

ANTALYA BİLİM UNIVERSITY
FACULTY OF ENGINEERING
ELECTRICAL AND ELECTRONICS ENGINEERING DEPARTMENT
2018 - 2019 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		
GEN 100	Introduction to Engineering		1	0	0	0	0	TM	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			20	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	4	TM	1	C		CS 101
EE 112	Introduction to Electrical and Electronics Engineering		3	0	0	3	4	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	
BIO 102	Biology		3	0	0	3	4	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		
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 A- 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	Having a passing grade in PHYS 102 Physics II or have a pass grade of at least A- in both PHYS 101 Physics 101 and MATH 101 Mathematics I
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 201	Linear Algebra		4	0	0	4	5	TB	2	C		
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	4	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
MATH 202	Differential Equations		4	0	0	4	5	TB	2	C		MATH 102
TOTAL			18	2	2	21	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
MATH 211	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		EE212, EE242
EE331	Signals and Systems	3	1	0	4	7	TM	3	C		MATH 102, CS 101, CS 10
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		
EE 302	Analog Electronics	3	1	0	4	4	TM	3	C	EE302L	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		MATH 211, EE 331
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						Compulsory								
						Theory	Practice	Lab	Credit	ECTS	Type	Year	/Elective	Corequisite
EE 441	Microcontrollers					3	0	2	4	6	TM	4	C	CS 101, CS 102, EE 221
EEAE 401	Department Elective I					3	0	0	3	6	MT	4	E	
EEAE 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	EE201, EE 202, EE 212, EE 331, EE 302
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
EEAE 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		
EEAE 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