

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

BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ İNGİLİZCE PROGRAMI DERS PLANI			ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ İNGİLİZCE 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	IE2002	Introduction to Programming	5			
CSE1003	Introduction to Computer Engineering	5				CSE1003	Introduction to Computer Engineering	5
MCB1001	Calculus I	5	MCB1001	Calculus I	5			
PHY1001	Physics I	5	PHY1001	Physics I	5			
ATA1001	Principles of Ataturk and History of Reforms I	2	ATA1001	Principles of Ataturk and History of Reforms I	2			
TR1001	Turkish I	2	TR1001	Turkish I	2			
YDI1001	Foreign Language I	3	YDI1001	Foreign Language 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	IE2602	General Chemistry	5			
MCB1002	Calculus II	5	MCB1002	Calculus II	5			
PHY2001	Physics II	5	PHY2001	Physics II	5			
ATA2001	Principles of Ataturk and History of Reforms II	2	ATA2001	Principles of Ataturk and History of Reforms II	2			
TR2001	Turkish II	2	TR2001	Turkish II	2			
YDI2001	Foreign Language II	3	YDI2001	Foreign Language 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	MCB1004	Linear Algebra	5			
CSE3013	Discrete Structures	6				CSE3013	Discrete Structures	5
CSE3209	Academic Writing (English)	3				CSE3209	Academic Writing (English)	4
	Non-Technical Elective	2		Humanities/Social Sciences Elective	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		Humanities/Social Sciences Elective	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	IE3101	Introduction to Probability	6			
CSE0500	Web Programming	6				CSE0500	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	IE4004	Numerical Analysis for Industrial Engineers	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	IE4503	Engineering Economics	6			
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		70	TOPLAM		172
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			
CSE0403	Graphical User Interface Design and Development	6						
CSE0404	Game Programming	6						
CSE0405	Programming Languages	6						
CSE0406	Mobile Programming	6						
CSE0415	Data Structures and Algorithms II	6						
CSE0416	Analysis of Algorithms	6						
CSE0420	Embedded Systems	6						
CSE0421	Cryptography	6						
CSE0422	Digital Design II	6						
CSE0425	Parallel and Distributed Programming	6						
CSE0426	Robotics	6						
CSE0427	Computer Architecture	6						
CSE0433	Mobile and Wireless Networks	6						
CSE0434	Network Security	6						
CSE0435	Control Theory	6						
CSE0440	Artificial Intelligence	6						
CSE0442	Data Warehouses and Data Mining	6	IE0104	Introduction to Data Mining	4			
CSE0443	Machine Learning	6						
CSE0444	IT Project Management	6	IE0409	Project Management	4			
CSE0451	Image Processing	6						
CSE0452	Computer Graphics	6						
CSE0453	Multimedia Compression and Processing	6						
CSE0462	Software Development with Standards	6						
CSE0463	Software Quality & Testing	6						
CSE0495	Engineering Ethics & Law	6	IE0508	Labor Law	3			
CSE0496	Graph Theory & Social Networking	6						
CSE0497	Service Science Management & Engineering	6						
CSE0499	Special Topics in Computer Engineering	6						
EE3202	Logic Design	6						
EE4401	Introduction to Telecommunications	6						
MCB1005	Differential Equations	5	MCB1005	Differential Equations	5			
MCB1003	Calculus III	5	MCB1003	Calculus III	7			
IE4201	Operations Research I	7	IE4201	Operations Research I	7			
IE0607	Industrial Applications of Nanotechnology	4	IE0607	Industrial Applications of Nanotechnology	4			
IE0608	Introduction to Renewable Energy	4	IE0608	Introduction to Renewable Energy	4			
IE7203	Simulation and Modeling	6	IE7203	Simulation and Modeling	6			
TOPLAM		44	TOPLAM		44			

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.