

**FOR ELEKTRONIC AND COMMUNICATION ENGINEERING DEPARTMENT STUDENTS-DOUBLE
MAJOR PROGRAM
ELEKTRONİK VE HABERLEŞME MÜHENDİSLİĞİ BÖLÜMÜ-ÇİFT ANADAL PROGRAMI**

	Code	Course Title	T	R	C	ECTS
1	ME 113	Computer Aided Engineering Drawing I	2	2	3	5
2	ME 114	Computer Aided Engineering Drawing II	2	2	3	4
3	ME 202	Strength of Materials	3	0	3	5
4	ME 203	Statics	3	0	3	6
5	ME 206	Dynamics	3	0	3	4
6	ME 210	Manufacturing Processes	3	2	4	5
7	ME 211	Thermodynamics I	3	0	3	5
8	ME 212	Thermodynamics II	3	0	3	7
9	ME 303	Fluid Mechanics I	3	0	3	4
10	ME 307	Machine Elements I	3	0	3	5
11	ME 313	Heat Transfer	4	0	4	4
12	ME 301	Theory of Machines I	3	0	3	4
13	ME 304	Fluid Mechanics II	3	0	3	5
14	ME 302	Theory of Machines II	3	0	3	5
15	ME 308	Machine Elements II	3	0	3	5
16	ME 312	Experimentation and Measurement	3	2	4	5
17	MSE 225	Introduction to Materials Science	3	2	4	6
18	MSE 226	Engineering Materials	3	0	3	5
19	ME 407	Innovative Engineering Analysis and Design	1	4	3	4
20	ME 413	Mechanical Engineering Laboratory I	1	4	3	5
21	ME 431	System Dynamics	3	0	3	4
22	ME 408	Innovative Engineering Design and Implementation	2	4	4	7
23	ME 414	Mechanical Engineering Laboratory II	1	4	3	5
24	Elective	Restricted Elective(*)	3	0	3	5
25	Elective	Technical Elective I(**)	3	0	3	5
26	Elective	Technical Elective II(**)	3	0	3	5
27	Elective	Technical Elective III(**)	3	0	3	5
28	ME 200	Summer Training I	0	0	0	5

TOTAL COURSE/TOPLAM DERS	28
TOTAL CREDIT/TOPLAM KREDİ	86
TOTAL ECTS/TOPLAM AKTS	139

(*) Students should take at least one course among ME 402 "Introduction to Finite Element Analysis" and ME 463 "Computational Fluid Dynamics".

(**) Students must take at least one course from Thermal System Design Courses and at least one course from Mechanical System Design Courses to fulfill the thermal and mechanical systems design criteria. (Student who started the program before 2019-2020 Academic Year should take one course from Thermal System Design Courses if his/her ME407 design project is about a mechanical system; should take one course from Mechanical System Design Courses if his/her ME407 design project is about a thermal system.)