

ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ LİSANS PROGRAMI'NDA ÇAP YAPACAK MOLEKÜLER BİYOLOJİ VE GENETİK BÖLÜMÜ LİSANS PROGRAMI ÖĞRENCİLERİ İÇİN DERS PLANI

ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ LİSANS PROGRAMI DERS PLANI			MOLEKÜLER BİYOLOJİ VE GENETİK BÖLÜMÜ LİSANS PROGRAMI DERS PLANINDAKİ EŞDEĞER DERSLER			ÇAP ÖĞRENCİSİNİN ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ LİSANS PROGRAMI DERS PLANINDAN ALMAK ZORUNDA OLDUĞU DERSLER		
1. YARIYIL			1. YARIYIL			1. YARIYIL		
DERS KODU	DERS ADI	AKTS	DERS KODU	DERS ADI	AKTS	DERS KODU	DERS ADI	AKTS
IE1001	Introduction to Computing	6	MBG3004	Bilgisayara Giriş I	4			
IE1601	Engineering Graphics	5	MBG4004	Bilgisayara Giriş II	4			
IE1801	Engineering Orientation	2				IE1601	Engineering Graphics	5
MCB1001	Calculus I	5	MBG1006	Matematik I	4	IE1801	Engineering Orientation	2
			MBG2006	Matematik II	4			
PHY1001	Physics I	5	MBG1005	Fizik I	4			
ATA1001	Principles of Atatürk and History of Revolution I	2	ATA1001	Atatürk İlkeleri ve İnkılap Tarihi I	2			
TR1001	Turkish I	2	TR1001	Türkçe I	2			
YDI1001	Foreign Language I	3	YDI1001	Yabancı Dil I	3			
2. YARIYIL			2. YARIYIL			2. YARIYIL		
DERS KODU	DERS ADI	AKTS	DERS KODU	DERS ADI	AKTS	DERS KODU	DERS ADI	AKTS
IE2002	Introduction to Programming	5				IE2002	Introduction to Programming	5
IE2401	Introduction to Industrial Engineering	3				IE2401	Introduction to Industrial Engineering	3
IE2602	General Chemistry	5	MBG1003	Genel Kimya I	5			
			MBG2004	Genel Kimya II Laboratuvarı	2			
MCB1002	Calculus II	5				MCB1002	Calculus II	5
PHY2001	Physics II	5	MBG2005	Fizik II	4			
ATA2001	Principles of Atatürk and History of Revolution II	2	ATA2001	Atatürk İlkeleri ve İnkılap Tarihi II	2			
TR2001	Turkish II	2	TR2001	Türkçe II	2			
YDI2001	Foreign Language II	3	YDI2001	Yabancı Dil II	3			
3. YARIYIL			3. YARIYIL			3. YARIYIL		
DERS KODU	DERS ADI	AKTS	DERS KODU	DERS ADI	AKTS	DERS KODU	DERS ADI	AKTS
IE3003	Object Oriented Programming	5				IE3003	Object Oriented Programming	5
IE3101	Introduction to Probability	6				IE3101	Introduction to Probability	6
IE3501	Economics	4				IE3501	Economics	4
IE3502	Financial and Cost Accounting	4				IE3502	Financial and Cost Accounting	4
IE3603	Materials Science	4				IE3603	Materials Science	4
MCB1004	Linear Algebra	5				MCB1004	Linear Algebra	5
	Elective (minimum 2 AKTS)	2		Seçmeli Alan Dışı	2			
4. YARIYIL			4. YARIYIL			4. YARIYIL		
DERS KODU	DERS ADI	AKTS	DERS KODU	DERS ADI	AKTS	DERS KODU	DERS ADI	AKTS
IE4004	Numerical Analysis for Industrial Engineers	5				IE4004	Numerical Analysis for Industrial Engineers	5
IE4102	Statistics for Engineers	6				IE4102	Statistics for Engineers	6
IE4201	Operations Research I	7				IE4201	Operations Research I	7
IE4503	Engineering Economics	6				IE4503	Engineering Economics	6
	Departmental Elective (minimum 4 AKTS)	4					Departmental Elective (minimum 4 AKTS)	4
	Elective (minimum 2 AKTS)	2		Seçmeli Alan Dışı	2			
5. YARIYIL			5. YARIYIL			5. YARIYIL		
DERS KODU	DERS ADI	AKTS	DERS KODU	DERS ADI	AKTS	DERS KODU	DERS ADI	AKTS
IE5202	Operations Research II	7				IE5202	Operations Research II	7
IE5403	Facilities Design and Planning	7				IE5403	Facilities Design and Planning	7
IE5802	Industrial Training I	3				IE5802	Industrial Training I	3
	Departmental Elective (minimum 13 AKTS)	13					Departmental Elective (minimum 13 AKTS)	13
6. YARIYIL			6. YARIYIL			6. YARIYIL		
DERS KODU	DERS ADI	AKTS	DERS KODU	DERS ADI	AKTS	DERS KODU	DERS ADI	AKTS
IE6103	Design of Experiments	6				IE6103	Design of Experiments	6
IE6404	Production Planning and Control	7				IE6404	Production Planning and Control	7
	Departmental Elective (minimum 17 AKTS)	17					Departmental Elective (minimum 17 AKTS)	17
7. YARIYIL			7. YARIYIL			7. YARIYIL		
DERS KODU	DERS ADI	AKTS	DERS KODU	DERS ADI	AKTS	DERS KODU	DERS ADI	AKTS
IE7203	Simulation Modelling	6				IE7203	Simulation Modelling	6
IE7405	Supply Chain Management	5				IE7405	Supply Chain Management	5
IE7803	Industrial Training II	3				IE7803	Industrial Training II	3
	Departmental Elective (minimum 16 AKTS)	16					Departmental Elective (minimum 16 AKTS)	16
8. YARIYIL			8. YARIYIL			8. YARIYIL		
DERS KODU	DERS ADI	AKTS	DERS KODU	DERS ADI	AKTS	DERS KODU	DERS ADI	AKTS
IE8406	Quality Engineering	5				IE8406	Quality Engineering	5
IE8900	Graduation Project	8				IE8900	Graduation Project	8
	Departmental Elective (minimum 17 AKTS)	17					Departmental Elective (minimum 17 AKTS)	17
TOPLAM		240	TOPLAM			TOPLAM		196
SEÇİMLİK ALAN DERSLERİ (SA)			SEÇİMLİK ALAN DERSLERİ (SA)			DİKKAT: ÇAP öğrencisinin ikinci anadal ders planından alması gereken derslerin AKTS toplamı en az 60 olmalıdır.		
DERS KODU	DERS ADI	AKTS	DERS KODU	DERS ADI	AKTS			
IE0005	Introduction to Fuzzy Modelling	4						
IE0006	Data Structures and Programming	5						
IE0104	Introduction to Data Mining	4						
IE0204	Case Studies in Mathematical Modelling	4						
IE0205	Introduction to Decision Analysis	4						
IE0301	System Analysis	4						
IE0302	Enterprise Resource Planning	5						
IE0303	Management Information Systems	4						
IE0402	Ergonomics	5						
IE0407	Work Study	5						
IE0408	Scheduling Applications in Manufacturing and Services	4						
IE0409	Project Management	4						
IE0410	Quality Planning and Analysis	4						
IE0504	Strategic Management	4						
IE0505	Marketing Management	4						
IE0506	Introduction to Business Management	3						
IE0507	Organizational Behaviour and Human Resources	3						
IE0508	Labor Law	3						
IE0604	Computer Integrated Manufacturing Systems	5						
IE0605	Advanced Manufacturing Systems	5						
IE0606	Manufacturing Techniques	4						
IE0607	Industrial Applications of Nanotechnology	4						
IE0608	Introduction to Renewable Energy	4						
IE0701	Academic Writing and Presentation Skills	3						