

T.C.
ERCIYES ÜNİVERSİTESİ MÜHENDİSLİK FAKÜLTESİ
MAKİNA MÜHENDİSLİĞİ BÖLÜMÜ
2025-2026 EĞİTİM-ÖĞRETİM PLANI (%100 İngilizce)

1. MID-TERM						Ön şart
Course Code	Course Name	T	P	K	ECTS	
PHYS 119	PHYSICS-I	3	1	6	6	-
CHEM 113	GENERAL CHEMISTRY	3	1	5	5	-
MATH 113	CALCULUS-I	4	0	6	6	-
ME 109	INTRODUCTION TO MECHANICAL ENGINEERING	2	0	3	3	-
ME 111	TECHNICAL DRAWING	2	2	4	4	-
MFL 101	TECHNICAL ENGLISH	2	0	2	2	-
TD 101	TÜRK DİLİ-I	2	0	2	2	-
ME 103	LINEAR ALGEBRA	2	0	2	2	-
TOPLAM ECTS					30	

2.MID-TERM						Ön şart
Course Code	Course Name	T	P	K	ECTS	
PHYS 118	PHYSICS-II	3	1	6	6	-
MATH 114	CALCULUS-II	4	0	6	6	-
TD 102	TÜRK DİLİ-II	2	0	2	2	-
ME 106	STATICS	3	0	5	5	-
ME 110	COMPUTATIONAL AIDED TECHNICAL DRAWING (NX, SOLIDWORKS)	2	2	4	4	-
ME 112	PROGRAMMING (PHYTON, C, MATLAB)	3	0	3	3	-
ME 116	KARİYER PLANLAMA	1	0	2	2	-
MFL 102	ENGLISH FOR BUSINESS	2	0	2	2	-
TOPLAM ECTS					30	

3. MID-TERM						Ön şart
Course Code	Course Name	T	P	K	ECTS	
ME 201	DIFFERENTIAL EQUATIONS IN ENGINEERING	3	0	5	5	-
ME 203	DYNAMICS	4	0	5	5	-
ME 205	STRENGTH OF MATERIALS-I	3	0	4	4	-
ME 207	ENGINEERING MATH-I	3	0	4	4	-
ME 209	MATERIAL SCIENCE-I	3	0	4	4	-
ME 211	MEASUREMENT AND EVALUATION	2	0	3	3	-
ME 215	ELECTRONICS	2	0	3	3	-
MİS 201	İŞ SAĞLIĞI VE GÜVENLİĞİ-I	2	0	2	2	-
TOPLAM ECTS					30	

4. MID-TERM						Ön şart
Course Code	Course Name	T	P	K	ECTS	
ME 202	ENGINEERING MATH-II	3	0	4	4	-
ME 206	STRENGTH OF MATERIALS-II	3	0	4	4	-
ME 208	THERMODYNAMICS-I	3	0	4	4	-
ME 210	MATERIAL SCIENCE-II	3	0	4	4	-
ME 204	MANUFACTURING PROCESS-I	3	0	5	5	-
ME 216	NUMERICAL METHODS (Excell, MATLAB)	3	0	4	4	-
ME 214	PROBABILITY AND STATISTICS	2	0	3	3	-
MİS 202	İŞ SAĞLIĞI VE GÜVENLİĞİ II	2	0	2	2	-
TOPLAM ECTS					30	

5. MID-TERM						Ön şart
Course Code	Course Name	T	P	K	ECTS	
AI 301	ATATÜRK İLKE VE İNKILAP TARİHİ-I	2	0	2	2	-
	THERMODYNAMICS-II	3	0	4	4	ME 208
ME 303	MACHINE ELEMENTS-I	3	0	5	5	ME 205, ME 206
	MECHANISMS	3	0	4	4	-
	MANUFACTURING PROCESS-II	3	0	4	4	-
	CONTROL SYSTEMS	3	0	4	4	-
	ENGINES	3	0	4	4	-
	SOCIAL ELECTIVE 1-1	2	0	3	3	-
TOPLAM ECTS					30	

6. MID-TERM						Ön şart
Course Code	Course Name	T	P	K	ECTS	
AI 302	ATATÜRK İLKE VE İNKILAP TARİHİ-II	2	0	2	2	-
	MACHINE ELEMENTS-II	3	0	5	5	MM 303
	DYNAMICS OF MACHINERY	3	0	4	4	-
	FLUIDS MECHANICS	3	0	4	4	-
	HEAT TRANSFER	4	0	5	5	ME 208
	DESIGN TECHNIQUE AND MANAGEMENT OF PROCESS AND PLANT	3	0	4	4	-
	TECHNICAL ELECTIVE-1-1	2	0	3	3	-
	TECHNICAL ELECTIVE-2-1	2	0	3	3	-
TOPLAM ECTS					30	

7. MID-TERM						Ön şart
Course Code	Course Name	T	P	K	ECTS	
	PROJECT	0	3	3	3	-
	MACHINE LABORATORY	0	2	3	3	-
	INTERNSHIP	0	6	6	6	-
	TECHNICAL ELECTIVE-1-2	2	0	3	3	-
	TECHNICAL ELECTIVE-2-2	2	0	3	3	-
	TECHNICAL ELECTIVE-3-1	2	0	3	3	-
	TECHNICAL ELECTIVE-4-1	2	0	3	3	-
	TECHNICAL ELECTIVE-5-1	2	0	3	3	-
	TECHNICAL ELECTIVE-5-2	2	0	3	3	-
TOPLAM ECTS					30	

8. MID-TERM						Ön şart
Course Code	Course Name	T	P	K	ECTS	
	GRADUATION PROJECT	0	3	5	5	-
	VOCATIONAL EDUCATION APPLICATION	5	20	25	25	-
TOPLAM ECTS					30	

8. MID-TERM (OPTIONAL)						Ön şart
Course Code	Course Name	T	P	K	ECTS	
	GRADUATION PROJECT	0	3	5	5	-
	PROJECT-II	0	3	4	4	-
	INTERNSHIP-II	0	6	6	6	-
	SOCIAL ELECTIVE 1-2	2	0	3	3	-
	TECHNICAL ELECTIVE-2-3	2	0	3	3	-
	TECHNICAL ELECTIVE-3-2	2	0	3	3	-
	TECHNICAL ELECTIVE-4-2	2	0	3	3	-
	TECHNICAL ELECTIVE-5-3	2	0	3	3	-
TOPLAM ECTS					30	

SOCIAL ELECTIVE-1	
	ENTREPRENEURSHIP
	ENGINEERING MANAGEMENT AND HUMAN RELATIONS
	SCIENCE, TECHNOLOGY AND ENGINEERING

TECHNICAL ELECTIVE-1	
	INTRODUCTION TO FINITE ELEMENT METHOD
	COMPUTATIONAL FLUID DYNAMICS
	COMPUTER-AIDED DYNAMIC ANALYSIS OF MECHANICAL SYSTEMS
	COMPUTER AIDED STRESS ANALYSIS-I
	NUMERICAL ANALYSIS OF MECHANICAL BEHAVIOR OF MATERIALS
	APPLICATION OF FINITE ELECTRIC METHOD IN ENGINEERING DESIGN
	COMPUTER AIDED STRESS ANALYSIS-II
	COMPUTATIONAL HEAT TRANSFER

TECHNICAL ELECTIVE-2	
	INDUSTRIAL HEAT TREATMENTS
	POLYMERIC MATERIALS
	SHEET METAL PRODUCT DESIGN
	MOLD DESIGN
	COMPOSITE MATERIALS
	ARMOR MATERIALS AND DESIGN
	NON-DESTRUCTIVE MATERIAL TESTING
	MECHANICS OF COMPOSITE MATERIALS-I
	MECHANICS OF COMPOSITE MATERIALS-II
	INDUSTRIAL VIBRATIONS
	MOTOR VEHICLES-I
	CNC PROGRAMMING
	POWER TRANSMISSION MECHANISMS
	INDUSTRIAL NOISE CONTROL
	MOTOR VEHICLES-II
	GRAPHENE AND NANOMATERIALS
	ADDITIVE MANUFACTURING

TECHNICAL ELECTIVE-3	
	TURBO MACHINERY
	HEATING AND VENTILATION
	HEAT TRANSFER-II

TECHNICAL ELECTIVE-4	
	MACHINE TOOLS
	MECHANICAL VIBRATIONS
	TRANSPORT TECHNIQUE

TECHNICAL ELECTIVE-5	
	AIR CONDITIONING SYSTEMS AND DESIGN
	NATURAL GAS SYSTEMS
	ENERGY STORAGE TECHNOLOGIES
	ENGINES-2
	AERODYNAMIC
	INDUSTRIAL FLUID MECHANICS

	COMBUSTION AND COMBUSTION SYSTEMS
	ENERGY MANAGEMENT
	THERMODYNAMICS III
	HYDROGEN ENERGY
	AIR CONDITIONING
	COMPUTATIONAL HEAT TRANSFER
	HEAT EXCHANGERS
	COOLING TECHNIQUE
	INTRODUCTION TO ROCKET TECHNOLOGY
	STEAM SYSTEM
	PLUMBING
	HEAT INSULATION
	STEAM BOILERS
	HYDRAULIC MACHINES
	THERMAL DESIGN