FOR MECHATRONICS ENGINEERING DEPARTAMENT STUDENTS-DOUBLE MAJOR PROGRAM
MEKATRONİK MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİ İÇİN-ÇİFT ANADAL PROGRAMI

	Ders kodu	Dersin Adı	T	U	K	AKTS
1	ME 211	Thermodynamics I	3	0	3	5
2	ME 212	Thermodynamics II	3	0	3	7
3	ME 303	Fluid Mechanics I	3	0	3	4
4	ME 313	Heat Transfer	4	0	4	4
5	ME 304	Fluid Mechanics II	3	0	3	5
6	ME 302	Theory of Machines II	3	0	3	5
7	ME 312	Experimentation and Measurement	3	2	4	5
8	MSE 225	Introduction to Materials Science	3	2	4	6
9	MSE 226	Engineering Materials	3	0	3	5
10	ME 331	Numerical Methods for Mechanical Engineers	3	0	3	5
11	ME 407	Innovative Engineering Analysis and Design	1	4	3	5
12	ME 413	Mechanical Engineering Laboratory I	1	4	3	5
13	ME 431	System Dynamics	3	0	3	4
14	ME 408	Innovative Engineering Design and Implementation	2	4	4	7
15	ME 414	Mechanical Engineering Laboratory II	1	4	3	5
16	Elective	Restricted Elective(*)	3	0	3	5
17	Elective	Technical Elective I(**)	3	0	3	5
18	Elective	Technical Elective II(**)	3	0	3	5
19	ME 200	Summer Training I	0	0	0	5

TOTAL COURSE /TOPLAM DERS	19
TOTAL CREDIT / TOPLAM KREDİ	58
TOTAL ECTS / TOPLAM AKTS	97

(*) 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 Mechanic System Design Courses if his/her ME407 design project is about a thermal system.)