

**EE TRACK1**

		Semester-1				Semester-2				TOTAL	
		ECTS			ECTS			ECTS			
Course Code	Engineering Credits	Basic Science Credits	Total	Course Code	Engineering Credits	Basic Science Credits	Total	Engineering Credits	Basic Science Credits		
<b>MAX ECTS</b>								<b>90</b>	<b>60</b>		
<b>Completed ECTS</b>								<b>120</b>	<b>60</b>		
Class - 1	course1	MATH101	-	6	6	MATH102	-	6	6		
	course2	NS101	-	6	6	NS102	-	6	6		
	course3	ENG101	-	-	3	ENG102	-	-	4		
	course4	HIST191	-	-	3	HIST192	-	-	3		
	course5	SPS101	-	-	6	SPS102	-	-	6		
	course6	TLL101	-	-	3	TLL102	-	-	3		
	course7		-	-	-	PROJ102	2	-	2		
			-	12	27		2	12	30	2	24
Class - 2	course1	CS201	6	-	6	ENS201	4	2	6		
	course2	ENS203	7	-	7	EL202	7	-	7		
	course3	ENS211	3	3	6	ENS206	3	3	6		
	course4	MATH201	-	6	6	MATH203	-	6	6		
	course5	SC1	-	6	6	SC1	-	6	6		
	course6		-	-	-		-	-	-		
	course7		-	-	-		-	-	-		
		16	15	31		14	17	31	30	32	
Class - 3	course1	CS303	6	1	7	EL308	7	-	7		
	course2	EL Pool1	6	-	6	EL Pool2	6	-	6		
	course3	EL Pool1	4	2	6	EL Pool2	6	-	6		
	course4	SPS303	-	-	5	TE Pool 2/Area Elective	5	1	6		
	course5	TE Pool 1/Area Elective	6	-	6	HUM2XX	-	-	5		
	course6		-	-	-	PROJ302	5	-	5		
	course7		-	-	-		-	-	-		
		22	3	30		29	1	35	51	4	
Class - 4	course1	ENS491	2	-	2	ENS492	5	-	5		
	course2	EL/TE4XX	6	-	6	EL/TE4XX	6	-	6		
	course3	EL/TE4XX	6	-	6	Area Elective	6	-	6		
	course4	Free Elective	-	-	6	Free Elective	-	-	6		
	course5	Area Elective	6	-	6	Free Elective	-	-	6		
	course6		-	-	-		-	-	-		
	course7		-	-	-		-	-	-		
		20	-	26		17	-	29	37	-	
<b>TOTAL</b>		<b>58</b>	<b>30</b>	<b>114</b>		<b>62</b>	<b>30</b>	<b>125</b>	<b>120</b>	<b>60</b>	

**EE TRACK2**

		Semester-1				Semester-2				TOTAL	
		ECTS			ECTS			ECTS			
Course Code		Engineering Credits	Basic Science Credits	Total	Course Code	Engineering Credits	Basic Science Credits	Total	Engineering Credits	Basic Science Credits	
<b>MAX ECTS</b>											
<b>Completed ECTS</b>											
Class - 1	course1	MATH101	-	6	6	MATH102	-	6	6		
	course2	NS101	-	6	6	NS102	-	6	6		
	course3	ENG101	-	-	3	ENG102	-	-	4		
	course4	HIST191	-	-	3	HIST192	-	-	3		
	course5	SPS101	-	-	6	SPS102	-	-	6		
	course6	TLL101	-	-	3	TLL102	-	-	3		
	course7		-	-	-	PROJ102	2	-	2		
						2	12	30	2	24	
Class - 2	course1	CS201	6	-	6	ENS201	4	2	6		
	course2	ENS203	7	-	7	EL202	7	-	7		
	course3	ENS211	3	3	6	ENS206	3	3	6		
	course4	MATH201	-	6	6	MATH203	-	6	6		
	course5	SC1	-	6	6	SC1	-	6	6		
	course6		-	-	-		-	-	-		
	course7		-	-	-		-	-	-		
		16	15	31		14	17	31	30	32	
Class - 3	course1	CS303	6	1	7	EL308	7	-	7		
	course2	TE301	5	1	6	TE302	5	1	6		
	course3	TE303	5	1	6	TE304	4	2	6		
	course4	SPS303	-	-	5	EL Pool2/Area Elective	6	-	6		
	course5	EL Pool1/Area Elective	6	-	6	HUM2XX	-	-	5		
	course6		-	-	-	PROJ302	5	-	5		
	course7		-	-	-		-	-	-		
		22	3	30		27	3	35	49	6	
Class - 4	course1	ENS491	2	-	2	ENS492	5	-	5		
	course2	EL/TE4XX	6	-	6	EL/TE4XX	6	-	6		
	course3	EL/TE4XX	6	-	6	Area Elective	6	-	6		
	course4	Free Elective	-	-	6	Free Elective	-	-	6		
	course5	Area Elective	6	-	6	Free Elective	-	-	6		
	course6		-	-	-		-	-	-		
	course7		-	-	-		-	-	-		
		20	-	26		17	-	29	37	-	
<b>TOTAL</b>			58	30	114		60	32	125	118	62

EE Track Pools				
Pool	Course Code	NEW ECTS	Engineering Credits	Basic Science Credits
EL Pool1	3. sınıf 1. dönem açılan EL dersleri (EL303,EL204)	6	4	2
EL Pool2	3. sınıf 2.dönem açılan EL dersleri (EL302,EL305, EL306, EL310)	6	6	0
TE Pool 1	3. sınıf 1. dönem açılan TE dersleri (TE 301, TE303)	6	5	1
TE Pool 2	3. sınıf 2.dönem açılan TE dersleri (TE302, TE304)	6	4	2
Sc1	MATH202,204,305,306,206 - CHEM - BIO - PHYS	6	0	6
EL/TE4XX	EL ve TE 4XX kodlu dersler( TE401, TE402, TE404, TE405, TE407, TE409, TE410, TE412, EL401, EL402, EL404, EL407, EL473)	6	6	0
Free Elective	Any course from FASS - SOM-FENS	6	0	0
Area Elective	CS300, CS409, CS204, CS401, PHYS303, PHYS302, PHYS304, ME303, MS303, EL3XX, EL4XX, TE3XX, TE4XX	6	6	0
FASS Pool	FASS ELECTIVE POOL	6	0	0
HUM2XX	HUM POOLS	5	0	0

## Electronics Engineering Program Course Catalog

Subject	Number	Title	SU Credit	ECTS Credit	New code
EL	202	Electronic Circuits II	4	7	EE 202
TE	305	Electromagnetics II	3	6	EE 301
EL	302	Digital Integrated Circuits	3	6	EE 302
EL	303	Analog Integrated Circuits	3	6	EE 303
EL	306	Introduction to Radio Frequency and Microw	3	6	EE 306
EL	204	Semiconductor Physics and Devices	3	6	EE 307
EL	308	Microcomputer Based System Design	4	7	EE 308
EL	310	Hardware Description Languages	3	6	EE 310
TE	301	Introduction to Signal Processing and Inform	3	6	EE 311
TE	302	Discrete-Time Signals and Systems	3	6	EE 312
TE	303	Introduction to Communication Systems	3	6	EE 313
TE	304	Digital Communications	3	6	EE 314
EL	401	Very Large Scale Integrated System Design I	3	6	EE 401
EL	402	Very Large Scale Integrated System Design I	3	6	EE 402
EL	305	Optoelectronics	3	6	EE 403
EL	404	Introduction to Microelectromechanical Syste	3	6	EE 404
EL	405	Communication Circuit Design	3	6	EE 405
TE	402	Antennas and Propagation for Wireless Com	3	6	EE 406
EL	407	Microelectronic Fabrication	3	6	EE 407
EL	304	Modeling of Semiconductor Devices	3	6	EE 408
TE	401	Microwaves	3	6	EE 409
TE	410	Information and Coding Theory	3	6	EE 410
TE	412	Wireless Communications	3	6	EE 413
TE	404	Multimedia Communication	3	6	EE 414
TE	405	Digital Speech and Audio Processing	3	6	EE 415
TE	407	Computer Vision	3	6	EE 417
TE	409	Signal Processing Design and Implementatio	3	6	EE 419
EL	444	Optics	3	6	EE 444
EL	473	Biomedical Instrumentation	3	6	EE 473
EL	480	Special Topics in Microelectronics	3	6	EE 480
TE	480	Special Topics in Telecommunications	3	6	EE 482