

**DOUBLE MAJOR PROGRAM FOR SOFTWARE ENGINEERING DEPARTMENT STUDENTS  
YAZILIM MÜHENDİSLİĞİ BÖLÜMÜ ÖĞRENCİLERİ İÇİN ÇİFT ANADAL PROGRAMI**

	Code	Course Title	T	R	C	ECTS
1	ME 113	Computer Aided Engineering Drawing I	2	2	3	6
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	MATH 254	Introduction to Differential Equations	4	0	4	4
10	ME 303	Fluid Mechanics I	3	0	3	5
11	ME 307	Machine Elements I	3	0	3	5
12	ME 313	Heat Transfer	4	0	4	4
13	ME 301	Theory of Machines I	3	0	3	4
14	ME 304	Fluid Mechanics II	3	0	3	5
15	ME 302	Theory of Machines II	3	0	3	5
16	ME 308	Machine Elements II	3	0	3	5
17	ME 312	Experimentation and Measurement	3	2	4	5
18	MSE 225	Introduction to Materials Science	3	2	4	6
19	MSE 226	Engineering Materials	3	0	3	5
20	ECE 281	Electrical Circuits and Instrumentation + Laboratory	2	2	3	6
21	ME331	Numerical Methods for Mechanical Engineers	3	0	3	5
22	ECE 386	Introduction to Automatic Control	3	0	3	5
23	ME 407	Innovative Engineering Analysis and Design	1	4	3	4
24	ME 413	Mechanical Engineering Laboratory I	1	4	3	5
25	ME 431	System Dynamics	3	0	3	4
26	ME 408	Innovative Engineering Design and Implementation	2	4	4	7
27	ME 414	Mechanical Engineering Laboratory II	1	4	3	5
28	Elective	Restricted Elective I(*)	3	0	3	5
29	Elective	Restricted Elective II(**)	3	0	3	5
30	Elective	Restricted Elective III(**)	3	0	3	5
31	Elective	ME Technical Elective	3	0	3	5
32	ME 200	Summer Training I	0	0	0	5

<b>TOTAL COURSE/DERS SAYISI</b>	32
<b>TOTAL CREDIT/TOPLAM KREDİ</b>	99
<b>TOTAL ECTS/TOPLAM AKTS</b>	161

(\*) 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 (ME415 Design of Thermal System, ME430 Application of solar Energy, ME433 Fluid Machinery) and at least one course from Mechanical System Design Courses (ME403 Design of Composite Structures, ME416 Design of Mechanical Systems, ME417 Design of Mechanisms and Machines, ME422 Automated Material Handling and Storage Systems Mechanical Design, ME445 Computer Aided Design) to fulfill the thermal and mechanical systems design criteria.