

**FOR CIVIL ENGINEERING DEPARTMENT STUDENTS-DOUBLE MAJOR PROGRAM
İNŞAAT MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİ İÇİN-ÇİFT ANADAL PROGRAMI**

	Ders kodu	Dersin Adı	T	U	K	AKTS
1	ME 114	Computer Aided Engineering Drawing II	2	2	3	4
2	ME 210	Manufacturing Processes	3	2	4	5
3	ME 211	Thermodynamics I	3	0	3	5
4	ME 212	Thermodynamics II	3	0	3	7
5	ME 313	Heat Transfer	4	0	4	4
6	ME 304	Fluid Mechanics II	3	0	3	5
7	ME 301	Theory of Machines I	3	0	3	4
8	ME 302	Theory of Machines II	3	0	3	5
9	ME 307	Machine Elements I	3	0	3	5
10	ME 312	Experimentation and Measurement	3	2	4	5
11	ME 308	Machine Elements II	3	0	3	5
12	ECE 281	Electrical Circuits and Instrumentation + Laboratory	2	2	3	6
13	ECE 386	Introduction to Automatic Control	3	0	3	5
14	MSE 226	Engineering Materials	3	0	3	4
15	ME 407	Innovative Engineering Analysis and Design	1	4	3	4
16	ME 413	Mechanical Engineering Laboratory I	1	4	3	5
17	ME 431	System Dynamics	3	0	3	4
18	ME 408	Innovative Engineering Design and Implementation	2	4	4	7
19	ME 414	Mechanical Engineering Laboratory II	1	4	3	5
20	Elective	Restricted Elective(*)	3	0	3	5
21	Elective	Technical Elective I(**)	3	0	3	5
22	Elective	Technical Elective II(**)	3	0	3	5
23	Elective	Technical Elective III(**)	3	0	3	5
24	ME 200	Summer Training I	0	0	0	5

TOTAL COURSE / TOPLAM DERS	24
TOTAL CREDIT / TOPLAM KREDİ	73
TOTAL ECTS / TOPLAM AKTS	119

(*) 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.)