

Curriculum Applied to Students Enrolled between 2022 & 2025 (Mech. Eng.)

2022 – 2025 CURRICULUM						
Semester 1						
Code	Course Name	T	P	L	K	AKTS
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	Turkish 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 Name	T	P	L	K	AKTS
ENG 102	Expository Writing	2	2	0	3	5
MATH 102	Multivariable Calculus	3	2	0	4	7
TUR 102	Turkish II	2	0	0	2	2
CHEM 100	General Chemistry	3	0	0	3	5
CMPE 113	Fundamentals of Programming I	2	0	2	3	5
LIBE 140	Social and Political Studies	3	0	0	3	5
TEDU 102	Service Learning	1	0	0	1	1
	Semester Credits	16	4	2	19	30
Semester 3						
Code	Course Name	T	P	L	K	AKTS
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						
Code	Course Name	T	P	L	K	AKTS
MATH 240	Introduction to Probability and Statistics for Engineers	3	0	0	3	6
ME 224	Design and Manufacturing	2	0	2	3	6
ME 242	Dynamics	3	0	0	3	6
ME 264	Thermodynamics	3	0	0	3	6
LIBE 150	Critical Perspectives in World Literature	3	0	0	3	5
	Semester Credits	14	0	2	15	29

Semester 5						
Code	Course Name	T	P	L	K	AKTS
EE 309	Fundamentals of Electrical and Electronics Eng.	2	0	2	3	6
ME 301	Measurement and Instrumentation	2	0	2	3	5
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	3	0	0	3	5
	Semester Credits	15	0	4	16	30
Semester 6						
Code	Course Name	T	P	L	K	AKTS
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 336	Modeling and Control of Dynamic Systems	3	0	0	3	5
MATH 310	Numerical Methods in Engineering	2	2	0	3	5
FREE	Free Elective I	3	0	0	3	5
	Semester Credits	15	2	4	18	30
Semester 7						
Code	Course Name	T	P	L	K	AKTS
ME 499	Summer Practice II	1	0	0	1	6
ME-REST.	Restricted Elective	3	0	0	3	5
ME-DEPT	Departmental Elective I	3	0	0	3	5
ME-DEPT	Departmental Elective II	3	0	0	3	5
ENGR 490	Contemporary Issues in Engineering	2	2	0	3	5
HIST 101	History of Turkish Republic I	2	0	0	2	2
	Semester Credits	14	2	0	15	28
Semester 8						
Code	Course Name	T	P	L	K	AKTS
ME 492	Senior Project	0	0	8	4	12
IE 222	Engineering Economy & Cost Analysis	3	0	0	3	6
ME-DEPT	Departmental Elective III	3	0	0	3	5
FREE	Free Elective II	3	0	0	3	5
HIST 102	History of Turkish Republic II	2	0	0	2	2
	Semester Credits	11	0	8	15	30
TOTAL						
		T	P	L	K	AKTS
Credits		115	12	30	135	240

Restricted Elective Course List: ME464 - ME468 - ME488