ABDULLAH GÜL UNIVERSITY
Electrical-Electronics Engineering Undergraduate Program (Capsule 2021)
(For students who will start undergraduate education in Fall 2021)

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	5	
	MATH 103		Linear Algebra for Electrical-Electronics Engineering		4	0	4	4	
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	
CP100.EE			Career Planning		1	0	1	1	
EDU 101			Professional and Personal Development I		1	0	1	1	
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 XXX			Turkish Language Pool 1 (TURK 101 for Native Students, TURK103 for Foreign Students)		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			*Personal and Professional Development II*		*2*	*0*	*2*	*2*	
TURK XXX			Turkish Language Pool 2 (TURK 102 for Native Students, TURK104 for Foreign Students)		2	0	2	2	
HIST 2XX			History of Turkey Pool 1 (HIST 201 for Native Students, HIST 203 for Foreign Students)		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		1	0	1	1
GLB XXX	Global Issues Elective IV		3	0	3	4
HIST 2XX	History of Turkey Pool 2 (HIST 202 for Native Students, HIST 204 for Foreign Students)		2	0	2	2
EE 298	Summer Internship I		0	2	1	5
					Total	32

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

Course Code	Course Name	Pre Req	Lec.	Lab	Credits	ECTS
EE 3999	Senior Design Project Capsule I		0	2	1	5
XXX	Non-Technical Elective					3
A total of 20 ECTS Elective Capsules						20
					Total	28

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

Course Code	Course Name	Lec.	Lab	Credits	ECTS
EE 4999	Senior Design Project Capsule II	0	2	1	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	5	0	5	28
OHS 402	Occupational Health and Safety II	2	0	2	1
	Total Credits				29

Seçmeli Kapsüller / Elective Capsules

Course Code	Course Name	PreReq	Lec.	Lab	Credits	ECTS
EE 3001	Telecommunication System Design with DSP Capsule	EE 204	6	3	8	10
EE 3002	Embedded Control Systems Design Capsule	EE 203 EE 204	6	3	8	10
EE 3003	Sensor System Design Capsule	EE 206	6	3	8	10
EE 3004	Optical System Design Capsule	EE 205	6	3	8	10
EE 3005	Biomedical System Design Capsule		6	3	8	10
EE 3006	Electromechanical Energy Conversion System Design Capsule	EE 202 EE 205	6	3	8	10
EE 4001	High Frequency System Design Capsule	EE 205	6	3	8	10
EE 4002	Robotic System Design Capsule	EE 3002 MATH 103	6	3	8	10
EE 4003	Power Electronics Motor Drives Design Capsule	EE 206 EE 205	6	3	8	10
EE 4004	Power System Analysis Capsule	EE 202 EE 3006	6	2	7	10

Değişim Programlarına Yönelik Açılan Seçmeli Teknik Dersler / Technical Elective Courses for Transfer Students

Course Code	Course Name	PreReq	Lec	Lab	Credits	ECTS
XEE 301	Technical Transfer Elective I		3	0	3	5
XEE 302	Technical Transfer Elective II		3	0	3	5

Değişim Programlarına Yönelik Açılan Teknik Olmayan Seçmeli Dersler / General Elective Courses for Transfer Students

Course Code	Course Name	PreReq	Lec	Lab	Credits	ECTS
XEE 303	General Transfer Elective		3	0	3	3