

BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ İNGİLİZCE PROGRAMINDA ÇAP YAPACAK İNŞAAT MÜHENDİSLİĞİ BÖLÜMÜ TÜRKÇE PROGRAMI ÖĞRENCİLERİ İÇİN DERS PLANI

BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ İNGİLİZCE PROGRAMI DERS PLANI			İNŞAAT MÜHENDİSLİĞİ BÖLÜMÜ TÜRKÇE PROGRAMI DERS PLANINDAKİ EŞDEĞER DERSLER			ÇAP ÖĞRENCİSİNİN BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ İNGİLİZCE 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
CSE1001	Programming I	8				CSE1001	Programming I	8
CSE1003	Introduction to Computer Engineering	5				CSE1003	Introduction to Computer Engineering	5
MCB1001	Calculus I	5	MBT1001	Matematik I	5			
PHY1001	Physics I	5	FZT1001	Fizik I	5			
ATA1001	Principles of Ataturk and History of Reforms I	2	ATA1001	Atatürk İlkeleri ve İnkılap Tarihi I	2			
TR1001	Türkisch I	2	TR1001	Türkçe I	2			
YD1001	Foreign Language I	3	YD1001	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
CSE2002	Programming II	8				CSE2002	Programming II	8
CSE0191	Chemistry	5	INS1001	Genel Kimya	5			
MCB1002	Calculus II	5	MBT1002	Matematik II	5			
PHY2001	Physics II	5	FZT2001	Fizik II	5			
ATA2001	Principles of Ataturk and History of Reforms II	2	ATA2001	Atatürk İlkeleri ve İnkılap Tarihi II	2			
TR2001	Türkisch II	2	TR2001	Türkçe II	2			
YD2001	Foreign Language II	3	YD2001	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
CSE3003	Object Oriented Programming	8				CSE3003	Object Oriented Programming	8
CSE3021	Digital Design I	6				CSE3021	Digital Design I	6
MCB1004	Linear Algebra	5	MBT1004	Lineer Cebir	5			
CSE3013	Discrete Structures	6				CSE3013	Discrete Structures	5
CSE3209	Academic Writing (English)	3	INS0808	Teknik Rapor Yazma ve Sunum Teknikleri	4			
	Non-Technical Elective	2		Seçimlik Alan Dışı Ders	2			
4. YARIYIL			4. YARIYIL			4. YARIYIL		
DERS KODU	DERS ADI	AKTS	DERS KODU	DERS ADI	AKTS	DERS KODU	DERS ADI	AKTS
CSE4014	Data Structures and Algorithms I	8				CSE4014	Data Structures and Algorithms I	8
CSE4061	System Analysis and HCI Design	5				CSE4061	System Analysis and HCI Design	5
CSE4050	Signals & Systems for Computer Engineers	5				CSE4050	Signals & Systems for Computer Engineers	5
CSE4023	Computer Organization	5				CSE4023	Computer Organization	5
CSE4024	Microprocessors	5				CSE4024	Microprocessors	5
	Non-Technical Elective	2		Seçimlik Alan Dışı Ders	2			
5. YARIYIL			5. YARIYIL			5. YARIYIL		
DERS KODU	DERS ADI	AKTS	DERS KODU	DERS ADI	AKTS	DERS KODU	DERS ADI	AKTS
CSE5031	Operating Systems	5				CSE5031	Operating Systems	5
CSE5041	Database Design and Development	6				CSE5041	Database Design and Development	6
	Technical Elective*	6					Technical Elective*	6
MCB1007	Introduction to Probability and Statistics	5	MBT1007	Olasılık ve İstatistige Giriş	5			
CSE5050	Web Programming	6				CSE5050	Web Programming	6
CSE5094	Internship I	2				CSE5094	Internship I	2
6. YARIYIL			6. YARIYIL			6. YARIYIL		
DERS KODU	DERS ADI	AKTS	DERS KODU	DERS ADI	AKTS	DERS KODU	DERS ADI	AKTS
	Technical Electives*	12					Technical Electives*	12
CSE6032	Computer Networks	7				CSE6032	Computer Networks	7
CSE6064	Software Engineering	6				CSE6064	Software Engineering	6
MCB1008	Numerical Methods	5	MBT1008	Nümerik Yöntemler	5			
7. YARIYIL			7. YARIYIL			7. YARIYIL		
DERS KODU	DERS ADI	AKTS	DERS KODU	DERS ADI	AKTS	DERS KODU	DERS ADI	AKTS
	Technical Electives*	24					Technical Electives*	24
CSE7311	Presentation Skills (English)	2				CSE7311	Presentation Skills (English)	2
CSE7098	Engineering Economics	2	INS0807	Mühendislik Ekonomisi	4			
CSE7095	Internship II	2				CSE7095	Internship II	2
8. YARIYIL			8. YARIYIL			8. YARIYIL		
DERS KODU	DERS ADI	AKTS	DERS KODU	DERS ADI	AKTS	DERS KODU	DERS ADI	AKTS
CSE8090	Graduate Project	12				CSE8090	Graduate Project	12
	Technical Electives*	18					Technical Electives*	18
	TOPLAM	240		TOPLAM	66		TOPLAM	176
SEÇİMLİK ALAN DERSLERİ (SA)			EŞDEĞER SEÇİMLİK ALAN DERSLERİ			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			
CSE4043	Graphical User Interface Design and Development	6						
CSE4044	Game Programming	6						
CSE4045	Programming Languages	6						
CSE4046	Mobile Programming	6						
CSE40415	Data Structures and Algorithms II	6						
CSE40416	Analysis of Algorithms	6						
CSE40420	Embedded Systems	6						
CSE40421	Cryptography	6						
CSE40422	Digital Design II	6						
CSE40425	Parallel and Distributed Programming	6						
CSE40426	Robotics	6						
CSE40427	Computer Architecture	6						
CSE40433	Mobile and Wireless Networks	6						
CSE40434	Network Security	6						
CSE40435	Control Theory	6						
CSE40440	Artificial Intelligence	6						
CSE40442	Data Warehouses and Data Mining	6						
CSE40443	Machine Learning	6						
CSE40444	IT Project Management	6	INS0521	İnşaat Sektöründe Proje Yönetimi	4			
CSE40451	Image Processing	6						
CSE40452	Computer Graphics	6						
CSE40453	Multimedia Compression and Processing	6						
CSE40462	Software Development with Standards	6						
CSE40463	Software Quality & Testing	6						
CSE40495	Engineering Ethics & Law	6						
CSE40496	Graph Theory & Social Networking	6						
CSE40497	Service Science Management & Engineering	6						
CSE40499	Special Topics in Computer Engineering	6						
EE3202	Logic Design	6						
EE4401	Introduction to Telecommunications	6						
MCB1005	Differential Equations	5	MBT1005	Diferansiyel Denklemler	5			
MCB1003	Calculus III	5	MBT1003	Matematik III	5			
IE4201	Operations Research I	7	INS0826	Yöneylem Araştırması	4			
IE0607	Industrial Applications of Nanotechnology	4	INS0805	İnşaat Mühendisliğinde Nanoteknoloji Uygulamaları	4			
IE0608	Introduction to Renewable Energy	4						
IE7203	Simulation and Modeling	6						
	TOPLAM	22		TOPLAM	22			
<p align="center">Öğretim dili Türkçe olan programlardan Bilgisayar Mühendisliği Bölümü İngilizce Programına çift anadal başvurusu için öğrencilerden en az 75 TOEFL ya da 6 IELTS ya da 80 YDS (KPDS-ÜDS) puanı almaları istenilecektir.</p>								