ABDULLAH GÜL ÜNİVERSİTESİ / ABDULLAH GÜL UNIVERSITY
Electrical-Electronics Engineering Undergraduate Program (Capsule 2019)
(For students who will start undergraduate education in Fall 2019)

1. SINIF / GÜZ YARIYILI (Freshman Year / FALL Semester)

Course Code			Course Name	Pre Req	Lec.	Lab	Credits	ECTS	
EE 1100	MATH 153	Computation and Analysis Capsule	Calculus I for Electrical-Electronics Engineering		5	0	5	6	20
	PHYS 105		Physics I for Electrical-Electronics Engineering		3	2	4	5	
	EE 101		Introduction to Programming		2	2	3	6	
	MATH 103		Linear Algebra for Electrical-Electronics Engineering		3	0	3	3	
EDU 100			Life at AGU		2	0	2	2	
ENG 101			English I		4	0	4	4	
GLB 101			AGU Ways		3	0	3	4	
							Total	30	

1. SINIF / BAHAR YARIYILI (Freshman Year / SPRING Semester)

Course Code			Course Name	Pre Req	Lec.	Lab	Credits	ECTS	
EE 1200	MATH 154	Electronic System Design Capsule	Calculus II for Electrical-Electronics Engineering	MATH 153	5	0	5	6	20
	PHYS 104		Physics II for Electrical-Electronics Engineering	PHYS 105	3	2	4	5	
	EE 201		Electric Circuits I		4	0	4	6	
	EE 211		Electric Circuits I Lab		0	3	2	3	
EDU 101			Professional and Personal Development I		2	0	2	2	
ENG 102			English II	ENG 101	4	0	4	4	
GLB XXX			Global Issues Elective I**		3	0	3	4	
							Total	30	

2. SINIF / GÜZ YARIYILI (Sophomore Year / FALL Semester)

Course Code			Course Name	Pre Req	Lec.	Lab	Credits	ECTS	
EE 2100	MATH 207	Signal Acquisition, Processing and Analysis Capsule	*Differential Equations for Electrical-Electronics Engineering*	MATH 154	*4*	*0*	*4*	*5*	20
	EE 204		*Signals and Systems*	*EE 101*	*3*	*2*	*4*	*6*	
	EE 202		*Electric Circuits II*	*EE 201*	*4*	*0*	*4*	*6*	
	EE 212		*Electric Circuits II Lab*	*EE 211*	*0*	*3*	*2*	*3*	
EE 205			Engineering Electromagnetics	PHYS 104 MATH 154	3	0	3	4	
TURK 101			Turkish I		2	0	2	2	
GLB XXX			Global Issues Elective II**		3	0	3	4	
							Total	30	

2. SINIF / BAHAR YARIYILI (Sophomore Year / SPRING Semester)

Course Code			Course Name	Pre Req	Lec.	Lab	Credits	ECTS	
EE 2200	EE 203	Digital System Design Capsule	*Digital Design*		*3*	*0*	*3*	*4*	15
	EE 215		*Digital Design Lab with HDL*		*2*	*2*	*3*	*4*	
	EE 206		*Electronics I*	*EE 201*	*4*	*0*	*4*	*5*	
	EE 216		*Electronics I Lab*	*EE 201*	*0*	*2*	*1*	*2*	
MATH 301			Probability and Statistics		3	0	3	5	
EE 200			Professional and Personal Development II		*2*	*0*	*2*	*2*	
TURK 102			Turkish II		2	0	2	2	
HIST 201			History of Modern Turkey I		2	0	2	2	
GLB XXX			Global Issues Elective III**		3	0	3	4	
							Total	30	

3. SINIF / GÜZ YARIYILI (Junior Year / FALL Semester)

Course Code	Course Name	PreReq	Lec.	Lab	Credits	ECTS
A total of 20 ECTS Elective Capsules****						20
EE 300	Professional and Personal Development III		2	0	2	2
GLB XXX	Global Issues Elective IV		3	0	3	4
HIST 202	History of Modern Turkey II		2	0	2	2
EE 299	Summer Training I***				0	2
					Total	30

3．SINIF / BAHAR YARIYILI (Junior Year / SPRING Semester)

Course Code	Course Name	PreReq	Lec.	Lab	Credits	ECTS
EE 3999	Senior Design Project Capsule I		2	0	2	5
XXX	**Non-Technical Elective**					**5**
A total of 20 ECTS Elective Capsules****						20
					Total	30

4．SINIF / GÜZ YARIYILI (Senior Year / BAHAR Semester)

Course Code	Course Name	Lec.	Lab	Credits	ECTS
EE 4999	Senior Design Project Capsule II	2	0	2	10
A total of 20 ECTS Elective Capsules****					20
OHS 401	Occupational Health and Safety I	2	0	2	1
				Total	31

4．SINIF / BAHAR YARIYILI (Senior Year / SPRING Semester)

Course Code	Course Name	Lec.	Lab	Credits	ECTS
EE 400	Workplace Experience	1	0	1	28
OHS 402	Occupational Health and Safety II	2	0	2	1
	Total Credits				29

* EE100 Integrated Project I, CHEM 101 Chemistry for Engineers ve BIO 101 Biology for Engineers I derslerinden biri seçilecek (one of these three courses will be selected)

** GLB Electives
(4 GLB courses must be taken / 4 GLB kodlu ders alınmak zorundadır)

Code	Course Name	Lec.	Lab	Credits	ECTS
GLB 102	Innovation and Entrepreneurship	3	0	3	4
GLB 201	Food and Health	3	0	3	4
GLB 202	Immigration and Population	3	0	3	4
GLB 301	Sustainability	3	0	3	4

***At least three semesters in the program

**** Elective Capsules (Seçmeli Kapsüller)

Course Code	Course Name	Pre Req	ECTS
EE 3001	Telecommunication System Design with DSP Capsule	EE 204	10
EE 3002	Embedded Control Systems Design Capsule	EE 203 EE 204	10
EE 3003	Sensor System Design Capsule	EE 206	10
EE 3004	Optical System Design Capsule	EE 205	10
EE 3005	Biomedical System Design Capsule	Consent	10
EE 3006	Electromechanical Energy Conversion System Design Capsule	EE 202 EE 205	10
EE 4001	High Frequency System Design Capsule	EE 205	10

EE 4002	Robotic System Design Capsule	EE 3002 MATH 103	10
EE 4003	Power Electronics Motor Drives Design Capsule	EE 206 EE 205	10
EE 4004	Power System Analysis Capsule	EE 202 EE 3006	10

As an EEE student if you are interested in other engineering courses, you may combine two IE 3XX, IE 4XX, CE 3XX, CE 4XX, COMP3XX, COMP4XX, ME3XX, ME4XX, MSNE 3XX, MSNE 4XX courses (a list of possible courses will be announced before each semester), which may serve as one 10 ECTS elective capsule. The number of such course combinations may be restricted by the department. An individual or group project will be assigned to the student/s by an EEE faculty member through EE 351 and/or EE 352 Undergraduate Research Project course.

New capsules may be designed and offered in addition to the list given above.