

Mühendislik Fakültesi
Endüstri Mühendisliği (İngilizce) - 2023 (Aktif)

Genel Toplam Ders Adedi = 54 T = 130 U = 32 Kredi = 260 ECTS = 260 Toplam Saat (T+U)= 162

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	CHEM1007	Basic Chemistry	4	0	6	6
3	CSE1143	Computer Programming for Industrial Engineering	3	2	5	5
4	IE1001	Introduction to Industrial Engineering	2	0	3	3
5	MATH1001	Calculus I	4	0	6	6
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	4	30	30

2. YARIYIL

No	Ders Kodu	Ders Adı	T	U	Kredi	ECTS
1	ATA122	Atatürk İlkeleri ve İnkılap Tarihi II	2	0	2	2
2	CSE1144	Intermediate Programming for Industrial Engineering	3	2	6	6
3	IE1002	Industrial Engineering Fundamentals	2	0	3	3
4	MATH1002	Calculus II	4	0	6	6
5	ME1161	Engineering Drawing	1	2	5	5
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	6	30	30

3. YARIYIL

No	Ders Kodu	Ders Adı	T	U	Kredi	ECTS
1	ECON2003	Introduction to Economics	3	0	4	4
2	IE2251	Probability for Industrial Engineers	3	2	6	6
3	MATH2055	Differential Equations	3	0	4	4
4	ME2075	Statics and Strength of Materials	3	0	4	4
5	MSE2072	Introduction to Materials Science	3	0	4	4
6	NTE_1	Non-Technical Elective - 1	2	0	3	3
7	ENG-UE	University Elective (Ders1)	2	0	3	3
8	ISG121	İş Sağlığı ve Güvenliği I	2	0	2	2
TOPLAM			21	2	30	30

4. YARIYIL

No	Ders Kodu	Ders Adı	T	U	Kredi	ECTS
1	ECON2004	Engineering Economy	2	0	4	4
2	MATH2054	Discrete Mathematics for Industrial Engineering	3	0	6	6
3	IE2252	Statistics for Industrial Engineers	3	2	7	7
4	MATH2056	Linear Algebra	3	0	4	4
5	MATH2059	Numerical Methods	3	0	4	4
6	NTE_2	Non-Technical Elective - 2	2	0	3	3
7	ISG122	İş Sağlığı ve Güvenliği II	2	0	2	2
TOPLAM			18	2	30	30

5. YARIYIL

No	Ders Kodu	Ders Adı	T	U	Kredi	ECTS
1	ACC3013	Cost Accounting	3	0	5	5
2	IE3000	Summer Practice I	0	0	10	10
3	IE3025	Production Planning and Control I	3	2	7	7
4	IE3033	Operations Research I	3	2	6	6
5	IE3045	Introduction to Management Information Systems	3	0	6	6
6	IE3085	Quality Methods	3	0	6	6
TOPLAM			15	4	40	40

6. YARIYIL

No	Ders Kodu	Ders Adı	T	U	Kredi	ECTS
1	IE3026	Production Planning and Control II	3	2	6	6
2	IE3034	Operations Research II	3	2	7	7
3	IE3036	Work Study and Ergonomics	3	0	5	5
4	IE3064	Introduction to Simulation	3	2	7	7
5	TE_1	Technical Elective - 1 (Ders1)	3	0	5	5
TOPLAM			15	6	30	30

7. YARIYIL

No	Ders Kodu	Ders Adı	T	U	Kredi	ECTS
1	IE4000	Summer Practice II	0	0	10	10
2	IE4027	Scheduling and Sequencing	2	2	5	5
3	IE4031	Decision Analysis	3	0	5	5
4	IE4297	Engineering Project - I	0	2	7	7
5	TE_2,3	Technical Elective - 2,3 (Ders1)	3	0	5	5
6	TE_2,3	Technical Elective - 2,3 (Ders2)	3	0	5	5
7	NTE_3	Non-Technical Elective - 3	2	0	3	3
TOPLAM			13	4	40	40

8. YARIYIL

No	Ders Kodu	Ders Adı	T	U	Kredi	ECTS
1	ENG-FTE	Faculty technical Electives (Ders1)	3	0	5	5
2	IE4036	Project Management	2	2	5	5
3	IE4298	Engineering Project - II	0	2	10	10
4	TE_4,5	Technical Elective - 4,5 (Ders1)	3	0	5	5
5	TE_4,5	Technical Elective - 4,5 (Ders2)	3	0	5	5
TOPLAM			11	4	30	30

Endüstri Mühendisliği (İngilizce) - NTE / TE / ENG-UE / ENG-FTE

Lisans - 2023 - Endüstri Mühendisliği (İngilizce) - Anadal

NTE_1						
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	MRK3082	Integrated Marketing Communication	2	0	3	3
26	MRK3084	Brand Creation/Branding	2	0	3	3
27	NTE1002	Effects of Human Behaviour on Environment	2	0	3	3
28	NTE1003	The Culture of Radiation Safety	2	0	3	3
29	NTE1004	World Cultures	2	0	3	3
30	NTE1006	Basic Principles of Accessibility in Informatics and Technology	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	MRK3082	Integrated Marketing Communication	2	0	3	3
26	MRK3084	Brand Creation/Branding	2	0	3	3
27	NTE1002	Effects of Human Behaviour on Environment	2	0	3	3
28	NTE1003	The Culture of Radiation Safety	2	0	3	3
29	NTE1004	World Cultures	2	0	3	3
30	NTE1006	Basic Principles of Accessibility in Informatics and Technology	2	0	3	3

31	NTE1008	Cinema	2	0	3	3
32	NTE1010	Introduction to Finance for Engineers	2	0	3	3
33	NTE1011	Business Communication	2	0	3	3
34	NTE1012	Introduction to Corporate Governance for Engineers	2	0	3	3
35	NTE1013	Business Intelligence for Managers	2	0	3	3
36	NTE1014	Introduction to Strategic Human Resources Management	2	0	3	3
37	NTE1015	Introduction to Leadership & Management for Engineers	2	0	3	3
38	NTE1016	Introduction to Strategy for Engineers	2	0	3	3
39	NTE1017	Marketing in a Technology Driven world for Engineers	2	0	3	3
40	NTE1018	Introduction to Business World for Engineers	2	0	3	3
41	NTE1019	Introduction to Programming with Python	2	0	3	3
42	OB2040	Industrial Psychology	2	0	3	3
43	OB2041	Behavioral Sciences for Engineers	2	0	3	3
44	OB3043	Organizational Behaviour	2	0	3	3
45	SOC3082	Environmental Sociology	2	0	3	3
46	YDA1001	German for Beginners	2	0	3	3
47	YDA1002	German	2	0	3	3
48	YDA1003	German Communication	2	0	3	3
49	YDA2001	Seminars in German	2	0	3	3
50	YDAR1001	Arabic for Beginners	2	0	3	3
51	YDF1001	French for Beginners	2	0	3	3
52	YDF1002	French	2	0	3	3
53	YDI1004	Report Writing in English	2	0	3	3
54	YDIS1001	Spanish for Beginners	2	0	3	3
55	YDIS1002	Spanish	2	0	3	3

31	NTE1008	Cinema	2	0	3	3
32	NTE1010	Introduction to Finance for Engineers	2	0	3	3
33	NTE1011	Business Communication	2	0	3	3
34	NTE1012	Introduction to Corporate Governance for Engineers	2	0	3	3
35	NTE1013	Business Intelligence for Managers	2	0	3	3
36	NTE1014	Introduction to Strategic Human Resources Management	2	0	3	3
37	NTE1015	Introduction to Leadership & Management for Engineers	2	0	3	3
38	NTE1016	Introduction to Strategy for Engineers	2	0	3	3
39	NTE1017	Marketing in a Technology Driven world for Engineers	2	0	3	3
40	NTE1018	Introduction to Business World for Engineers	2	0	3	3
41	NTE1019	Introduction to Programming with Python	2	0	3	3
42	OB2040	Industrial Psychology	2	0	3	3
43	OB2041	Behavioral Sciences for Engineers	2	0	3	3
44	OB3043	Organizational Behaviour	2	0	3	3
45	SOC3082	Environmental Sociology	2	0	3	3
46	YDA1001	German for Beginners	2	0	3	3
47	YDA1002	German	2	0	3	3
48	YDA1003	German Communication	2	0	3	3
49	YDA2001	Seminars in German	2	0	3	3
50	YDAR1001	Arabic for Beginners	2	0	3	3
51	YDF1001	French for Beginners	2	0	3	3
52	YDF1002	French	2	0	3	3
53	YDI1004	Report Writing in English	2	0	3	3
54	YDIS1001	Spanish for Beginners	2	0	3	3
55	YDIS1002	Spanish	2	0	3	3

TE_1						
No	Ders Kodu	Ders Adı	T	U	Kredi	ECTS
1	ACC4017	Financial Accounting	3	0	5	5
2	ACC4018	Managerial Accounting	3	0	5	5
3	CSE3096	Database Management Systems	3	0	5	5
4	DP.TE1	Exchange Program Technical Elective-1	3	0	5	5
5	DP.TE2	Exchange Program Technical Elective-2	3	0	5	5
6	DP.TE3	Exchange Program Technical Elective-3	3	0	5	5
7	DP.TE4	Exchange Program Technical Elective-4	3	0	5	5
8	DP.TE5	Exchange Program Technical Elective-5	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	2	0	3	3

9	DP.TE6	Exchange Program Technical Elective-6	3	0	5	5
10	DP.TE7	Exchange Program Technical Elective-7	3	0	5	5
11	ECON4001	Managerial Economics	3	0	5	5
12	FNCE4016	Finance for Engineers	3	0	5	5
13	IE3024	Manufacturing Processes	3	0	5	5
14	IE3027	ERP Tools, Techniques and Applications	3	0	5	5
15	IE3040	Systems Engineering	3	0	5	5
16	IE3044	Human Factors Engineering	3	0	5	5
17	IE3047	Innovation Management	3	0	5	5
18	IE3050	Green Engineering	3	0	5	5
19	IE3053	Sustainability	3	0	5	5
20	IE3056	Risk Management	3	0	5	5
21	IE3061	Computer Aided Design / Manufacturing	3	0	5	5
22	IE3062	Computer Aided Engineering	3	0	5	5
23	IE3065	Advanced Programming	3	0	5	5
24	IE3074	Ergonomics	3	0	5	5
25	IE3075	Occupational Health and Safety	3	0	5	5
26	IE3087	Process Management	3	0	5	5
27	IE3088	Quality Audit	3	0	5	5
28	IE4025	Facilities Planning	3	0	5	5
29	IE4032	Introduction to Graph Theory	3	0	5	5
30	IE4033	Heuristics Solution Methods	3	0	5	5
31	IE4034	Lean Manufacturing Fundamentals	3	0	5	5
32	IE4035	Game Theory	3	0	5	5
33	IE4037	Intelligent Manufacturing Systems	3	0	5	5
34	IE4038	Artificial Intelligence in Industrial Engineering	3	0	5	5
35	IE4042	Enterprise Information Systems	3	0	5	5
36	IE4043	Applied Data Mining	3	0	5	5
37	IE4046	Manufacturing Systems	3	0	5	5
38	IE4052	Supply Chain Management	3	0	5	5
39	IE4053	Introduction to Stochastic Processes	3	0	5	5
40	IE4058	Econometrics and Forecasting	3	0	5	5
41	IE4059	Queuing Theory	3	0	5	5
42	IE4061	Computer Integrated Manufacturing	3	0	5	5
43	IE4071	Technology and Research & Development Management	3	0	5	5
44	IE4075	Foreign Expansions and Trade Techniques	3	0	5	5
45	IE4088	Reliability Theory	3	0	5	5
46	IE4093	Seminars in Industrial Engineering	3	0	5	5

Communication						
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	MRK3082	Integrated Marketing Communication	2	0	3	3
26	MRK3084	Brand Creation/Branding	2	0	3	3
27	NTE1002	Effects of Human Behaviour on Environment	2	0	3	3
28	NTE1003	The Culture of Radiation Safety	2	0	3	3
29	NTE1004	World Cultures	2	0	3	3
30	NTE1006	Basic Principles of Accessibility in Informatics and Technology	2	0	3	3
31	NTE1008	Cinema	2	0	3	3
32	NTE1010	Introduction to Finance for Engineers	2	0	3	3
33	NTE1011	Business Communication	2	0	3	3
34	NTE1012	Introduction to Corporate Governance for Engineers	2	0	3	3
35	NTE1013	Business Intelligence for Managers	2	0	3	3
36	NTE1014	Introduction to Strategic Human Resources Management	2	0	3	3
37	NTE1015	Introduction to Leadership & Management for Engineers	2	0	3	3
38	NTE1016	Introduction to Strategy for Engineers	2	0	3	3
39	NTE1017	Marketing in a Technology Driven world for Engineers	2	0	3	3
40	NTE1018	Introduction to Business World for Engineers	2	0	3	3
41	NTE1019	Introduction to Programming with Python	2	0	3	3
42	OB2040	Industrial Psychology	2	0	3	3
43	OB2041	Behavioral Sciences for Engineers	2	0	3	3
44	OB3043	Organizational Behaviour	2	0	3	3
45	SOC3082	Environmental Sociology	2	0	3	3

47	IE4094	Special Topics in Industrial Engineering	3	0	5	5
48	IE4095	Special Topics in Operations Research	3	0	5	5
49	IE4096	Current Topics in Industrial Engineering	3	0	5	5
50	MGT3072	Principles of Management	3	0	5	5
51	MGT4065	Entrepreneurship and Small Business	3	0	5	5
52	MGT4066	Management of Change	3	0	5	5
53	MGT4073	Strategic Management I	3	0	5	5
54	MGT4074	Strategic Management II	3	0	5	5
55	MRK3071	Marketing Management	3	0	5	5

46	YDA1001	German for Beginners	2	0	3	3
47	YDA1002	German	2	0	3	3
48	YDA1003	German Communication	2	0	3	3
49	YDA2001	Seminars in German	2	0	3	3
50	YDAR1001	Arabic for Beginners	2	0	3	3
51	YDF1001	French for Beginners	2	0	3	3
52	YDF1002	French	2	0	3	3
53	YDI1004	Report Writing in English	2	0	3	3
54	YDIS1001	Spanish for Beginners	2	0	3	3
55	YDIS1002	Spanish	2	0	3	3

TE_2,3						
No	Ders Kodu	Ders Adı	T	U	Kredi	ECTS
1	ACC4017	Financial Accounting	3	0	5	5
2	ACC4018	Managerial Accounting	3	0	5	5
3	CSE3096	Database Management Systems	3	0	5	5
4	DP.TE1	Exchange Program Technical Elective-1	3	0	5	5
5	DP.TE2	Exchange Program Technical Elective-2	3	0	5	5
6	DP.TE3	Exchange Program Technical Elective-3	3	0	5	5
7	DP.TE4	Exchange Program Technical Elective-4	3	0	5	5
8	DP.TE5	Exchange Program Technical Elective-5	3	0	5	5
9	DP.TE6	Exchange Program Technical Elective-6	3	0	5	5
10	DP.TE7	Exchange Program Technical Elective-7	3	0	5	5
11	ECON4001	Managerial Economics	3	0	5	5
12	FNCE4016	Finance for Engineers	3	0	5	5
13	IE3024	Manufacturing Processes	3	0	5	5
14	IE3027	ERP Tools, Techniques and Applications	3	0	5	5
15	IE3040	Systems Engineering	3	0	5	5
16	IE3044	Human Factors Engineering	3	0	5	5
17	IE3047	Innovation Management	3	0	5	5
18	IE3050	Green Engineering	3	0	5	5
19	IE3053	Sustainability	3	0	5	5
20	IE3056	Risk Management	3	0	5	5
21	IE3061	Computer Aided Design / Manufacturing	3	0	5	5
22	IE3062	Computer Aided Engineering	3	0	5	5
23	IE3065	Advanced Programming	3	0	5	5
24	IE3074	Ergonomics	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	CSE4057	Information Systems Security	3	0	5	5
8	CSE4062	Introduction to Data Science and Analytics	3	0	5	5
9	CSE4084	Multimedia Systems	3	0	5	5
10	CSE4088	Introduction to Machine Learning	3	0	5	5
11	EE4056	Introduction to Information Systems Management	3	0	5	5
12	EE4057	Introduction to Systems Security	3	0	5	5
13	EE4062	Introduction to Image Processing	3	0	5	5
14	ENVE4062	Energy and the Environment	3	0	5	5
15	ENVE4063	Construction Materials for Environmental Engineering	3	0	5	5
16	IE4055	Design of Experiments	3	0	5	5
17	IE4087	Introduction to Total Quality Management	3	0	5	5
18	ME3004	Mathematical Modeling in Mechanical Engineering	3	0	5	5
19	ME3022	Mechatronics	3	0	5	5
20	ME4018	Introduction to Robotics	3	0	5	5
21	ME4022	Control Systems	3	0	5	5
22	ME4033	Designing Quality Products	3	0	5	5
23	ME4051	Automotive Engineering	3	0	5	5
24	MGT4076	Quality Management System in Automotive Industry	3	0	5	5
25	MGT4078	Sustainable Innovation and Circular Economy	3	0	5	5

25	IE3075	Occupational Health and Safety	3	0	5	5
26	IE3087	Process Management	3	0	5	5
27	IE3088	Quality Audit	3	0	5	5
28	IE4025	Facilities Planning	3	0	5	5
29	IE4032	Introduction to Graph Theory	3	0	5	5
30	IE4033	Heuristics Solution Methods	3	0	5	5
31	IE4034	Lean Manufacturing Fundamentals	3	0	5	5
32	IE4035	Game Theory	3	0	5	5
33	IE4037	Intelligent Manufacturing Systems	3	0	5	5
34	IE4038	Artificial Intelligence in Industrial Engineering	3	0	5	5
35	IE4042	Enterprise Information Systems	3	0	5	5
36	IE4043	Applied Data Mining	3	0	5	5
37	IE4046	Manufacturing Systems	3	0	5	5
38	IE4052	Supply Chain Management	3	0	5	5
39	IE4053	Introduction to Stochastic Processes	3	0	5	5
40	IE4058	Econometrics and Forecasting	3	0	5	5
41	IE4059	Queuing Theory	3	0	5	5
42	IE4061	Computer Integrated Manufacturing	3	0	5	5
43	IE4071	Technology and Research & Development Management	3	0	5	5
44	IE4075	Foreign Expansions and Trade Techniques	3	0	5	5
45	IE4088	Reliability Theory	3	0	5	5
46	IE4093	Seminars in Industrial Engineering	3	0	5	5
47	IE4094	Special Topics in Industrial Engineering	3	0	5	5
48	IE4095	Special Topics in Operations Research	3	0	5	5
49	IE4096	Current Topics in Industrial Engineering	3	0	5	5
50	MGT3072	Principles of Management	3	0	5	5
51	MGT4065	Entrepreneurship and Small Business Management	3	0	5	5
52	MGT4066	Management of Change	3	0	5	5
53	MGT4073	Strategic Management I	3	0	5	5
54	MGT4074	Strategic Management II	3	0	5	5
55	MRK3071	Marketing Management	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

26	MGT4082	Advanced Innovative Design Management for Entrepreneurship	3	0	5	5
27	MGT4084	Innovation and New Product Development Management	3	0	5	5
28	MGT4086	Managing Engineering and Technology	3	0	5	5
29	MGT4090	Business Management for Engineers	3	0	5	5
30	MSE4073	Materials Engineering Economics and Plant Design	3	0	5	5
31	MSE4074	Total Quality Management in Materials Engineering	3	0	5	5

TE-4,5

No	Ders Kodu	Ders Adı	T	U	Kredi	ECTS
1	ACC4017	Financial Accounting	3	0	5	5
2	ACC4018	Managerial Accounting	3	0	5	5
3	CSE3096	Database Management Systems	3	0	5	5
4	DP.TE1	Exchange Program Technical Elective-1	3	0	5	5
5	DP.TE2	Exchange Program Technical Elective-2	3	0	5	5
6	DP.TE3	Exchange Program Technical Elective-3	3	0	5	5
7	DP.TE4	Exchange Program Technical Elective-4	3	0	5	5
8	DP.TE5	Exchange Program Technical Elective-5	3	0	5	5
9	DP.TE6	Exchange Program Technical Elective-6	3	0	5	5
10	DP.TE7	Exchange Program Technical Elective-7	3	0	5	5
11	ECON4001	Managerial Economics	3	0	5	5
12	FNCE4016	Finance for Engineers	3	0	5	5
13	IE3024	Manufacturing Processes	3	0	5	5
14	IE3027	ERP Tools, Techniques and Applications	3	0	5	5
15	IE3040	Systems Engineering	3	0	5	5
16	IE3044	Human Factors Engineering	3	0	5	5
17	IE3047	Innovation Management	3	0	5	5
18	IE3050	Green Engineering	3	0	5	5
19	IE3053	Sustainability	3	0	5	5
20	IE3056	Risk Management	3	0	5	5
21	IE3061	Computer Aided Design / Manufacturing	3	0	5	5
22	IE3062	Computer Aided Engineering	3	0	5	5
23	IE3065	Advanced Programming	3	0	5	5
24	IE3074	Ergonomics	3	0	5	5
25	IE3075	Occupational Health and Safety	3	0	5	5
26	IE3087	Process Management	3	0	5	5
27	IE3088	Quality Audit	3	0	5	5

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	MRK3082	Integrated Marketing Communication	2	0	3	3
26	MRK3084	Brand Creation/Branding	2	0	3	3
27	NTE1002	Effects of Human Behaviour on Environment	2	0	3	3
28	NTE1003	The Culture of Radiation Safety	2	0	3	3
29	NTE1004	World Cultures	2	0	3	3
30	NTE1006	Basic Principles of Accessibility in Informatics and Technology	2	0	3	3
31	NTE1008	Cinema	2	0	3	3
32	NTE1010	Introduction to Finance for Engineers	2	0	3	3
33	NTE1011	Business Communication	2	0	3	3
34	NTE1012	Introduction to Corporate Governance for Engineers	2	0	3	3
35	NTE1013	Business Intelligence for Managers	2	0	3	3
36	NTE1014	Introduction to Strategic Human Resources Management	2	0	3	3
37	NTE1015	Introduction to Leadership & Management for Engineers	2	0	3	3
38	NTE1016	Introduction to Strategy for Engineers	2	0	3	3
39	NTE1017	Marketing in a Technology Driven world for Engineers	2	0	3	3

27	IE3088	Quality Audit	3	0	5	5
28	IE4025	Facilities Planning	3	0	5	5
29	IE4032	Introduction to Graph Theory	3	0	5	5
30	IE4033	Heuristics Solution Methods	3	0	5	5
31	IE4034	Lean Manufacturing Fundamentals	3	0	5	5
32	IE4035	Game Theory	3	0	5	5
33	IE4037	Intelligent Manufacturing Systems	3	0	5	5
34	IE4038	Artificial Intelligence in Industrial Engineering	3	0	5	5
35	IE4042	Enterprise Information Systems	3	0	5	5
36	IE4043	Applied Data Mining	3	0	5	5
37	IE4046	Manufacturing Systems	3	0	5	5
38	IE4052	Supply Chain Management	3	0	5	5
39	IE4053	Introduction to Stochastic Processes	3	0	5	5
40	IE4058	Econometrics and Forecasting	3	0	5	5
41	IE4059	Queuing Theory	3	0	5	5
42	IE4061	Computer Integrated Manufacturing	3	0	5	5
43	IE4071	Technology and Research & Development Management	3	0	5	5
44	IE4075	Foreign Expansions and Trade Techniques	3	0	5	5
45	IE4088	Reliability Theory	3	0	5	5
46	IE4093	Seminars in Industrial Engineering	3	0	5	5
47	IE4094	Special Topics in Industrial Engineering	3	0	5	5
48	IE4095	Special Topics in Operations Research	3	0	5	5
49	IE4096	Current Topics in Industrial Engineering	3	0	5	5
50	MGT3072	Principles of Management	3	0	5	5
51	MGT4065	Entrepreneurship and Small Business	3	0	5	5
52	MGT4066	Management of Change	3	0	5	5
53	MGT4073	Strategic Management I	3	0	5	5
54	MGT4074	Strategic Management II	3	0	5	5
55	MRK3071	Marketing Management	3	0	5	5

40	NTE1018	Introduction to Business World for Engineers	2	0	3	3
41	NTE1019	Introduction to Programming with Python	2	0	3	3
42	OB2040	Industrial Psychology	2	0	3	3
43	OB2041	Behavioral Sciences for Engineers	2	0	3	3
44	OB3043	Organizational Behaviour	2	0	3	3
45	SOC3082	Environmental Sociology	2	0	3	3
46	YDA1001	German for Beginners	2	0	3	3
47	YDA1002	German	2	0	3	3
48	YDA1003	German Communication	2	0	3	3
49	YDA2001	Seminars in German	2	0	3	3
50	YDAR1001	Arabic for Beginners	2	0	3	3
51	YDF1001	French for Beginners	2	0	3	3
52	YDF1002	French	2	0	3	3
53	YDI1004	Report Writing in English	2	0	3	3
54	YDIS1001	Spanish for Beginners	2	0	3	3
55	YDIS1002	Spanish	2	0	3	3