

KARADENİZ TECHNICAL UNIVERSITY
FACULTY OF ENGINEERING
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
UNDERGRADUATE COURSE CURICULUM (100% ENGLISH)

1 st Year								1 st Year							
Fall Term - 1 st Semester								Spring Term - 2 nd Semester							
Code	Course Name	ECTS	C	H	A	L	Prerequest	Code	Course Name	ECTS	C	H	A	L	Prerequest
YDI1001	English - I	3	3,0	3	0	0		YDI1002	English - II	3	3,0	3	0	0	
MATH1001	Mathematics - I	5	4,0	4	0	0		MATH1000	Mathematics - II	5	4,0	4	0	0	
PHYS1001	Physics - I	5	3,5	3	0	1		PHYS1000	Physics - II	5	3,5	3	0	1	
CHM1001	Basic Chemistry	5	3,5	3	0	1		EEE1000	Computer Programming	4	3,5	3	0	1	
EEE1003	Introduction to Electrical and Electronics Engineering	2	2,0	2	0	0		EEE1002	Measurements in Electrical Engineering	4	3,0	2	0	2	EEE1005
EEE1005	Fundamentals of Electrical Engineering	6	4,0	3	0	2		EEE1004	Materials in Electrical Engineering	4	2,0	2	0	0	
EEE1001	Introduction to Computers	4	3,0	3	0	0		EEE1006	Digital Design	5	3,5	3	0	1	EEE1001
Total		30	23,0	21	0	4		Total		30	22,5	20	0	5	

2 nd Year								2 nd Year							
Fall Term - 3 rd Semester								Spring Term - 4 th Semester							
Code	Course Name	ECTS	C	H	A	L	Prerequest	Code	Course Name	ECTS	C	H	A	L	Prerequest
EEE2005	English in Engineering	2	2,0	2	0	0		EEE2000	Engineering Mathematics	3	3,0	3	0	0	
MATH2001	Differential Equations	5	4,0	4	0	0		EEE2008	Electronics - I	5	4,0	3	0	2	EEE1005
EEE2011	Probability Theory	4	3,0	3	0	0		EEE2014	Power Systems	3	3,0	3	0	0	
EEE2???	Microprocessors	5	3,5	3	0	1		EEE2006	Circuits - II	5	4,0	3	0	2	EEE2009
EEE2???	Electromagnetic Fields	3	3,0	3	0	0		EEE2016	Electromagnetic Waves	3	3,0	3	0	0	
EEE2009	Circuits - I	3	3,0	3	0	0	EEE1005	EEE2???	Numerical Analysis	3	3,0	3	0	0	
TURK2001	Turkish Language - I	2	2,0	2	0	0		TURK2000	Turkish Language - II	2	2,0	2	0	0	
HIST2001	Turkish Revolution and Ataturk's Principles - I	2	2,0	2	0	0		HIST2002	History of Revolution and Ataturk's Principles - II	2	2,0	2	0	0	
	Social Elective - S31	4	2,0	2	0	0			Social Elective - S41	4	2,0	2	0	0	
Total		30	24,5	24	0	1		Total		30	26,0	24	0	4	

3 rd Year								3 rd Year							
Fall Term - 5 th Semester								Spring Term - 6 th Semester							
Code	Course Name	ECTS	C	H	A	L	Prerequest	Code	Course Name	ECTS	C	H	A	L	Prerequest
EEE3003	System Dynamics and Control	4	3,0	3	0	0		EEE3018	Power Distribution Systems	6	4,0	3	0	2	EEE2014
EEE3013	Signals and Systems	4	3,0	3	0	0		EEE3024	High Voltage Techniques	5	3,0	3	0	0	
EEE3009	Electronics - II	5	4,0	3	0	2	EEE2008	EEE3008	Digital Signal Processing	6	4,0	3	0	2	
EEE3019	Electrical Machines- I	5	4,0	3	0	2		EEE3016	Communication Techniques	6	4,0	3	0	2	
EEE3021	Power Electronic Circuits	5	4,0	3	0	2		EEE2012	Work Safety and Health	2	2,0	2	0	0	
EEE3023	Entrepreneurship	3	2,0	2	0	0			Technical Elective - T61	5	4,0	3	0	2	
	Technical Elective - T51	4	3,0	3	0	0		Total		30	21,0	17	0	8	

4 th Year								4 th Year							
Fall Term - 7 th Semester								Spring Term - 8 th Semester							
Code	Course Name	ECTS	C	H	A	L	Prerequest	Code	Course Name	ECTS	C	H	A	L	Prerequest
EEE4017	Professional Training - I	3	0,0	0	0	0		EEE4010	Professional Training - II	3	0,0	0	0	0	
EEE4019	Engineering Design	7	3,0	2	2	0		EEE4012	Graduation Project	8	3,0	2	2	0	EEE4019
	Technical Elective - T71	6	3,0	2	0	2			Technical Elective - T81	5	3,0	2	0	0	
	Technical Elective - T71	6	3,0	2	0	2			Technical Elective - T81	5	2,0	2	0	0	
	Technical Elective - T72	4	2,0	2	0	0			Technical Elective - T81	5	2,0	2	0	0	
	Technical Elective - T72	4	2,0	2	0	0			Social Elective - S81	4	2,0	2	0	0	
Total		30	13,0	10	2	4		Total		30	12,0	10	2	0	0

	ECTS	C	H	A	L
Turuncu kodların güncellenmesi gerekiyor					
Overall Total	240	165,0	146,0	4,0	32,0

16 Ağustos 2019 Cuma günü yapılan Bölüm Akademik Kurulu kararları ekdir.

KARADENİZ TECHNICAL UNIVERSITY
FACULTY OF ENGINEERING
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

UNDERGRADUATE COURSE CURICULUM ELECTIVE COURSES (100% ENGLISH)

3 rd Semester - SOCIAL ELECTIVE GROUP S31						
Öğrenciler bu gruptan 1 ders seçecektir.						
Code	Course Name	ECTS	C	H	A	L
EEE2013	Engineering Economics	4	2,0	2	0	0
USEC0007	Protection of Personal data	4	2,0	2	0	0
EEE2???	Engineering Softwares	4	2,0	2	0	0

4 th Semester - SOCIAL ELECTIVE GROUP S41						
Öğrenciler bu gruptan 1 ders seçecektir.						
Code	Course Name	ECTS	C	H	A	L
USEC0003	Occupational Ethics	4	2,0	2	0	0
EEE2???	Technological Developments	4	2,0	2	0	0
EEE2???	Project Management	4	2,0	2	0	0

5 th Semester - TECHNICAL ELECTIVE GROUP T51						
Öğrenciler bu gruptan 1 ders seçecektir.						
Code	Course Name	ECTS	C	H	A	L
EEE3015	Computer Communication	4	3,0	3	0	0
EEE3017	Network Synthesis	4	3,0	3	0	0
EEE3???	Embedded Systems	5	4,0	3	0	2

6 th Semester - TECHNICAL ELECTIVE GROUP T61						
Öğrenciler bu gruptan 1 ders seçecektir.						
Code	Course Name	ECTS	C	H	A	L
EEE3010	Automatic Control Systems	5	4,0	3	0	2
EEE3020	Microwave Techniques	5	4,0	3	0	2

7 th Semester - TECHNICAL ELECTIVE GROUP T71						
Öğrenciler bu gruptan 2 ders seçecektir.						
Code	Course Name	ECTS	C	H	A	L
EEE4005	Renewable Energy Systems	6	3	2	0	2
EEE4009	Power System Protection	6	3	2	0	2
EEE4015	Process Control	6	3	2	0	2
EEE4003	Power Electronic Applications	6	3	2	0	2
EEE4023	Antennas and Propagation	6	3	2	0	2
EEE4007	Medical Electronics	6	3	2	0	2
EEE4021	Digital Communication	6	3	2	0	2
EEE4???	Industrial Electronics	6	3,0	2	0	2

8 th Semester - TECHNICAL ELECTIVE GROUP T81						
Öğrenciler bu gruptan 3 ders seçecektir.						
Code	Course Name	ECTS	C	H	A	L
EEE4008	Power System Analysis	6	2	2	0	0
EEE4004	Drive Systems	6	2	2	0	0
EEE4009	Electrical machines - II	6	2	2	0	0
EEE4014	Power System Design	6	2	2	0	0
EEE4016	Electrical Vehicles	6	2	2	0	0
EEE4028	Electromagnetic Compatibility	6	2	2	0	0
EEE4024	Fiberoptic Communication	6	2	2	0	0
EEE4026	Communication Systems	6	2	2	0	0
EEE4020	Digital Control Systems	6	2	2	0	0
EEE4022	Intelligent Control Systems	6	2	2	0	0
EEE4030	Mobile Communication	6	2	2	0	0
EEE4002	Medical Imaging Techniques	6	2	2	0	0
EEE4???	Electrochemical Biosensors	6	2	2	0	0

7 th Semester - TECHNICAL ELECTIVE GROUP T72						
Öğrenciler bu gruptan 2 ders seçecektir.						
Code	Course Name	ECTS	C	H	A	L
EEE4025	Lighting Techniques	4	2	2	0	0
EEE4027	Special Electric Machines	4	2	2	0	0
EEE4029	Distributed Generation Systems	4	2	2	0	0
EEE4031	Communication Electronics	4	2	2	0	0
EEE4033	Image Processing	4	2	2	0	0
ELK4012	Microwave Systems	4	2	2	0	0
EEE4006	Electronic Device Techniques	4	3	2	0	0
EEE4???	Introduction to Biomedical Optics	4	3	2	0	0

8 th Semester - SOCIAL ELECTIVE GROUP S81						
Öğrenciler bu gruptan 1 ders seçecektir.						
Code	Course Name	ECTS	C	H	A	L
LAV4000	Business law	4	2,0	2	0	0
OPE4032	Management and organization	4	2,0	2	0	0
LAV4002	Information Crime Law	4	2,0	2	0	0
LAV4004	Expertise Law and its Application	4	2,0	2	0	0

Turuncu kodların güncellenmesi gerekiyor

5 Mayıs 2020 Salı yapılan Bölüm Akademik Kurulu kararları ekidir.