

MUĞLA SITKI KOÇMAN ÜNİVERSİTESİ								
MÜHENDİSLİK FAKÜLTESİ								
BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ								
EĞİTİM - ÖĞRETİM PROGRAMI								
DERSİN KODU	SINIF	Y.Y.	DERSİN ADI	T	U	L	AKTS	TÜRÜ
PHYS 1851	1	1	General Physics I	3	0	2	6	Z
MATH 1851	1	1	Calculus I	4	2	0	6	Z
ENG 1803	1	1	Academic Writing and Oral Presentation Skills I	1	2	0	2	Z
ISG 1801	1	1	Occupational Health and Safety I	2	0	0	2	Z
CENG 1007	1	1	Introduction to Computer Science	3	0	0	6	Z
CENG 1009	1	1	Programming Fundamentals	3	2	0	8	Z
			<b>TOPLAM</b>				<b>30</b>	
PHYS 1852	1	2	General Physics II	3	0	2	6	Z
MATH 1852	1	2	Calculus II	4	2	0	6	Z
ISG 1802	1	2	Occupational Health and Safety II	2	0	0	2	Z
CENG 1008	1	2	Social and Professional Issues in Computer Science	2	0	0	4	Z
CENG 1004	1	2	Introduction to Object Oriented Programming	3	2	0	6	Z
MATH 1856	1	2	Basic Linear Algebra for Engineers	3	0	0	6	Z
			<b>TOPLAM</b>				<b>30</b>	
MATH 2855	2	3	Differential Equations	3	0	0	6	Z
CENG 2001	2	3	Data Structures and Algorithms	3	0	0	6	Z
CENG 2005	2	3	Discrete Computational Structures	3	0	0	6	Z
CENG 2007	2	3	Digital Logic Design	3	0	0	6	Z
CHEM 2801	2	3	General Chemistry	3	2	0	6	Z
			<b>TOPLAM</b>				<b>30</b>	
CENG 2010	2	4	Programming Language Concepts	3	0	0	6	Z
CENG 2012	2	4	Statistics and Probability for Engineers	3	0	0	6	Z
CENG 2032	2	4	Computer Organization	3	0	0	5	Z
CENG 2034	2	4	Operating Systems	3	0	0	5	Z
CENG 2014	2	4	Design and Analysis of Algorithms	3	0	0	5	Z
	2	4	Free Elective (BDS)				3	S
			<b>TOPLAM</b>				<b>30</b>	
CENG 3005	3	5	Database Management Systems	3	0	0	5	Z
CENG 3007	3	5	Computer Networks	3	0	0	5	Z
CENG 3009	3	5	Summer Practice I	0	0	0	1	Z
TDB 3801	3	5	Turkish I	2	0	0	2	Z
TDBY 3801	3	5	Turkish Language I	2	0	0	2	Z
ATB 3801	3	5	Principles Of Kemal Ataturk I	2	0	0	2	Z
ATBY 3801	3	5	Principles Of Kemal Ataturk I	2	0	0	2	Z
	3	5	Free Elective (BİS / BDS)				3	S
	3	5	Technical Elective (2) (BİS)				12	S
			<b>TOPLAM</b>				<b>30</b>	
CENG 3507	3	5	Web Development and Programming	3	2	0	6	S
CENG 3511	3	5	Artificial Intelligence	3	0	0	6	S
CENG 3521	3	5	Data Mining	3	0	0	6	S
CENG 3545	3	5	Mobile Application Development	3	2	0	6	S
CENG 3547	3	5	Introduction to Computer Graphics	3	0	0	6	S
			<b>TOPLAM</b>				<b>30</b>	
CENG 3004	3	6	Software Engineering	3	0	0	6	Z
CENG 3006	3	6	Introduction to Embedded Systems	3	0	0	6	Z
ATB 3802	3	6	Principles Of Kemal Ataturk II	2	0	0	2	Z

ATBY 3804	3	6	Principles Of Kemal Ataturk II	2	0	0	2	Z
ENG 3802	3	6	Academic Writing and Oral Presentation Skills II	1	2	0	2	Z
TDB 3802	3	6	Turkish II	2	0	0	2	Z
TDBY 3802	3	6	Turkish Language II	2	0	0	2	Z
			<i>Technical Elective (2) (BİS)</i>				12	S
			<b>TOPLAM</b>				<b>30</b>	
CENG 3502	3	6	Dynamic Web Programming	4	0	0	6	S
CENG 3512	3	6	Evolutionary Computation	3	0	0	6	S
CENG 3522	3	6	Applied Machine Learning	3	0	0	6	S
CENG 3526	3	6	Natural Language Processing	3	2	0	6	S
CENG 3544	3	6	Computer and Network Security	3	2	0	6	S
CENG 3516	3	6	Statistical Computing	3	0	0	6	S
CENG 3548	3	6	Web Mining	3	0	0	6	S
CENG 3530	3	6	Information Retrieval Systems	3	0	0	6	S
CENG 3554	3	6	Fundamentals of Game Programming	3	0	0	6	S
CENG 3550	3	6	Decentralized Systems and Applications	3	0	0	6	S
CENG 3552	3	6	Network Programming	3	0	0	6	S
CENG 4013	4	7	Summer Practice II	0	0	0	1	Z
CENG 4005	4	7	Formal Languages and Abstract Machines	3	0	0	6	Z
CENG 4011	4	7	Senior Design Project I	2	0	0	3	Z
	4	7	<i>Free Elective (BİS / BDS)</i>				8	S
	4	7	<i>Technical Elective (BİS)</i>				12	S
			<b>TOPLAM</b>				<b>30</b>	
CENG 4501	4	7	Software Design Patterns	3	0	0	6	S
CENG 4511	4	7	Operations Research	3	0	0	6	S
CENG 4513	4	7	Modeling and Simulation	3	0	0	6	S
CENG 4515	4	7	Data Science and Analytics	3	0	0	6	S
CENG 4525	4	7	Introduction to Bioinformatics	3	0	0	6	S
CENG 4535	4	7	Distributed Computing	3	0	0	6	S
CENG 4541	4	7	Advanced Computer Networks	3	0	0	6	S
CENG 4012	4	8	Senior Design Project II	2	0	0	6	Z
	4	8	<i>Free Elective (BİS / BDS)</i>				12	S
	4	8	<i>Technical Elective (BİS)</i>				12	S
			<b>TOPLAM</b>				<b>30</b>	
CENG 4502	4	8	Software Validation, Verification and Testing	3	0	0	6	S
CENG 4524	4	8	Fundamental Image Processing Techniques	3	0	0	6	S

Minimum ECTS Credit for Graduation / Mezuniyet için alınması gereken minimum AKTS		240
Required Course ECTS / Zorunlu Dersler AKTS	Common Required / Ortak Zorunlu	58
	Departmental Required / Bölüm Kodlu Zorunlu	108
Elective Courses ECTS / Seçimli Dersler AKTS	Technical Elective / BİS	48 (*)
	Free Elective / BİS veya BDS	26 (**)

(\*) Mezuniyet için gereken 240 AKTS kredisinin, 48 AKTS kredisi Technical Elective (BİS) derslerinden toplanmalıdır.

(\*\*) Müfredatta 26 AKTS olarak görünen Free Elective derslerin en az 9 AKTS'lik kısmı bölüm dışından alınmalıdır. Geriye kalan 17 AKTS'lik kısmı ise BİS veya BDS olarak alınabilir.

### **Açıklama**

(\*\*\*) Mezuniyet şartı için seçmeli derslerin sadece toplam kredi miktarı esastır. Müfredatta belirtilen dönemlerde ve dönem başına kredi miktarlarında alınmaları (alttan dersler, değişim programları vb. sebeplerle) gerekmemektedir.

(\*\*\*\*) CENG 3009 Summer Practice I ve CENG 4013 Summer Practice II derslerinin Bahar yarıyılında da açılması uygundur. Öğrenciler IV. dönemden sonra en az 20 iş günü ve VI. dönemden sonra en az 20 iş günü olmak üzere toplam olarak en az 40 iş günü tamamlayacak şekilde iki staj yapmak zorundadır. Her bir staj (1 AKTS) Başarılı / Başarısız şeklinde değerlendirilecektir.

İmza  
Bölüm Başkanı