С	Р	L	Cr	ECTS
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
	Semester Credits	15	0	2	16	30
Semester 6						
Code	Course Title	С	Р	L	Cr	ECTS
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
	Semester Credits	15	0	6	18	30
Semester 7						
Code	Course Title	С	Р	L	Cr	ECTS
Code ME 464	Course Title Applied Thermal Systems	C	P 0	L	Cr 3	ECTS 5
		+				
ME 464 ME 499 HIST 101/HIST	Applied Thermal Systems Summer Practice II	3 1	0	0	3	5
ME 464 ME 499 HIST 101/HIST 150	Applied Thermal Systems Summer Practice II History of Turkish Republic I	3 1 2	0 0 0	0 0	3 1 2	5 6 2
ME 464 ME 499 HIST 101/HIST	Applied Thermal Systems Summer Practice II History of Turkish Republic I Contemporary Issues in Engineering	3 1 2 2	0 0 0 2	0 0 0 0	3 1 2 3	5 6 2 5
ME 464 ME 499 HIST 101/HIST 150 ENGR 490 ME	Applied Thermal Systems Summer Practice II History of Turkish Republic I Contemporary Issues in Engineering Departmental Elective I	3 1 2 2 3	0 0 0 2 0	0 0 0 0 0	3 1 2 3 3	5 6 2 5 5
ME 464 ME 499 HIST 101/HIST 150 ENGR 490	Applied Thermal Systems Summer Practice II History of Turkish Republic I Contemporary Issues in Engineering Departmental Elective I Departmental Elective II	3 1 2 2 3 3	0 0 0 2 0	0 0 0 0 0	3 1 2 3 3 3	5 6 2 5 5 5
ME 464 ME 499 HIST 101/HIST 150 ENGR 490 ME ME	Applied Thermal Systems Summer Practice II History of Turkish Republic I Contemporary Issues in Engineering Departmental Elective I	3 1 2 2 3	0 0 0 2 0	0 0 0 0 0	3 1 2 3 3	5 6 2 5 5
ME 464 ME 499 HIST 101/HIST 150 ENGR 490 ME ME Semester 8	Applied Thermal Systems Summer Practice II History of Turkish Republic I Contemporary Issues in Engineering Departmental Elective I Departmental Elective II Semester Credits	3 1 2 2 3 3 14	0 0 2 0 0 2	0 0 0 0 0	3 1 2 3 3 3 15	5 6 2 5 5 5 28
ME 464 ME 499 HIST 101/HIST 150 ENGR 490 ME ME ME Code	Applied Thermal Systems Summer Practice II History of Turkish Republic I Contemporary Issues in Engineering Departmental Elective I Departmental Elective II Semester Credits Course Title	3 1 2 2 3 3 14	0 0 2 0 0 2 P	0 0 0 0 0 0 0	3 1 2 3 3 3	5 6 2 5 5 5 28 ECTS
ME 464 ME 499 HIST 101/HIST 150 ENGR 490 ME ME ME ME ME ME	Applied Thermal Systems Summer Practice II History of Turkish Republic I Contemporary Issues in Engineering Departmental Elective I Departmental Elective II Semester Credits Course Title Senior Project	3 1 2 2 3 3 14 C 0	0 0 2 0 0 2 P	0 0 0 0 0 0 0 0	3 1 2 3 3 3 15 Cr 4	5 6 2 5 5 5 28 ECTS
ME 464 ME 499 HIST 101/HIST 150 ENGR 490 ME ME Semester 8 Code ME 492 IE 222	Applied Thermal Systems Summer Practice II History of Turkish Republic I Contemporary Issues in Engineering Departmental Elective I Departmental Elective II Semester Credits Course Title Senior Project Engineering Economy and Cost Analysis	3 1 2 2 3 3 14 C 0 3	0 0 2 0 0 2 P 0	0 0 0 0 0 0 0 0 t 8	3 1 2 3 3 3 15 Cr 4	5 6 2 5 5 5 28 ECTS 12 6
ME 464 ME 499 HIST 101/HIST 150 ENGR 490 ME ME ME ME Semester 8 Code ME 492 IE 222 ME	Applied Thermal Systems Summer Practice II History of Turkish Republic I Contemporary Issues in Engineering Departmental Elective I Departmental Elective II Semester Credits Course Title Senior Project Engineering Economy and Cost Analysis Departmental Elective III	3 1 2 2 3 3 14 C 0 3 3	0 0 2 0 0 2 P 0 0	0 0 0 0 0 0 0 0 L 8	3 1 2 3 3 3 15 Cr 4 3 3	5 6 2 5 5 5 28 ECTS 12 6 5
ME 464 ME 499 HIST 101/HIST 150 ENGR 490 ME ME Semester 8 Code ME 492 IE 222 ME FREE	Applied Thermal Systems Summer Practice II History of Turkish Republic I Contemporary Issues in Engineering Departmental Elective I Departmental Elective II Semester Credits Course Title Senior Project Engineering Economy and Cost Analysis	3 1 2 2 3 3 14 C 0 3	0 0 2 0 0 2 P 0	0 0 0 0 0 0 0 0 t 8	3 1 2 3 3 3 15 Cr 4	5 6 2 5 5 5 28 ECTS 12 6
ME 464 ME 499 HIST 101/HIST 150 ENGR 490 ME ME ME Semester 8 Code ME 492 IE 222 ME FREE HIST 102/HIST	Applied Thermal Systems Summer Practice II History of Turkish Republic I Contemporary Issues in Engineering Departmental Elective I Departmental Elective II Semester Credits Course Title Senior Project Engineering Economy and Cost Analysis Departmental Elective III Free Elective II	3 1 2 2 3 3 14 C 0 3 3 3	0 0 2 0 0 2 P 0 0 0	0 0 0 0 0 0 0 0 0 L 8 0 0	3 1 2 3 3 3 15 Cr 4 3 3 3	5 6 2 5 5 5 28 ECTS 12 6 5 5
ME 464 ME 499 HIST 101/HIST 150 ENGR 490 ME ME Semester 8 Code ME 492 IE 222 ME FREE	Applied Thermal Systems Summer Practice II History of Turkish Republic I Contemporary Issues in Engineering Departmental Elective I Departmental Elective II Semester Credits Course Title Senior Project Engineering Economy and Cost Analysis Departmental Elective III Free Elective II History of Turkish Republic II	3 1 2 2 3 3 14 C 0 3 3 3 3	0 0 2 0 0 2 P 0 0 0	0 0 0 0 0 0 0 0 L 8 0 0	3 1 2 3 3 3 15 Cr 4 3 3 3	5 6 2 5 5 5 28 ECTS 12 6 5 5
ME 464 ME 499 HIST 101/HIST 150 ENGR 490 ME ME ME Semester 8 Code ME 492 IE 222 ME FREE HIST 102/HIST	Applied Thermal Systems Summer Practice II History of Turkish Republic I Contemporary Issues in Engineering Departmental Elective I Departmental Elective II Semester Credits Course Title Senior Project Engineering Economy and Cost Analysis Departmental Elective III Free Elective II	3 1 2 2 3 3 14 C 0 3 3 3	0 0 2 0 0 2 P 0 0 0	0 0 0 0 0 0 0 0 0 L 8 0 0	3 1 2 3 3 3 15 Cr 4 3 3 3	5 6 2 5 5 5 28 ECTS 12 6 5 5