



1.Yarıyıl Ders Planı				
Ders Kodu	Ders Adı	T+U+L	Zorunlu/Seçmeli	AKTS
CENL160	Introduction to Computer Eng.	3+0+0	Zorunlu	3
CENL161	Algorithms and Programming-I	2+2+0	Zorunlu	6
MBBL002	Calculus-I	4+2+0	Zorunlu	7
MBBL018	Physics-I	4+2+0	Zorunlu	7
ORTL102	Introduction to Higher Education and Career Planning	1+0+0	Zorunlu	1
ORTL172	Turkish Language-I	2+0+0	Zorunlu	2
YDLL323	Academic English-I	4+0+0	Zorunlu	4
Toplam AKTS				30

2.Yarıyıl Ders Planı				
Ders Kodu	Ders Adı	T+U+L	Zorunlu/Seçmeli	AKTS
CENL162	Algorithms and Programming-II	2+2+0	Zorunlu	6
MBBL004	Calculus-II	4+2+0	Zorunlu	7
MBBL008	Linear Algebra and its Applications	2+2+0	Zorunlu	4
MBBL020	Physics-II	4+2+0	Zorunlu	7
ORTL272	Turkish Language-II	2+0+0	Zorunlu	2
YDLL324	Academic English-II	4+0+0	Zorunlu	4
Toplam AKTS				30

3.Yarıyıl Ders Planı				
Ders Kodu	Ders Adı	T+U+L	Zorunlu/Seçmeli	AKTS
CENL201	Data Structures	2+2+0	Zorunlu	4
CENL203	Object Oriented Programming	2+2+0	Zorunlu	4
EENL206	Electronics I	2+2+0	Zorunlu	4
MBBL014	Discrete Mathematics	2+2+0	Zorunlu	4
MBBL016	Differential Equations	2+2+0	Zorunlu	6
MBBL209	Probability and Statistics	2+2+0	Zorunlu	6
ORTL162	Principles of Atatürk and History of Reforms-I	2+0+0	Zorunlu	2
Toplam AKTS				30

4.Yarıyıl Ders Planı				
Ders Kodu	Ders Adı	T+U+L	Zorunlu/Seçmeli	AKTS
BMML220	General Biology	3+0+0	Zorunlu	4
CENL210	Software Engineering	3+0+0	Zorunlu	3
CENL260	Computer Organization	3+0+0	Zorunlu	4
EENL202	Introduction to Digital Design and Lab.	3+2+0	Zorunlu	5
EENL210	Signals and Systems	2+2+0	Zorunlu	4
MBBL010	Numerical Analysis and Its Applications	2+2+0	Zorunlu	5
MBBL221	Quantum Physics	3+0+0	Zorunlu	3
ORTL262	Principles of Atatürk and History of Reforms-II	2+0+0	Zorunlu	2
Toplam AKTS				30

5.Yarıyıl Ders Planı				
Ders Kodu	Ders Adı	T+U+L	Zorunlu/Seçmeli	AKTS
CENL301	Data Communications and Computer Networks	2+2+0	Zorunlu	6
CENL303	Database Management Systems	2+2+0	Zorunlu	6
CENL361	Operating Systems	3+0+0	Zorunlu	5
EENL311	Microprocessors and Lab.	3+2+0	Zorunlu	5
ORTL302	Competency Development	1+0+0	Zorunlu	1
ORTL364	Critical Thinking, Creativity and Entrepreneurship	2+0+0	Zorunlu	2
Sec5.1	5.YY Technical Elective Course-I	-	Zorunlu	5
Toplam AKTS				30

BLML468	Gerçek Zamanlı Sistemler	3+0+0	Seçmeli	5
BLML475	Yazılım Mühendisliği	3+0+0	Seçmeli	5
CENL310	Natural Language Processing	3+0+0	Seçmeli	5
CENL405	Computer Network and Security	3+0+0	Seçmeli	5
CENL407	Machine Learning	3+0+0	Seçmeli	5
CENL411	Software Requirement Analysis	3+0+0	Seçmeli	5
CENL417	Software Quality Assurance and Testting	3+0+0	Seçmeli	5
CENL419	Advanced Database Systems	3+0+0	Seçmeli	5
CENL420	Applied Informatics	3+0+0	Seçmeli	5

EENL361	Digital Signal Processing and Lab.	3+0+0	Seçmeli	5
EENL364	Image Processing and Lab.	3+0+0	Seçmeli	5
EENL401	Deep Learning and Classification Techniques	3+0+0	Seçmeli	5
EENL409	Robotics	3+0+0	Seçmeli	5
EENL415	Embedded Systems	3+0+0	Seçmeli	5

#### 6.Yarıyıl Ders Planı

Ders Kodu	Ders Adı	T+U+L	Zorunlu/Seçmeli	AKTS
CENL302	System Programming	2+2+0	Zorunlu	5
CENL304	Visual Based Programming	3+0+0	Zorunlu	4
CENL316	Computer Graphics	3+0+0	Zorunlu	3
CENL362	Web Programming	2+2+0	Zorunlu	5
CENL376	System Analysis and Design	3+0+0	Zorunlu	4
ORTL362	Environmental Protection, Occupational Health and Safety	2+0+0	Zorunlu	2
ORTL368	Professional Responsibilities and Ethics	2+0+0	Zorunlu	2
Sec6.2	6.YY Technical Elective Course-II	-	Zorunlu	5

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CENL312	Wireless Communications	3+0+0	Seçmeli	5
CENL405	Computer Network and Security	3+0+0	Seçmeli	5
CENL408	Artificial Intelligence	3+0+0	Seçmeli	5
CENL415	Agile Software Development	3+0+0	Seçmeli	5
CENL417	Software Quality Assurance and Testting	3+0+0	Seçmeli	5
EENL312	Microcontroller Applications	2+2+0	Seçmeli	5
EENL318	Communications Theory-II	3+0+0	Seçmeli	5
EENL364	Image Processing and Lab.	3+0+0	Seçmeli	5

#### 7.Yarıyıl Ders Planı

Ders Kodu	Ders Adı	T+U+L	Zorunlu/Seçmeli	AKTS
CENL403	Formal Languages and Automata	3+0+0	Zorunlu	5
CENL467	Data Mining	3+0+0	Zorunlu	3
MMFL400	Interdisciplinary Project	2+0+0	Zorunlu	4
Sec7.3	7.YY Technical Elective Course-IV	-	Zorunlu	5
Sec7.4	7.YY Technical Elective Course-V	-	Zorunlu	5
Sec7.5	7.YY Technical Elective Course-III	-	Zorunlu	5
Sec7.6	University Elective-I	-	Zorunlu	3

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CENL310	Natural Language Processing	3+0+0	Seçmeli	5
CENL402	Neural Network	3+0+0	Seçmeli	5
CENL405	Computer Network and Security	3+0+0	Seçmeli	5
CENL407	Machine Learning	3+0+0	Seçmeli	5
CENL411	Software Requirement Analysis	3+0+0	Seçmeli	5
CENL413	Advanced Object Oriented Programming	3+0+0	Zorunlu	5
CENL420	Applied Informatics	3+0+0	Seçmeli	5
CENL461	Special Project in Computer Engineering	3+0+0	Seçmeli	5
EENL364	Image Processing and Lab.	3+0+0	Seçmeli	5
EENL401	Deep Learning and Classification Techniques	3+0+0	Seçmeli	5
EENL409	Robotics	3+0+0	Seçmeli	5
EENL415	Embedded Systems	3+0+0	Seçmeli	5
ORTL462	Project Mangement	1+0+0	Seçmeli	1
ORTL464	Data Literacy	1+0+0	Seçmeli	1
ORTL468	Leadership and Teamwork	1+0+0	Seçmeli	1
ORTL470	CS50X Kodluyoruz (ING)	1+0+0	Seçmeli	1
ÜSDL108	Biotechnology	2+0+0	Seçmeli	3
ÜSDL175	Global Economy	2+0+0	Seçmeli	3
ÜSDL179	World of Genes	2+0+0	Seçmeli	3

#### 8.Yarıyıl Ders Planı

Ders Kodu	Ders Adı	T+U+L	Zorunlu/Seçmeli	AKTS
BUSL264	Labour Law and Social Security	3+0+0	Zorunlu	4
CENL400	Professional Training	0+8+0	Zorunlu	10
CENL462	Graduation Project	0+4+0	Zorunlu	12
Sec8.2	University Elective-II	-	Zorunlu	3
21yd8.1	21.YY Yetkinlik Dersleri	-	Zorunlu	1

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ORTL462	Project Mangement	1+0+0	Seçmeli	1
ORTL464	Data Literacy	1+0+0	Seçmeli	1
ORTL468	Leadership and Teamwork	1+0+0	Seçmeli	1

ORTL470	CS50X Kodluyoruz (ING)	1+0+0	Seçmeli	1
ÜSDL108	Biotechnology	2+0+0	Seçmeli	3
ÜSDL175	Global Economy	2+0+0	Seçmeli	3
ÜSDL179	World of Genes	2+0+0	Seçmeli	3
ÜSDL187	Gender, Discourse and Semiotics	2+0+0	Seçmeli	3

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