

ANADAL MATEMATİK BÖLÜMÜ											
ÇİFT ANADAL BİLGİSAYAR MÜHENDİSLİĞİ											
YARIYIL	ÖNŞART	BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜNDEN ALACAĞI DERSLER				MATEMATİK BÖLÜMÜNDE ALINDIĞINDA MUAFİYET VERİLECEK DERSLER					
		KODU	ADI	KREDİ Teori+Uyg	AKTS	MUAF/ALACAK	KODU	ADI	KREDİ Teori+Uyg	AKTS	
1. YARIYIL		CME 1203	INTRODUCTION TO COMPUTER ENGINEERING	2+2	4	ALACAK					
		CME 1205	DISCRETE COMPUTATIONAL STRUCTURES	3+0	5	*	*MAT 3060	Discrete and Combinatorial Mathematics	4+0	7	
		CME 1211	ALGORITHMS AND PROGRAMMING I	2+2	5	MUAF	CSC 2201	Algorithms and Programming	2+2	5	
		CME 1251	PROJECT BASED LEARNING I	2+2	4	ALACAK					
		KPD 1001	CAREER PLANNING	1+0	2	MUAF	KPD 1001	Career Planning	1+0	2	
		MAT 1001	CALCULUS I	4+0	5	MUAF	MAT 1031	Calculus I	4+2	9	
		PHY 1101	PHYSICS I	3+2	5	MUAF	PHY 1101	Principles of Physics	4+0	6	
2. YARIYIL		CME 1206	TECHNICAL ENGLISH	2+0	3	ALACAK					
		CME 1212	ALGORITHMS AND PROGRAMMING II	2+2	7	ALACAK					
		CME 1214	LOGIC DESIGN	2+2	6	ALACAK					
		CME 1252	PROJECT BASED LEARNING II	2+2	4	ALACAK					
		MAT 1002	CALCULUS II	4+0	5	MUAF	MAT 1032	Calculus II	4+2	9	
3. YARIYIL		CME1212	CME 2201	DATA STRUCTURES	2+2	7	ALACAK				
			CME 2203	INTRODUCTION TO CIRCUITS AND ELECTRONICS	3+2	7	ALACAK				
			CME 2205	PROBABILITY AND STATISTICS	2+2	4	*	*MAT 3058	Probability	4+0	7
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								*STA 4201	Statistical Methods	4+0	7
			CME 2207	DIFFERENTIAL EQUATIONS AND LINEAR ALGEBRA	4+0	5	MUAF	MAT 2037	Linear Algebra I	4+0	7
								MAT 2039	Differential Equations I	4+0	7
			TDL 1001	TÜRK DİLİ I	2+0	2	MUAF	TDL 1001	Türk Dili I	2+0	2
			BDE / GSM / GSM 1003	Beden Eğitimi / Halk Oyunları / Müzik	2+0	2	MUAF	BDE / GSH / GSM / GSR 1003	Beden Eğitimi / Halk Oyunları / Müzik / Resim	2+0	2
				<b>ENGINEERING SOCIAL ELECTIVE (ESE)</b>	2+0	3	ALACAK				
				<b>SOCIAL ELECTIVE COURSES</b>							
			GÇD 1001	Volunteerism Studies	1+2	4					
			IHD 1002	Human Rights	2+0	4					
			ESE 2013	ENGINEERING ETHICS	2+0	3					
			ESE 2015	FRENCH FOR ENGINEERS	2+0	3					
			ESE 2037	ENGINEERING ECONOMICS	2+0	3	*	*MAT 4038	Principles of Economics	4+0	7
			ESE 2059	DISASTERS ADMINISTRATION	2+0	3					
			ESE 2065	CAREER PLANNING AND DEVELOPMENT	2+0	3					
			ESE 2067	BUSINESS MANAGEMENT AND MANAGEMENT	2+0	3					
			ESE 2069	PERSONAL STYLE AND IMAGE MANAGEMENT	2+0	3					
			ESE 2014	EFFECTIVE COMMUNICATION IN ENGINEERING	2+0	3					
			ESE 2016	ENVIRONMENTAL POLLUTION & ITS CONTROL	2+0	3					
			ESE 2024	NATURE, ENVIRONMENT AND URBANIZATION	2+0	3					
			ESE 2050	INTELLECTUAL PROPERTY RIGHTS	2+0	3					
			ESE 2060	BASIC JAPANESE	2+0	3					
			ESE 2066	OCCUPATIONAL HEALTH DISEASES IN ENGINEERING	2+0	3					
			ESE 2070	CLIMATE CHANGE AND SUSTAINABLE MANAGEMENT	2+0	3					
4. YARIYIL		CME 2202	DATA ORGANIZATION AND MANAGEMENT	3+2	6	ALACAK					
	CME1212	CME 2204	ALGORITHM ANALYSIS	2+2	6	ALACAK					
		CME 2206	COMPUTER ARCHITECTURE	3+2	6	ALACAK					
		CME 2208	NUMERICAL ANALYSIS	3+0	4	MUAF	MAT 3059	Numerical Analysis I	4+0	7	
		CME 2210	OBJECT ORIENTED ANALYSIS AND DESIGN	2+2	6	*	*CSC 3202	Object Oriented Programming	4+0	7	
		TDL 1002	TÜRK DİLİ II	2+0	2	MUAF	TDL 1002	Türk Dili II	2+0	2	

5. YARIYIL		CME 3201	DATABASE MANAGEMENT SYSTEMS	2+2	6	*	*CSC 4202	Computer Programming for Data Management	4+0	7	
	CME1205	CME 3203	THEORY OF COMPUTATION	2+2	6	ALACAK					
	CME2206	CME 3205	OPERATING SYSTEMS	2+2	6	ALACAK					
		CME 3207	SIGNALS AND SYSTEMS FOR COMPUTER ENGINEERING	2+2	6	ALACAK					
		ATA 1001	ATATÜRK İLKELERİ VE İNKILAP TARİHİ I	2+0	2	MUAF	ATA 1001	Atatürk İlkeleri ve İnkılap Tarihi I	2+0	2	
			<b>ENGINEERING TECHNICAL ELECTIVE (ETE)</b>	2+0	4	ALACAK					
			<b>TECHNICAL ELECTIVE COURSES</b>								
			ETE 3003	INTRODUCTION TO NANOTECHNOLOGY	2+0	4					
			ETE 3007	FUNDAMENTALS OF ROBOTICS	2+0	4	*	*MAT 4076	Mathematical Fundamentals of Robotics	4+0	7
			ETE 3014	GIS FOR ENGINEERS	2+0	4					
			ETE 3017	PHYSICAL MODELS	2+0	4					
			ETE 3006	BIOMEDICAL SYSTEMS	2+0	4					
			ETE 3018	MODERN ENGINEERING MATHEMATICS	2+0	4	*	*MAT 4013	Applied Mathematics I	4+0	7
			ETE 3025	PROJECT MANAGEMENT	2+0	4					
			ETE 3029	QUALITY MANAGEMENT	2+0	4					
			ETE 3031	NAVIGATION ENGINEERING	2+0	4					
			ETE 3032	PERFORMANCE MEASUREMENT IN BUSINESSES	2+0	4					
			ETE 3034	FINANCIAL MANAGEMENT FOR ENGINEERS	2+0	4					
			ETE 3042	TEST, CONTROL AND CALIBRATION IN MEDICAL DEVICES	3+2	6					
			MTH 3501	BASIC CYBER SECURITY	2+0	4					
		MTH 3502	INFORMATION NETWORKS	2+0	4						
		MTH 3503	INTRODUCTION TO QUANTUM COMPUTING	2+0	4						
		MTH 3504	PHASE ARRAY RADAR TECHNOLOGIES	2+0	4						
		MTH 3505	WIRELESS POWER TRANSFER SYSTEMS	2+0	4						
		MTH 3506	PARDUS AND LIBREOFFICE EDUCATION	2+0	4						
		MTH 3507	SYSTEM ENGINEERING	2+0	4						
		MTH 3510	NANOCARBON MATERIALS AND THEIR APPLICATIONS	2+0	4						
6. YARIYIL	CME1212	CME 3202	CONCEPTS OF PROGRAMMING LANGUAGES	2+2	6	ALACAK					
		CME 3204	DATA COMMUNICATIONS AND COMPUTER NETWORKS	3+1	6	ALACAK					
		CME 3206	SOFTWARE ENGINEERING	3+2	7	ALACAK					
	CME3205	CME 3208	PRINCIPLES OF EMBEDDED SYSTEMS	2+2	6	ALACAK					
			<b>ENGINEERING SOCIAL ELECTIVE (ESE)</b>	2+0	3	ALACAK					
	ATA 1002	ATATÜRK İLKELERİ VE İNKILAP TARİHİ II	2+0	2	MUAF	ATA 1002	Atatürk İlkeleri ve İnkılap Tarihi II	2+0	2		
7. YARIYIL		CME 4203	COMPUTER ENGINEERING DESIGN	0+2	4	ALACAK					
		CME 4293	SUMMER TRAINING I	0+0	6	ALACAK					
		ISG 4001	İŞ SAĞLIĞI VE GÜVENLİĞİ I	2+0	2	ALACAK					
		CME44xx	Elective		6	ALACAK					
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		CME44xx	Elective		6	ALACAK					
			<b>ELECTIVE COURSES</b>								
		CME 4403	INTRODUCTION TO MACHINE LEARNING	2+2	6	*	*MAT 4077 veya *MAT 4078	Mathematics for Machine Learning I Mathematics for Machine Learning II	4+0 4+0	7 7	
	CME2201	CME 4405	PARALLEL COMPUTING	2+2	6						
		CME 4407	COMPUTER GAME DESIGN AND PROGRAMMING	2+2	6						
		CME 4409	COMPUTER GRAPHICS	2+2	6	*	*MAT 4035	Math. Methods In Comp. Aided Geom. Design	4+0	7	
		CME 4411	SOFTWARE PROJECT MANAGEMENT	3+0	6						
	CME 3201	CME 4413	TOPICS IN DATABASES	2+2	6						
	CME 3201	CME 4415	DISTRIBUTED DATABASES	2+2	6						
		CME 4417	SIMULATION AND MODELING	2+2	6						
		CME 4419	HUMAN COMPUTER INTERACTION	2+2	6						
	CME 3205	CME 4421	SYSTEMS PROGRAMMING	2+2	6						
	CME 3205	CME 4423	MOBILE DEVICES AND APPLICATIONS	2+2	6						
		CME 4425	INTRODUCTION TO BIOINFORMATICS ALGORITHMS	2+2	6						
	CME 2201	CME 4428	iOS PROGRAMMING	2+2	6						
		CME 4453	QUALITY OF SERVICE ADVANCEMENTS IN IP NETWORKS	3+0	6						
		CME 4455	FUNDAMENTALS OF NETWORK DESIGN	2+2	6						
		CME 4459	MICROPROCESSORS	3+0	6						
	CME 4461	NETWORK SECURITY	3+0	6							
	CME 4463	DRONE TECHNOLOGY	3+0	6							



**Dokuz Eylül Üniversitesi**  
**Mühendislik Fakültesi**  
**Bilgisayar Mühendisliği Bölümü**

**Yandal Öğretim Planı**

**Anadal : Tüm Mühendislik Bölümleri ve Matematik Bölümü**

**Yandal : Bilgisayar Mühendisliği Bölümü**

**29/07/2021 (22/09/2023: Matematik eklendi)**

Önşart	Kodu	Dersin Adı	T	U	AKTS
Birinci Sınıf * 2.Yarıyıl ( Bahar Yarıyılı )					
	CME1212	Algorithms and Programming II	2	2	7
	CME1214	Logic Design	2	2	6
İkinci Sınıf * 3.Yarıyıl ( Güz Yarıyılı )					
CME1212	CME2201	Data Structures	2	2	7
	CME2203	Intro. To Circuits and Electronics	3	2	7
İkinci Sınıf * 4.Yarıyıl ( Bahar Yarıyılı )					
	CME2202	Data Organization & Management	3	2	6
CME1212	CME2204	Algorithm Analysis	2	2	6
	CME2206	Computer Architecture	3	2	6
Üçüncü Sınıf * 5.Yarıyıl ( Güz Yarıyılı )					
	CME3201	Database Management Systems	2	2	6
	CME3203	Theory of Computation	2	2	6
CME2206	CME3205	Operating Systems	2	2	6
Üçüncü Sınıf * 6.Yarıyıl ( Bahar Yarıyılı )					
CME1212	CME3202	Concepts of Programming Languages	2	2	6
	CME3204	Data Communications and Computer Networks	3	1	6
	CME3206	Software Engineering	3	2	7
<b>Toplam Kredi</b>			<b>31</b>	<b>12,5</b>	<b>82</b>