

**BILGISAYAR MÜHENDİSLİĞİ ÖĞRENCİLERİ İÇİN ÇİFT ANADAL PROGRAMI**

#	Ders Kodu	Ders Adı	T	U	K	AKTS
1	CHEM 103	Chemistry I	3	2	4	5
2	CHEM 104	Chemistry II	3	2	4	6
3	ME 113	Computer Aided Engineering Drawing - I	2	2	3	6
4	MSE 201	Materials Science I	2	2	3	6
5	MSE 202	Materials Science II	2	2	3	6
6	MSE 203	Introduction to Thermodynamics	3	0	3	5
7	MSE 204	Thermodynamics and Phase Equilibria	4	0	4	6
8	ME 251	Statics and Strength of Materials	3	0	3	4
9	MSE 206	Materials Characterization I	2	4	4	6
10	MSE 301	Materials Processing I	3	0	3	5
11	MSE 303	Transport Phenomena	3	0	3	4
12	MSE 307	Materials Characterization II	3	2	4	6
13	MSE 309	Phase Diagrams	3	0	3	4
14	MSE 302	Materials Processing II	3	0	3	5
15	MSE 310	Kinetics and Microstructural Evolution	2	2	3	5
16	MSE 320	Mechanical Behavior of Materials	2	2	3	5

17	MSE 324	Casting and Solidification	3	0	3	4
18	MSE 401	Design in Materials Engineering	2	2	3	4
19	MSE 403	Phase transformations	3	0	3	4
20	MSE 406	Science and Tech. of Nanostructures	3	0	3	4
21	MSE 407	Innovative Engineering Analysis and Design	1	2	2	3
22	MSE 408	Innovative Engineering Design and Implementation	1	2	2	2
23	MSE 432	Corrosion and Degradation of Materials	3	0	3	5
24	ELEC1	Departmental Elective I	3	0	3	5
25	MSE 405	Int. Polymer Science and Technology	3	0	3	4
	MSE 318	Ceramic Materials	3	0	3	5
	MSE 402	Adv. Mat. Composites	3	0	3	4
26	MSE 300	Summer Internship	0	0	0	5
		Toplam	78			124 (+1)

**ELEKTRONİK VE HABERLEŞME MÜHENDİSLİĞİ ÖĞRENCİLERİ İÇİN ÇİFT ANADAL PROGRAMI**

#	Ders Kodu	Ders Adı	T	U	K	AKTS
1	CHEM 103	Chemistry I	3	2	4	5
2	CHEM 104	Chemistry II	3	2	4	6
3	ME 113	Computer Aided Engineering Drawing - I	2	2	3	6

4	MSE 201	Materials Science I	2	2	3	6
5	MSE 203	Introduction to Thermodynamics	3	0	3	5
6	MSE 204	Thermodynamics and Phase Equilibria	4	0	4	6
7	ME 251	Statics and Strength of Materials	3	0	3	4
8	MSE 206	Materials Characterization I	2	4	4	6
9	MSE 301	Materials Processing I	3	0	3	5
10	MSE 303	Transport Phenomena	3	0	3	4
11	MSE 307	Materials Characterization II	3	2	4	6
12	MSE 309	Phase Diagrams	3	0	3	4
13	MSE 302	Materials Processing II	3	0	3	5
14	MSE 310	Kinetics and Microstructural Evolution	2	2	3	5
15	MSE 320	Mechanical Behavior of Materials	2	2	3	5
16	MSE 324	Casting and Solidification	3	0	3	4
17	MSE 401	Design in Materials Engineering	2	2	3	4
18	MSE 403	Phase transformations	3	0	3	4
19	MSE 406	Science and Tech. of Nanostructures	3	0	3	4
20	MSE 407	Innovative Engineering Analysis and Design	1	2	2	3
21	MSE 408	Innovative Engineering Design and Implementation	1	2	2	2

22	MSE 432	Corrosion and Degradation of Materials	3	0	3	5
23	ELEC1	Departmental Elective I	3	0	3	5
24	MSE 405	Int. Polymer Science and Technology	3	0	3	4
	MSE 318	Ceramic Materials	3	0	3	5
	MSE 402	Adv. Mat. Composites	3	0	3	4
25	MSE 300	Summer Internship	0	0	0	5
		Toplam	75			118 (+1)

### **ENDÜSTRİ MÜHENDİSLİĞİ ÖĞRENCİLERİ İÇİN ÇİFT ANADAL PROGRAMI**

#	Ders Kodu	Ders Adı	T	U	K	AKTS
1	CHEM 103	Chemistry I	3	2	4	5
2	CHEM 104	Chemistry II	3	2	4	6
3	MSE 202	Materials Science II	2	2	3	6
4	MSE 204	Thermodynamics and Phase Equilibria	4	0	4	6
5	ME 251	Statics and Strength of Materials	3	0	3	4
6	MATH 258	Int. to Differential Equations	2	2	3	4
7	MSE 206	Materials Characterization I	2	4	4	6
8	MSE 301	Materials Processing I	3	0	3	5
9	MSE 303	Transport Phenomena	3	0	3	4

10	MSE 307	Materials Characterization II	3	2	4	6
11	MSE 309	Phase Diagrams	3	0	3	4
12	MSE 302	Materials Processing II	3	0	3	5
13	MSE 310	Kinetics and Microstructural Evolution	2	2	3	5
14	MSE 320	Mechanical Behavior of Materials	2	2	3	5
15	MSE 324	Casting and Solidification	3	0	3	4
16	MSE 401	Design in Materials Engineering	2	2	3	4
17	MSE 403	Phase transformations	3	0	3	4
18	MSE 406	Science and Tech. of Nanostructures	3	0	3	4
19	MSE 407	Innovative Engineering Analysis and Design	1	2	2	3
20	MSE 408	Innovative Engineering Design and Implementation	1	2	2	2
21	MSE 432	Corrosion and Degradation of Materials	3	0	3	5
22	ELEC1	Departmental Elective I	3	0	3	5
23	MSE 405	Int. Polymer Science and Technology	3	0	3	4
	MSE 318	Ceramic Materials	3	0	3	5
	MSE 402	Adv. Mat. Composites	3	0	3	4
24	MSE 300	Summer Internship	0	0	0	5
		Toplam	72			111 (+1)

**İNŞAAT MÜHENDİSLİĞİ ÖĞRENCİLERİ İÇİN ÇİFT ANADAL PROGRAMI**

#	Ders Kodu	Ders Adı	T	U	K	AKTS
1	CHEM 104	Chemistry II	3	2	4	6
2	MSE 202	Materials Science II	2	2	3	6
3	MSE 203	Introduction to Thermodynamics	3	0	3	5
4	MSE 204	Thermodynamics and Phase Equilibria	4	0	4	6
5	MSE 206	Materials Characterization I	2	4	4	6
6	MSE 301	Materials Processing I	3	0	3	5
7	MSE 303	Transport Phenomena	3	0	3	4
8	MSE 307	Materials Characterization II	3	2	4	6
9	MSE 309	Phase Diagrams	3	0	3	4
10	MSE 302	Materials Processing II	3	0	3	5
11	MSE 310	Kinetics and Microstructural Evolution	2	2	3	5
12	MSE 320	Mechanical Behavior of Materials	2	2	3	5
13	MSE 324	Casting and Solidification	3	0	3	4
14	MSE 401	Design in Materials Engineering	2	2	3	4
15	MSE 403	Phase transformations	3	0	3	4
16	MSE 406	Science and Tech. of Nanostructures	3	0	3	4

17	MSE 407	Innovative Engineering Analysis and Design	1	2	2	3
18	MSE 408	Innovative Engineering Design and Implementation	1	2	2	2
19	MSE 432	Corrosion and Degradation of Materials	3	0	3	5
20	ELEC1	Departmental Elective I	3	0	3	5
21	MSE 405	Int. Polymer Science and Technology	3	0	3	4
	MSE 318	Ceramic Materials	3	0	3	5
	MSE 402	Adv. Mat. Composites	3	0	3	4
22	MSE 300	Summer Internship	0	0	0	5
		Toplam	65			103 (+1)

### **MAKİNE MÜHENDİSLİĞİ ÖĞRENCİLERİ İÇİN ÇİFT ANADAL PROGRAMI**

#	Ders Kodu	Ders Adı	T	U	K	AKTS
1	CHEM 104	Chemistry II	3	2	4	6
2	MSE 204	Thermodynamics and Phase Equilibria	4	0	4	6
3	MSE 206	Materials Characterization I	2	4	4	6
4	MSE 301	Materials Processing I	3	0	3	5
5	MSE 307	Materials Characterization II	3	2	4	6
6	MSE 309	Phase Diagrams	3	0	3	4
7	MSE 302	Materials Processing II	3	0	3	5
8	MSE 310	Kinetics and Microstructural Evolution	2	2	3	5

9	MSE 320	Mechanical Behavior of Materials	2	2	3	5
10	MSE 324	Casting and Solidification	3	0	3	4
11	MSE 401	Design in Materials Engineering	2	2	3	4
12	MSE 403	Phase transformations	3	0	3	4
13	MSE 406	Science and Tech. of Nanostructures	3	0	3	4
14	MSE 407	Innovative Engineering Analysis and Design	1	2	2	3
15	MSE 408	Innovative Engineering Design and Implementation	1	2	2	2
16	MSE 432	Corrosion and Degradation of Materials	3	0	3	5
17	ELEC1	Departmental Elective I	3	0	3	5
18	MSE 405	Int. Polymer Science and Technology	3	0	3	4
	MSE 318	Ceramic Materials	3	0	3	5
	MSE 402	Adv. Mat. Composites	3	0	3	4
19	MSE 300	Summer Internship	0	0	0	5
		Toplam	56			88 ( +1 )