

**Mühendislik Fakültesi****Makine Mühendisliği (İngilizce) - Dönemlik****Lisans - 2023 - Makine Mühendisliği (İngilizce) - Lisans****Genel Toplam****Ders Adedi :60****T : 138****U : 37****Kredi : 260****ECTS : 260****T+U : 175****YABANCI DİL HAZIRLIK**

No	Ders Kodu	Ders Adı	T	U	Kredi	ECTS
1	YDI0001	Yabancı Dil Yeterlik (İngilizce)	0	0	0	0

**1. YARIYIL**

No	Ders Kodu	Ders Adı	T	U	Kredi	ECTS
1	ATA121	Atatürk İlkeleri ve İnkılap Tarihi I	2	0	2	2
2	CHEM1017	Basic Chemistry	4	2	6	6
3	CSE1121	Scientific Programming	3	2	5	5
4	MATH1001	Calculus I	4	0	6	6
5	ME1000	Introduction to Mechanical Engineering	2	0	3	3
6	PHYS1101	Physics I	3	0	4	4
7	PHYS1103	Physics Lab I	0	2	2	2
8	TRD121	Türk Dili I	2	0	2	2
Toplam			20	6	30,00	30,00

**2. YARIYIL**

No	Ders Kodu	Ders Adı	T	U	Kredi	ECTS
1	ATA122	Atatürk İlkeleri ve İnkılap Tarihi II	2	0	2	2
2	MATH1002	Calculus II	4	0	6	6
3	ME1052	Statics	3	0	6	6
4	ME1161	Engineering Drawing	1	2	5	5
5	ME-NTE1	Non-Technical Elective - 1 (Ders 1) [Bu ders ME-NTE1 ders grubundan alınacaktır, aşağıya bakınız]	2	0	3	3
6	PHYS1102	Physics II	3	0	4	4
7	PHYS1104	Physics Lab II	0	2	2	2
8	TRD122	Türk Dili II	2	0	2	2
Toplam			17	4	30,00	30,00

**3. YARIYIL**

No	Ders Kodu	Ders Adı	T	U	Kredi	ECTS
1	MATH2051	Vector Analysis	3	0	4	4
2	MATH2055	Differential Equations	3	0	4	4
3	ME2001	Mechanical Engineering Fundamentals	0	2	2	2
4	ME2003	Dynamics	4	0	6	6
5	ME2031	Mechanical Engineering Drawing	2	2	5	5
6	ME2063	Thermodynamics I	3	0	5	5
7	MSE2072	Introduction to Materials Science	3	0	4	4
Toplam			18	4	30,00	30,00

**4. YARIYIL**

No	Ders Kodu	Ders Adı	T	U	Kredi	ECTS
1	EE2034	Fundamentals of Electrical & Electronics Engineering	3	0	4	4
2	EE2035	Fundamentals of Electrical & Electronics Engineering Lab	0	2	3	3
3	MATH2056	Linear Algebra	3	0	4	4
4	MATH2059	Numerical Methods	3	0	4	4
5	ME2064	Thermodynamics II	3	0	5	5
6	ME2072	Mechanics of Materials	4	0	6	6
7	STAT2054	Statistics for Engineers	3	0	4	4
Toplam			19	2	30,00	30,00

**5. YARIYIL**

No	Ders Kodu	Ders Adı	T	U	Kredi	ECTS
1	ECON2003	Introduction to Economics	3	0	4	4
2	ME3000	Summer Practice I	0	0	10	10
3	ME3013	Manufacturing Processes I	3	2	5	5
4	ME3015	Mechanisms	3	0	5	5
5	ME3021	System Dynamics and Control	3	0	5	5
6	ME3031	Machine Design I	2	2	5	5
7	ME3061	Fluid Mechanics	4	0	6	6
Toplam			18	4	40,00	40,00

**6. YARIYIL**

No	Ders Kodu	Ders Adı	T	U	Kredi	ECTS
1	ECON2004	Engineering Economy	2	0	4	4
2	ME3032	Machine Design II	3	0	5	5
3	ME3071	Heat Transfer	4	0	6	6
4	ME3098	Machine Design Project	0	2	2	2
5	NTE_2	Non-Technical Elective - 2 (Ders 1) [Bu ders NTE_2 ders grubundan alınacaktır, aşağıya bakınız]	2	0	3	3
6	TE-1-2	Technical Elective - 1-2 (Ders 1) [Bu ders TE-1-2 ders grubundan alınacaktır, aşağıya bakınız]	3	0	5	5
7	TE-1-2	Technical Elective - 1-2 (Ders 2) [Bu ders TE-1-2 ders grubundan alınacaktır, aşağıya bakınız]	3	0	5	5
Toplam			17	2	30,00	30,00

**7. YARIYIL**

No	Ders Kodu	Ders Adı	T	U	Kredi	ECTS
1	ENG-UE	University Elective (Ders 1) [Bu ders ENG-UE ders grubundan alınacaktır, aşağıya bakınız]	2	0	3	3
2	ISG121	İş Sağlığı ve Güvenliği I	2	0	2	2
3	ME4030	Thermal System Design	3	0	5	5
4	ME4031	Mechanical System Design	2	2	4	4
5	ME4041	Computer-Aided Design Techniques	2	2	5	5
6	ME4097	Engineering Project I	0	2	2	2
7	ME4111	Experimental Methods in Mechanical Engineering	2	2	4	4
8	TE_3	Technical Elective - 3 (Ders 1) [Bu ders TE_3 ders grubundan alınacaktır, aşağıya bakınız]	3	0	5	5
Toplam			16	8	30,00	30,00

Mühendislik Fakültesi

Makine Mühendisliği (İngilizce) - Dönemlik

Lisans - 2023 - Makine Mühendisliği (İngilizce) - Lisans

Genel Toplam

Ders Adedi :60

T : 138

U : 37

Kredi : 260

ECTS : 260

T+U : 175

8. YARIYIL

No	Ders Kodu	Ders Adı	T	U	Kredi	ECTS
1	ENG-FTE	Faculty Technical Electives (Ders 1) <small>[Bu ders ENG-FTE ders grubundan alınacaktır, aşağıya bakınız]</small>	3	0	5	5
2	ISG122	İş Sağlığı ve Güvenliği II	2	0	2	2
3	ME4000	Summer Practice II	0	0	10	10
4	ME4001	Mechanical Engineering Laboratory	0	3	5	5
5	ME4098	Engineering Project II	0	4	5	5
6	NTE_3	Non-Technical Elective - 3 (Ders 1) <small>[Bu ders NTE_3 ders grubundan alınacaktır, aşağıya bakınız]</small>	2	0	3	3
7	TE-4,5	Technical Elective - 4-5 (Ders 1) <small>[Bu ders TE-4,5 ders grubundan alınacaktır, aşağıya bakınız]</small>	3	0	5	5
8	TE-4,5	Technical Elective - 4-5 (Ders 2) <small>[Bu ders TE-4,5 ders grubundan alınacaktır, aşağıya bakınız]</small>	3	0	5	5
Toplam			13	7	40,00	40,00

ME-NTE1

No	Ders Kodu	Ders Adı	T	U	Kredi	ECTS
1	BUS1003	Entrepreneurship and Innovation	2	0	3	3
2	BUS1004	Strategic Entrepreneurship	2	0	3	3
3	BUS2005	International Business	2	0	3	3
4	CAS1001	Self Management	2	0	3	3
5	CAS1010	Our Biosphere	2	0	3	3
6	CAS1061	Geometric Origami	2	0	3	3
7	CAS2001	Energy for Physical Activity	2	0	3	3
8	CAS2002	Human Performance and Nutrition	2	0	3	3
9	CAS2003	Cardiopulmonary Resuscitation and First Aid Basics	2	0	3	3
10	CAS2004	Interpersonal Relations and Communication	2	0	3	3
11	CAS2005	Trekking and Orienteering	2	0	3	3
12	CAS3001	Earthquake and Rescue Principles	2	0	3	3
13	CAS3044	Positive Thinking	2	0	3	3
14	COMM2060	Communication Models and Techniques	2	0	3	3
15	FNCE3003	Investment Planning	2	0	3	3
16	HR1013	Career Development	2	0	3	3
17	HR4001	Career Orientation	2	0	3	3
18	HSS3002	Ethics in Engineering and Science	2	0	3	3
19	IKT1054	Industrial and Economic Sociology	2	0	3	3
20	INF1001	Information Literacy in Engineering	2	0	3	3
21	LAW2004	Labor Law	2	0	3	3
22	MAN1001	Principles of Managerial Economics & Financial Management	2	0	3	3
23	MGT1021	Design, Innovation and Entrepreneurship	2	0	3	3
24	MGT3082	Creativity and Innovation Management	2	0	3	3
25	MGT4083	Sustainability Management	2	0	3	3
26	MRK3082	Integrated Marketing Communication	2	0	3	3
27	MRK3084	Brand Creation/Branding	2	0	3	3
28	NTE1002	Effects of Human Behaviour on Environment	2	0	3	3
29	NTE1003	The Culture of Radiation Safety	2	0	3	3
30	NTE1004	World Cultures	2	0	3	3
31	NTE1006	Basic Principles of Accessibility in Informatics and Technology	2	0	3	3
32	NTE1008	Cinema	2	0	3	3
33	NTE1010	Introduction to Finance for Engineers	2	0	3	3
34	NTE1011	Business Communication	2	0	3	3
35	NTE1012	Introduction to Corporate Governance for Engineers	2	0	3	3
36	NTE1013	Business Intelligence for Managers	2	0	3	3

NTE\_2

No	Ders Kodu	Ders Adı	T	U	Kredi	ECTS
1	BUS1003	Entrepreneurship and Innovation	2	0	3	3
2	BUS1004	Strategic Entrepreneurship	2	0	3	3
3	BUS2005	International Business	2	0	3	3
4	CAS1001	Self Management	2	0	3	3
5	CAS1010	Our Biosphere	2	0	3	3
6	CAS1061	Geometric Origami	2	0	3	3
7	CAS2001	Energy for Physical Activity	2	0	3	3
8	CAS2002	Human Performance and Nutrition	2	0	3	3
9	CAS2003	Cardiopulmonary Resuscitation and First Aid Basics	2	0	3	3
10	CAS2004	Interpersonal Relations and Communication	2	0	3	3
11	CAS2005	Trekking and Orienteering	2	0	3	3
12	CAS3001	Earthquake and Rescue Principles	2	0	3	3
13	CAS3044	Positive Thinking	2	0	3	3
14	COMM2060	Communication Models and Techniques	2	0	3	3
15	FNCE3003	Investment Planning	2	0	3	3
16	HR1013	Career Development	2	0	3	3
17	HR4001	Career Orientation	2	0	3	3
18	HSS3002	Ethics in Engineering and Science	2	0	3	3
19	IKT1054	Industrial and Economic Sociology	2	0	3	3
20	INF1001	Information Literacy in Engineering	2	0	3	3
21	LAW2004	Labor Law	2	0	3	3
22	MAN1001	Principles of Managerial Economics & Financial Management	2	0	3	3
23	MGT1021	Design, Innovation and Entrepreneurship	2	0	3	3
24	MGT3082	Creativity and Innovation Management	2	0	3	3
25	MGT4083	Sustainability Management	2	0	3	3
26	MRK3082	Integrated Marketing Communication	2	0	3	3
27	MRK3084	Brand Creation/Branding	2	0	3	3
28	NTE1002	Effects of Human Behaviour on Environment	2	0	3	3
29	NTE1003	The Culture of Radiation Safety	2	0	3	3
30	NTE1004	World Cultures	2	0	3	3
31	NTE1006	Basic Principles of Accessibility in Informatics and Technology	2	0	3	3
32	NTE1008	Cinema	2	0	3	3
33	NTE1010	Introduction to Finance for Engineers	2	0	3	3
34	NTE1011	Business Communication	2	0	3	3
35	NTE1012	Introduction to Corporate Governance for Engineers	2	0	3	3
36	NTE1013	Business Intelligence for Managers	2	0	3	3

Mühendislik Fakültesi

Makine Mühendisliği (İngilizce) - Dönemlik

Lisans - 2023 - Makine Mühendisliği (İngilizce) - Lisans

Genel Toplam	Ders Adedi :60	T : 138	U : 37	Kredi : 260	ECTS : 260	T+U : 175
37 NTE1014	Introduction to Strategic Human Resources Management	2	0	3	3	
38 NTE1015	Introduction to Leadership & Management for Engineers	2	0	3	3	
39 NTE1016	Introduction to Strategy for Engineers	2	0	3	3	
40 NTE1017	Marketing in a Technology Driven world for Engineers	2	0	3	3	
41 NTE1018	Introduction to Business World for Engineers	2	0	3	3	
42 NTE1019	Introduction to Programming with Python	2	0	3	3	
43 NTE1020	Introduction to Angel Financing for Engineers	2	0	3	3	
44 OB2040	Industrial Psychology	2	0	3	3	
45 OB2041	Behavioral Sciences for Engineers	2	0	3	3	
46 OB3043	Organizational Behaviour	2	0	3	3	
47 SOC3082	Environmental Sociology	2	0	3	3	
48 YDA1001	German for Beginners	2	0	3	3	
49 YDA1002	German	2	0	3	3	
50 YDA1003	German Communication	2	0	3	3	
51 YDA2001	Seminars in German	2	0	3	3	
52 YDAR1001	Arabic for Beginners	2	0	3	3	
53 YDC1001	Chinese - I	2	0	3	3	
54 YDC1002	Chinese - II	2	0	3	3	
55 YDC1003	Chinese - III	2	0	3	3	
56 YDF1001	French for Beginners	2	0	3	3	
57 YDF1002	French	2	0	3	3	
58 YDI1004	Report Writing in English	2	0	3	3	
59 YDIS1001	Spanish for Beginners	2	0	3	3	
60 YDIS1002	Spanish	2	0	3	3	
61 YDJ1001	Japanese I	2	0	3	3	
62 YDJ1002	Japanese II	2	0	3	3	

TE-1-2						
No	Ders Kodu	Ders Adı	T	U	Kredi	ECTS
1	DP.TE1	Exchange Program Technical Elective-1	3	0	5	5
2	DP.TE2	Exchange Program Technical Elective-2	3	0	5	5
3	DP.TE3	Exchange Program Technical Elective-3	3	0	5	5
4	DP.TE4	Exchange Program Technical Elective-4	3	0	5	5
5	DP.TE5	Exchange Program Technical Elective-5	3	0	5	5
6	DP.TE6	Exchange Program Technical Elective-6	3	0	5	5
7	DP.TE7	Exchange Program Technical Elective-7	3	0	5	5
8	ME3004	Mathematical Modeling in Mechanical Engineering	3	0	5	5
9	ME3018	Mechanical Vibrations	3	0	5	5
10	ME3020	Dynamics of Mechanisms and Machines	3	0	5	5
11	ME3022	Mechatronics	3	0	5	5
12	ME3064	Hydraulic Machinery	3	0	5	5
13	ME3072	Advanced Strength of Materials	3	0	5	5
14	ME4003	Computational Methods in Mechanical Engineering	3	0	5	5
15	ME4013	Manufacturing Processes II	3	0	5	5
16	ME4016	Mechanics of Composite Materials	3	0	5	5
17	ME4017	Micro Electro Mechanical Systems	3	0	5	5
18	ME4018	Introduction to Robotics	3	0	5	5
19	ME4019	Introduction to Finite Element Analysis	3	0	5	5
20	ME4022	Control Systems	3	0	5	5
21	ME4032	Reliability for Mechanical Engineers	3	0	5	5
22	ME4034	Optimization of Mechanical Systems	3	0	5	5

ENG-UE						
No	Ders Kodu	Ders Adı	T	U	Kredi	ECTS
1	BUS1003	Entrepreneurship and Innovation	2	0	3	3
2	BUS1004	Strategic Entrepreneurship	2	0	3	3
3	BUS2005	International Business	2	0	3	3
4	CAS1001	Self Management	2	0	3	3
5	CAS1010	Our Biosphere	2	0	3	3
6	CAS1061	Geometric Origami	2	0	3	3
7	CAS2001	Energy for Physical Activity	2	0	3	3
8	CAS2002	Human Performance and Nutrition	2	0	3	3
9	CAS2003	Cardiopulmonary Resuscitation and First Aid Basics	2	0	3	3
10	CAS2004	Interpersonal Relations and Communication	2	0	3	3
11	CAS2005	Trekking and Orienteering	2	0	3	3
12	CAS3001	Earthquake and Rescue Principles	2	0	3	3
13	CAS3044	Positive Thinking	2	0	3	3
14	COMM2060	Communication Models and Techniques	2	0	3	3
15	FNCE3003	Investment Planning	2	0	3	3
16	HR1013	Career Development	2	0	3	3
17	HR4001	Career Orientation	2	0	3	3
18	HSS3002	Ethics in Engineering and Science	2	0	3	3
19	IKT1054	Industrial and Economic Sociology	2	0	3	3
20	INF1001	Information Literacy in Engineering	2	0	3	3
21	LAW2004	Labor Law	2	0	3	3
22	MAN1001	Principles of Managerial Economics & Financial Management	2	0	3	3
23	MGT1021	Design, Innovation and Entrepreneurship	2	0	3	3
24	MGT3082	Creativity and Innovation Management	2	0	3	3

Mühendislik Fakültesi

Makine Mühendisliği (İngilizce) - Dönemlik

Lisans - 2023 - Makine Mühendisliği (İngilizce) - Lisans

Genel Toplam    Ders Adedi :60    T : 138    U : 37    Kredi : 260    ECTS : 260    T+U : 175

23	ME4042	Computer-Aided Manufacturing	3	0	5	5
24	ME4044	Production Planning & Control	3	0	5	5
25	ME4045	Production Engineering I	3	0	5	5
26	ME4046	Production Engineering II	3	0	5	5
27	ME4051	Automotive Engineering	3	0	5	5
28	ME4060	Computational Fluid Dynamics and Heat Transfer	3	0	5	5
29	ME4061	Compressible Fluid Flow	3	0	5	5
30	ME4062	Fluid Power System	3	0	5	5
31	ME4071	Natural Gas Applications	3	0	5	5
32	ME4072	Thermal Environmental Engineering	3	0	5	5
33	ME4074	HVAC System Design	3	0	5	5
34	ME4075	Design and Rating of Heat Exchangers	3	0	5	5
35	ME4076	Refrigeration	3	0	5	5
36	ME4077	Steam Boilers	3	0	5	5
37	ME4079	Thermic Turbomachineries	3	0	5	5
38	ME4081	Energy Conversion Systems I	3	0	5	5
39	ME4082	Energy Conversion Systems II	3	0	5	5
40	ME4083	Internal Combustion Engines I	3	0	5	5
41	ME4084	Internal Combustion Engines II	3	0	5	5
42	ME4086	Solar Energy Technology	3	0	5	5
43	ME4087	Renewable Energy Utilization	3	0	5	5
44	ME4095	Special Topics in Mechanical Engineering I	3	0	5	5
45	ME4096	Special Topics in Mechanical Engineering II	3	0	5	5

25	MGT4083	Sustainability Management	2	0	3	3
26	MRK3082	Integrated Marketing Communication	2	0	3	3
27	MRK3084	Brand Creation/Branding	2	0	3	3
28	NTE1002	Effects of Human Behaviour on Environment	2	0	3	3
29	NTE1003	The Culture of Radiation Safety	2	0	3	3
30	NTE1004	World Cultures	2	0	3	3
31	NTE1006	Basic Principles of Accessibility in Informatics and Technology	2	0	3	3
32	NTE1008	Cinema	2	0	3	3
33	NTE1010	Introduction to Finance for Engineers	2	0	3	3
34	NTE1011	Business Communication	2	0	3	3
35	NTE1012	Introduction to Corporate Governance for Engineers	2	0	3	3
36	NTE1013	Business Intelligence for Managers	2	0	3	3
37	NTE1014	Introduction to Strategic Human Resources Management	2	0	3	3
38	NTE1015	Introduction to Leadership & Management for Engineers	2	0	3	3
39	NTE1016	Introduction to Strategy for Engineers	2	0	3	3
40	NTE1017	Marketing in a Technology Driven world for Engineers	2	0	3	3
41	NTE1018	Introduction to Business World for Engineers	2	0	3	3
42	NTE1019	Introduction to Programming with Python	2	0	3	3
43	NTE1020	Introduction to Angel Financing for Engineers	2	0	3	3
44	OB2040	Industrial Psychology	2	0	3	3
45	OB2041	Behavioral Sciences for Engineers	2	0	3	3
46	OB3043	Organizational Behaviour	2	0	3	3
47	SOC3082	Environmental Sociology	2	0	3	3
48	YDA1001	German for Beginners	2	0	3	3
49	YDA1002	German	2	0	3	3
50	YDA1003	German Communication	2	0	3	3
51	YDA2001	Seminars in German	2	0	3	3
52	YDAR1001	Arabic for Beginners	2	0	3	3
53	YDC1001	Chinese - I	2	0	3	3
54	YDC1002	Chinese - II	2	0	3	3
55	YDC1003	Chinese - III	2	0	3	3
56	YDF1001	French for Beginners	2	0	3	3
57	YDF1002	French	2	0	3	3
58	YDI1004	Report Writing in English	2	0	3	3
59	YDIS1001	Spanish for Beginners	2	0	3	3
60	YDIS1002	Spanish	2	0	3	3
61	YDJ1001	Japanese I	2	0	3	3
62	YDJ1002	Japanese II	2	0	3	3

TE\_3

No	Ders Kodu	Ders Adı	T	U	Kredi	ECTS
1	DP.TE1	Exchange Program Technical Elective-1	3	0	5	5
2	DP.TE2	Exchange Program Technical Elective-2	3	0	5	5
3	DP.TE3	Exchange Program Technical Elective-3	3	0	5	5
4	DP.TE4	Exchange Program Technical Elective-4	3	0	5	5
5	DP.TE5	Exchange Program Technical Elective-5	3	0	5	5
6	DP.TE6	Exchange Program Technical Elective-6	3	0	5	5
7	DP.TE7	Exchange Program Technical Elective-7	3	0	5	5
8	ME3004	Mathematical Modeling in Mechanical Engineering	3	0	5	5
9	ME3018	Mechanical Vibrations	3	0	5	5
10	ME3020	Dynamics of Mechanisms and Machines	3	0	5	5
11	ME3022	Mechatronics	3	0	5	5
12	ME3064	Hydraulic Machinery	3	0	5	5
13	ME3072	Advanced Strength of Materials	3	0	5	5
14	ME4003	Computational Methods in Mechanical Engineering	3	0	5	5
15	ME4013	Manufacturing Processes II	3	0	5	5
16	ME4016	Mechanics of Composite Materials	3	0	5	5
17	ME4017	Micro Electro Mechanical Systems	3	0	5	5
18	ME4018	Introduction to Robotics	3	0	5	5
19	ME4019	Introduction to Finite Element Analysis	3	0	5	5
20	ME4022	Control Systems	3	0	5	5
21	ME4032	Reliability for Mechanical Engineers	3	0	5	5
22	ME4034	Optimization of Mechanical Systems	3	0	5	5
23	ME4042	Computer-Aided Manufacturing	3	0	5	5
24	ME4044	Production Planning & Control	3	0	5	5
25	ME4045	Production Engineering I	3	0	5	5
26	ME4046	Production Engineering II	3	0	5	5
27	ME4051	Automotive Engineering	3	0	5	5

ENG-FTE

No	Ders Kodu	Ders Adı	T	U	Kredi	ECTS
1	BIOE4072	Planning and Management of Research	3	0	5	5
2	CHE4060	Cost Management in Chemical Industries	3	0	5	5
3	CHE4068	Financial Engineering	3	0	5	5
4	CHE4080	Chemical Engineering for Sustainable Biosphere	3	0	5	5
5	CSE4044	Software Project Management	3	0	5	5
6	CSE4056	Management of Information Systems	3	0	5	5
7	CSE4062	Introduction to Data Science and Analytics	3	0	5	5
8	EE4056	Introduction to Information Systems Management	3	0	5	5
9	EE4057	Introduction to Systems Security	3	0	5	5
10	EE4062	Introduction to Image Processing	3	0	5	5

Mühendislik Fakültesi

Makine Mühendisliği (İngilizce) - Dönemlik

Lisans - 2023 - Makine Mühendisliği (İngilizce) - Lisans

Genel Toplam    Ders Adedi :60    T : 138    U : 37    Kredi : 260    ECTS : 260    T+U : 175

28	ME4060	Computational Fluid Dynamics and Heat Transfer	3	0	5	5
29	ME4061	Compressible Fluid Flow	3	0	5	5
30	ME4062	Fluid Power System	3	0	5	5
31	ME4071	Natural Gas Applications	3	0	5	5
32	ME4072	Thermal Environmental Engineering	3	0	5	5
33	ME4074	HVAC System Design	3	0	5	5
34	ME4075	Design and Rating of Heat Exchangers	3	0	5	5
35	ME4076	Refrigeration	3	0	5	5
36	ME4077	Steam Boilers	3	0	5	5
37	ME4079	Thermic Turbomachineries	3	0	5	5
38	ME4081	Energy Conversion Systems I	3	0	5	5
39	ME4082	Energy Conversion Systems II	3	0	5	5
40	ME4083	Internal Combustion Engines I	3	0	5	5
41	ME4084	Internal Combustion Engines II	3	0	5	5
42	ME4086	Solar Energy Technology	3	0	5	5
43	ME4087	Renewable Energy Utilization	3	0	5	5
44	ME4095	Special Topics in Mechanical Engineering I	3	0	5	5
45	ME4096	Special Topics in Mechanical Engineering II	3	0	5	5

11	ENVE4062	Energy and the Environment	3	0	5	5
12	ENVE4063	Construction Materials for Environmental Engineering	3	0	5	5
13	IE4055	Design of Experiments	3	0	5	5
14	IE4087	Introduction to Total Quality Management	3	0	5	5
15	ME3004	Mathematical Modeling in Mechanical Engineering	3	0	5	5
16	ME3022	Mechatronics	3	0	5	5
17	ME4018	Introduction to Robotics	3	0	5	5
18	ME4022	Control Systems	3	0	5	5
19	ME4033	Designing Quality Products	3	0	5	5
20	ME4051	Automotive Engineering	3	0	5	5
21	MGT4076	Quality Management System in Automotive Industry	3	0	5	5
22	MGT4078	Sustainable Innovation and Circular Economy	3	0	5	5
23	MGT4082	Advanced Innovative Design Management for Entrepreneurship	3	0	5	5
24	MGT4084	Innovation and New Product Development Management	3	0	5	5
25	MGT4086	Managing Engineering and Technology	3	0	5	5
26	MGT4088	Project Management for Engineers	3	0	5	5
27	MGT4090	Business Management for Engineers	3	0	5	5
28	MSE4073	Materials Engineering Economics and Plant Design	3	0	5	5
29	MSE4074	Total Quality Management in Materials Engineering	3	0	5	5

NTE\_3

No	Ders Kodu	Ders Adı	T	U	Kredi	ECTS
1	BUS1003	Entrepreneurship and Innovation	2	0	3	3
2	BUS1004	Strategic Entrepreneurship	2	0	3	3
3	BUS2005	International Business	2	0	3	3
4	CAS1001	Self Management	2	0	3	3
5	CAS1010	Our Biosphere	2	0	3	3
6	CAS1061	Geometric Origami	2	0	3	3
7	CAS2001	Energy for Physical Activity	2	0	3	3
8	CAS2002	Human Performance and Nutrition	2	0	3	3
9	CAS2003	Cardiopulmonary Resuscitation and First Aid Basics	2	0	3	3
10	CAS2004	Interpersonal Relations and Communication	2	0	3	3
11	CAS2005	Trekking and Orienteering	2	0	3	3
12	CAS3001	Earthquake and Rescue Principles	2	0	3	3
13	CAS3044	Positive Thinking	2	0	3	3
14	COMM2060	Communication Models and Techniques	2	0	3	3
15	FNCE3003	Investment Planning	2	0	3	3
16	HR1013	Career Development	2	0	3	3
17	HR4001	Career Orientation	2	0	3	3
18	HSS3002	Ethics in Engineering and Science	2	0	3	3
19	IKT1054	Industrial and Economic Sociology	2	0	3	3
20	INF1001	Information Literacy in Engineering	2	0	3	3
21	LAW2004	Labor Law	2	0	3	3
22	MAN1001	Principles of Managerial Economics & Financial Management	2	0	3	3
23	MGT1021	Design, Innovation and Entrepreneurship	2	0	3	3
24	MGT3082	Creativity and Innovation Management	2	0	3	3
25	MGT4083	Sustainability Management	2	0	3	3
26	MRK3082	Integrated Marketing Communication	2	0	3	3
27	MRK3084	Brand Creation/Branding	2	0	3	3
28	NTE1002	Effects of Human Behaviour on Environment	2	0	3	3
29	NTE1003	The Culture of Radiation Safety	2	0	3	3
30	NTE1004	World Cultures	2	0	3	3
31	NTE1006	Basic Principles of Accessibility in Informatics and Technology	2	0	3	3
32	NTE1008	Cinema	2	0	3	3

TE-4,5

No	Ders Kodu	Ders Adı	T	U	Kredi	ECTS
1	DP.TE1	Exchange Program Technical Elective-1	3	0	5	5
2	DP.TE2	Exchange Program Technical Elective-2	3	0	5	5
3	DP.TE3	Exchange Program Technical Elective-3	3	0	5	5
4	DP.TE4	Exchange Program Technical Elective-4	3	0	5	5
5	DP.TE5	Exchange Program Technical Elective-5	3	0	5	5
6	DP.TE6	Exchange Program Technical Elective-6	3	0	5	5
7	DP.TE7	Exchange Program Technical Elective-7	3	0	5	5
8	ME3004	Mathematical Modeling in Mechanical Engineering	3	0	5	5
9	ME3018	Mechanical Vibrations	3	0	5	5
10	ME3020	Dynamics of Mechanisms and Machines	3	0	5	5
11	ME3022	Mechatronics	3	0	5	5
12	ME3064	Hydraulic Machinery	3	0	5	5
13	ME3072	Advanced Strength of Materials	3	0	5	5
14	ME4003	Computational Methods in Mechanical Engineering	3	0	5	5
15	ME4013	Manufacturing Processes II	3	0	5	5
16	ME4016	Mechanics of Composite Materials	3	0	5	5
17	ME4017	Micro Electro Mechanical Systems	3	0	5	5
18	ME4018	Introduction to Robotics	3	0	5	5
19	ME4019	Introduction to Finite Element Analysis	3	0	5	5
20	ME4022	Control Systems	3	0	5	5
21	ME4032	Reliability for Mechanical Engineers	3	0	5	5
22	ME4034	Optimization of Mechanical Systems	3	0	5	5
23	ME4042	Computer-Aided Manufacturing	3	0	5	5
24	ME4044	Production Planning & Control	3	0	5	5
25	ME4045	Production Engineering I	3	0	5	5
26	ME4046	Production Engineering II	3	0	5	5
27	ME4051	Automotive Engineering	3	0	5	5

**Mühendislik Fakültesi****Makine Mühendisliği (İngilizce) - Dönemlik****Lisans - 2023 - Makine Mühendisliği (İngilizce) - Lisans**

<b>Genel Toplam</b>	<b>Ders Adedi :60</b>	<b>T : 138</b>	<b>U : 37</b>	<b>Kredi : 260</b>	<b>ECTS : 260</b>	<b>T+U : 175</b>							
33	NTE1010	Introduction to Finance for Engineers	2	0	3	3	28	ME4060	Computational Fluid Dynamics and Heat Transfer	3	0	5	5
34	NTE1011	Business Communication	2	0	3	3	29	ME4061	Compressible Fluid Flow	3	0	5	5
35	NTE1012	Introduction to Corporate Governance for Engineers	2	0	3	3	30	ME4062	Fluid Power System	3	0	5	5
36	NTE1013	Business Intelligence for Managers	2	0	3	3	31	ME4071	Natural Gas Applications	3	0	5	5
37	NTE1014	Introduction to Strategic Human Resources Management	2	0	3	3	32	ME4072	Thermal Environmental Engineering	3	0	5	5
38	NTE1015	Introduction to Leadership & Management for Engineers	2	0	3	3	33	ME4074	HVAC System Design	3	0	5	5
39	NTE1016	Introduction to Strategy for Engineers	2	0	3	3	34	ME4075	Design and Rating of Heat Exchangers	3	0	5	5
40	NTE1017	Marketing in a Technology Driven world for Engineers	2	0	3	3	35	ME4076	Refrigeration	3	0	5	5
41	NTE1018	Introduction to Business World for Engineers	2	0	3	3	36	ME4077	Steam Boilers	3	0	5	5
42	NTE1019	Introduction to Programming with Python	2	0	3	3	37	ME4079	Thermic Turbomachineries	3	0	5	5
43	NTE1020	Introduction to Angel Financing for Engineers	2	0	3	3	38	ME4081	Energy Conversion Systems I	3	0	5	5
44	OB2040	Industrial Psychology	2	0	3	3	39	ME4082	Energy Conversion Systems II	3	0	5	5
45	OB2041	Behavioral Sciences for Engineers	2	0	3	3	40	ME4083	Internal Combustion Engines I	3	0	5	5
46	OB3043	Organizational Behaviour	2	0	3	3	41	ME4084	Internal Combustion Engines II	3	0	5	5
47	SOC3082	Environmental Sociology	2	0	3	3	42	ME4086	Solar Energy Technology	3	0	5	5
48	YDA1001	German for Beginners	2	0	3	3	43	ME4087	Renewable Energy Utilization	3	0	5	5
49	YDA1002	German	2	0	3	3	44	ME4095	Special Topics in Mechanical Engineering I	3	0	5	5
50	YDA1003	German Communication	2	0	3	3	45	ME4096	Special Topics in Mechanical Engineering II	3	0	5	5
51	YDA2001	Seminars in German	2	0	3	3							
52	YDAR1001	Arabic for Beginners	2	0	3	3							
53	YDC1001	Chinese - I	2	0	3	3							
54	YDC1002	Chinese - II	2	0	3	3							
55	YDC1003	Chinese - III	2	0	3	3							
56	YDF1001	French for Beginners	2	0	3	3							
57	YDF1002	French	2	0	3	3							
58	YDI1004	Report Writing in English	2	0	3	3							
59	YDIS1001	Spanish for Beginners	2	0	3	3							
60	YDIS1002	Spanish	2	0	3	3							
61	YDJ1001	Japanese I	2	0	3	3							
62	YDJ1002	Japanese II	2	0	3	3							