

ANTALYA BİLİM UNIVERSITY
FACULTY OF ENGINEERING
ELECTRICAL AND ELECTRONICS ENGINEERING DEPARTMENT
2020-2021 ACADEMIC YEAR CURRICULUM

FRESHMAN											
1 Fall Semester		Theory	Practice	Lab	Credit	ECTS	Type	Year	Compulsory/Elective	Corequisite	Prerequisite
CS 101	Introduction to Programming I	3	0	2	4	6	TM	1	C		
ENEN 101	English for Engineers I	4	0	0	4	4	ITB	1	C		
MATH 101	Mathematics I	4	2	0	5	6	TB	1	C		
PHYS 101	Physics I	3	0	0	3	4	TB	1	C	PHYS 101L	
PHYS 101L	Physics I- Laboratory	0	0	2	1	2	TB	1	C	PHYS 101	
CHEM 101	General Chemistry	3	2	0	4	6	TB	1	C		
TURK 101	Turkish Language I	2	0	0	2	2	ITB	1	C		
TOTAL		19	4	4	23	30					
2 Spring Semester		Theory	Practice	Lab	Credit	ECTS	Type	Year	Compulsory/Elective	Corequisite	Prerequisite
CS 104	Introduction to Programming in Python II	3	0	2	4	6	TM	1	C		CS 101
EE 112	Introduction to Electrical and Electronics Engineering	2	0	0	2	1	TM	1	C		
ENEN 102	English for Engineers II	4	0	0	4	4	ITB	1	C		ENEN 101
MATH 102	Mathematics II	4	2	0	5	6	TB	1	C		MATH 101
PHYS 102	Physics II	3	0	0	3	4	TB	1	C	PHYS 102L	
PHYS 102L	Physics II- Laboratory	0	0	2	1	2	TB	1	C	PHYS 102	
MATH 201	Linear Algebra	4	0	0	4	5	TB	1	C		
TURK 102	Turkish Language II	2	0	0	2	2	ITB	1	C		
TOTAL		22	2	4	25	30					
COURSES		# OF COURSES	CREDIT		ECTS						
CORE COURSES		1	3		2						
GENERAL COURSES		15	45		58						
AREA ELECTIVES		0	0		0						
NON-AREA ELECTIVES		0	0		0						
FRESHMAN TOTAL		16	48		60						
SOPHOMORE											
3 Fall Semester		Theory	Practice	Lab	Credit	ECTS	Type	Year	Compulsory/Elective	Corequisite	Prerequisite
EE 211	Electromagnetic Field Theory	3	1	0	4	6	TM	2	C		Having a passing grade in PHYS 102 Physics II or have a pass grade of at least B+ in both PHYS 101 Physics 101 and MATH 101 Mathematics I
EE 221	Digital Systems	3	0	0	4	4	TM	2	C	EE 221L	
EE221L	Digital Systems Laboratory	0	0	2	1	2	TM	2	C	EE 221	
EE 201	Circuit Theory I	3	1	0	4	5	TM	2	C	EE 201L	Having a passing grade in PHYS 102 Physics II or have a pass grade of at least B+ in both PHYS 101 Physics 101 and MATH 101 Mathematics I
EE 201L	Circuit Theory I Laboratory	0	0	2	1	2	TM	2	C	EE 201	
HIST 101	Atatürk İlkeleri ve İnkılap Tarihi I	2	0	0	2	2	ITB	2	C		
GEN 200	Engineering Economics	3	0	0	3	4	TM	2	C		
MATH 202	Differential Equations	4	0	0	4	5	TB	2	C		MATH 102
TOTAL		18	2	4	23	30					
4 Spring Semester		Theory	Practice	Lab	Credit	ECTS	Type	Year	Compulsory/Elective	Corequisite	Prerequisite
EE 202	Circuit Theory II	3	1	0	4	5	TM	2	C	EE202L	EE 201
EE 202L	Circuit Theory II Laboratory	0	0	2	1	2	TM	2	C	EE 202	
EE 242	Modern Physics for Engineers	3	0	0	3	6	TB	2	C		PHYS 102
NAE 202	Non-Area Elective I	3	0	0	3	5	ITB	2	E		
EE 212	Electromagnetic Wave Theory	3	1	0	4	6	TM	2	C		EE 211
HIST 102	Atatürk İlkeleri ve İnkılap Tarihi II	2	0	0	2	2	ITB	2	C		HIST 101
BIO 102	Biology	3	0	0	3	4	TB	2	C		
TOTAL		17	2	2	20	30					
COURSES		# OF COURSES	CREDIT		ECTS						
CORE COURSES		9	26		38						
GENERAL COURSES		5	15		18						
AREA ELECTIVES		0	0		0						
NON-AREA ELECTIVES		1	3		4						
SOPHOMORE TOTAL		15	44		60						

JUNIOR																		
5 Fall Semester						Theory	Practice	Lab	Credit	ECTS	Type	Year	Compulsory/Elective	Corequisite	Prerequisite			
EE 311	Probability and Statistics for Engineers					3	0	0	3	5	TB	2	C					
EE 301	Semi-Conductor Device Principles					4	0	0	4	7	TB	3	C		EE211, EE242			
EE331	Signals and Systems					3	1	0	4	7	TM	3	C			MATH 102		
AE301	Area Elective I					3	0	0	3	6	TM	3	E					
EE291	Summer Internship I					0	0	0	0	0	MT	3	C					
MATH 300	Numerical Analysis for Engineers					4	0	0	4	5	TM	3	C			MATH 101, MATH201		
TOTAL						17	1	0	18	30								
6 Spring Semester						Theory	Practice	Lab	Credit	ECTS	Type	Year	Compulsory/Elective	Corequisite	Prerequisite			
EE 302	Analog Electronics					3	1	0	4	4	TM	3	C		EE302L	EE 201, EE 301		
EE 302L	Analog Electronics Laboratory					0	0	2	1	2	TM	3	C		EE302			
EE 332	Introduction to Telecommunications					4	0	0	4	6	TM	3	C			EE 331, EE 311		
EE 342	Introduction to Control Engineering					4	0	0	4	6	TM	3	C			MATH 202, EE 331		
AE 302	Area Elective II					3	0	0	3	6	TM	3	E					
EE 352	Energy Conversion					3	0	0	3	6	TM	3	C			EE 202, EE 211		
TOTAL						17	1	2	19	30								
COURSES		# OF COURSES				CREDIT			ECTS									
CORE COURSES		8				24			38									
GENERAL COURSES		2				7			10									
AREA ELECTIVES		2				6			12									
NON-AREA ELECTIVES		0				0			0									
JUNIOR TOTAL		12				37			60									
SENIOR																		
7 Fall Semester						Theory	Practice	Lab	Credit	ECTS	Type	Year	Compulsory/Elective	Corequisite	Prerequisite			
EE 441	Microcontrollers					3	0	2	4	6	TM	4	C			CS 101, CS 102, EE 221		
EAE 401	Department Elective I					3	0	0	3	6	MT	4	E					
EAE 403	Department Elective II					3	0	0	3	6	MT	4	E					
EE 391	Summer Internship II					0	0	0	0	0	MT	4	C					
ENEN 401	Technical Writing and Presentation					3	0	0	3	3	ITB	4	C					
GEN 401	Worker's	Worker's	Worker's	Worker's	Worker's	2	0	0	2	2	ITB	4	C					
EE 491	Final Year Project I					2	0	0	2	2	MT	4	C			Passing grade in at least six courses among EE 202, EE 212, EE 331, EE 301, EE 342, EE302, EE332, EE 352.		
NAE 401	Non-Area Elective II					3	0	0	3	5	ITB	4	E					
TOTAL						19	0	2	20	30								
8 Spring Semester						Theory	Practice	Lab	Credit	ECTS	Type	Year	Compulsory/Elective	Corequisite	Prerequisite			
EAE 402	Area Elective III					3	0	0	3	6	MT	4	E					
NAE 402	Non-Area Elective III					3	0	0	3	4	ITB	4	E					
AE 402	Area Elective III					3	0	0	3	4	TM	4	E					
EAE 404	Department Elective IV					3	0	0	3	6	MT	4	E					
GEN 402	Worker's Health and Work Safety II					2	0	0	2	2	ITB	4	C			GEN 401		
EE 492	Final Year Project II					1	4	0	3	6	MT	4	C			EE 491		
GEN 404	Innovation and Entrepreneurship					2	0	0	2	2	ITB	4	C					
TOTAL						17	4	0	19	30								
COURSES		# OF COURSES				CREDIT			ECTS									
CORE COURSES		4				9			14									
GENERAL COURSES		4				9			9									
AREA ELECTIVES		5				15			28									
NON-AREA ELECTIVES		2				6			9									
SENIOR TOTAL		15				39			60									
NUMBER OF COURSES TAKEN AND TOTAL CREDIT		COURSES				CREDIT			ECTS									
		58				168			240									

Form No ÜY-FR-0900 Yayın Tarihi 22.09.2020 Değ. No 0 Değ. Tarihi-