

GRADUATE SCHOOL OF NATURAL & APPLIED SCIENCES					
COMPUTER ENGINEERING GRADUATE PROGRAM WITH THESIS					
Course Code	Course Name	T	A	C	ECTS
CMPE 541	Advanced Databases	3	0	3	5
CMPE 538	Advanced Computer Networks	3	0	3	5
MDES 600	Research Methodology and Communication Skills	3	0	3	5
	Technical Elective Course	3	0	3	5
	Technical Elective Course	3	0	3	5
	Technical Elective Course	3	0	3	5
	Technical Elective Course	3	0	3	5
CMPE 589	Graduation Seminar	0	0	0	5
CMPE 597	Master's Thesis	0	0	0	80
				21	120

FEN BİLİMLERİ ENSTİTÜSÜ					
BİLGİSAYAR MÜHENDİSLİĞİ ABD					
BİLGİSAYAR MÜHENDİSLİĞİ YÜKSEK LİSANS (TEZLİ) PROGRAMI					
Ders Kodu	Ders Adı	T	U	K	AKTS
CMPE 541	İleri Veritabanları	3	0	3	5
CMPE 538	İleri Bilgisayar Ağları	3	0	3	5
MDES 600	Araştırma Metodları ve İletişim Becerileri	3	0	3	5
	Seçmeli Ders	3	0	3	5
	Seçmeli Ders	3	0	3	5
	Seçmeli Ders	3	0	3	5
	Seçmeli Ders	3	0	3	5
CMPE 589	Mezuniyet Semineri	0	0	0	5
CMPE 597	Yüksek Lisans Tezi	0	0	0	80
				21	120

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	Technical Elective Course	3	0	3	5
	Technical Elective Course	3	0	3	5
	Technical Elective Course	3	0	3	5
CMPE 500	Graduation Project	0	0	0	40
				30	90

FEN BİLİMLERİ ENSTİTÜSÜ					
BİLGİSAYAR MÜHENDİSLİĞİ ABD					
BİLGİSAYAR MÜHENDİSLİĞİ YÜKSEK LİSANS (TEZSİZ) PROGRAMI					
Ders Kodu	Ders Adı	T	U	K	AKTS
CMPE 541	İleri Veritabanları	3	0	3	5
CMPE 538	İleri Bilgisayar Ağları	3	0	3	5
MDES 600	Araştırma Metodları ve İletişim Becerileri	3	0	3	5
	Seçmeli Ders	3	0	3	5
	Seçmeli Ders	3	0	3	5
	Seçmeli Ders	3	0	3	5
	Seçmeli Ders	3	0	3	5
	Seçmeli Ders	3	0	3	5
	Seçmeli Ders	3	0	3	5
CMPE 500	Mezuniyet Projesi	0	0	0	40
				30	90

BİLİMSEL HAZIRLIK DERS LİSTESİ

Code	Name of the Course	T	A	C	ECTS
CMPE725	Fundamentals of Object-Oriented Programming	3	0	3	5
CMPE726	Object-Oriented Data Structures	3	0	3	5
CMPE741	Database Design and Management	3	0	3	5
CMPE734	Computer Networks	3	0	3	5

SEÇMELİ DERSLER

Code	Name of the Course	T	A	C	ECTS
CMPE524	Advanced Algorithms	3	0	3	5
CMPE525	Object-Oriented Design and Programming	3	0	3	5
CMPE533	Computer and Network Security	3	0	3	5
CMPE535	Cyber Security	3	0	3	5
CMPE536	Advanced Network Programming	3	0	3	5
CMPE537	Distributed Computing	3	0	3	5
CMPE543	Big Data Analytics	3	0	3	5
CMPE563	Information Retrieval	3	0	3	5
CMPE566	Advanced Data Mining	3	0	3	5
CMPE571	Biometric Identification and Verification Systems	3	0	3	5
CMPE578	Penetration Testing	3	0	3	5
CMPE579	Current Trends in Internetworking Technologies	3	0	3	5
CMPE521	Advanced Multimedia Systems	3	0	3	5
CMPE531	Advanced Operating Systems	3	0	3	5
CMPE532	Advanced Computer Architecture	3	0	3	5
CMPE562	Multiagent Systems	3	0	3	5
CMPE564	Natural Computing	3	0	3	5
CMPE565	Machine Learning	3	0	3	5
CMPE567	Semantic Web Programming	3	0	3	5
CMPE568	Advanced Artificial Intelligence	3	0	3	5
CMPE575	Parallel and Cluster Computing	3	0	3	5
SE552	Advanced Software Project Management	3	0	3	5
SE564	Service Oriented Architecture and Business Process Management	3	0	3	5
ISE513	Systems Integration	3	0	3	5
ISE514	Cloud Computing	3	0	3	5
CMPE524	Advanced Algorithms	3	0	3	5
CMPE525	Object-Oriented Design and Programming	3	0	3	5
CMPE533	Computer and Network Security	3	0	3	5
CMPE535	Cyber Security	3	0	3	5
CMPE536	Advanced Network Programming	3	0	3	5
CMPE537	Distributed Computing	3	0	3	5
CMPE543	Big Data Analytics	3	0	3	5
CMPE563	Information Retrieval	3	0	3	5
CMPE566	Advanced Data Mining	3	0	3	5

CMPE571	Biometric Identification and Verification Systems	3	0	3	5
CMPE578	Penetration Testing	3	0	3	5
CMPE579	Current Trends in Internetworking Technologies	3	0	3	5
CMPE521	Advanced Multimedia Systems	3	0	3	5
CMPE531	Advanced Operating Systems	3	0	3	5
CMPE532	Advanced Computer Architecture	3	0	3	5
CMPE562	Multiagent Systems	3	0	3	5
CMPE564	Natural Computing	3	0	3	5
CMPE565	Machine Learning	3	0	3	5
CMPE567	Semantic Web Programming	3	0	3	5
CMPE568	Advanced Artificial Intelligence	3	0	3	5
CMPE575	Parallel and Cluster Computing	3	0	3	5
SE552	Advanced Software Project Management	3	0	3	5
SE564	Service Oriented Architecture and Business Process Management	3	0	3	5
ISE513	Systems Integration	3	0	3	5
ISE514	Cloud Computing	3	0	3	5