

Electrical and Electronics Engineering Double Major Program for Department of Computer Engineering

	Prerequisite	COURSE C.	COURSE NAME	Taken from	Mandatory or Elective	T	A	L	ECTS
1. YEAR FALL		CHE103	General Chemistry	Major	Mandatory	3	2	0	5
		CENG101	Algorithms and Programming I	Major	Mandatory	3	2	0	4
		MAT101	Calculus I	Major	Mandatory	3	2	0	7
		EEE101	Introduction to Electrical and Electronics Engineering	Double Major	Mandatory	2	0	0	2
		PHY101	Physics I	Major	Mandatory	3	0	2	7
		ENG110*	English I	Major	Mandatory	2	0	0	3
		ATA101*	Principles of Atatürk & Hist. of the Turkish Rev. I	Major	Mandatory	2	0	0	2
		TDE101*	Turkish Language I	Major	Mandatory	2	0	0	2
TOTAL SEMESTER ECTS									32
1. YEAR SPRING		MAT102	Calculus II	Major	Mandatory	3	2	0	7
		CENG102	Algorithms and Programming II	Major	Mandatory	3	2	0	4
		OPR201	Probability and Statistics for Engineers	Major	Mandatory	3	0	0	5
		PHY102	Physics II	Major	Mandatory	3	0	2	7
		ENG111*	English II	Major	Mandatory	2	0	0	3
		ATA102*	Principles of Atatürk & Hist. of the Turkish Rev. II	Major	Mandatory	2	0	0	2
		TDE102*	Turkish Language II	Major	Mandatory	2	0	0	2
TOTAL SEMESTER ECTS									30
2. YEAR FALL		CENG207	Circuits and Electronics	Major	Mandatory	3	2	0	5
		MAT203	Linear Algebra	Major	Mandatory	3	0	0	3
		MAT205	Differential Equations	Major	Mandatory	4	0	0	6
		IKC-SC-A	University Elective Courses (E)	Major	Elective				3
		EEE201	Electromagnetic Theory	Double Major	Mandatory	3	0	0	6
		SPFD-3	Seçmeli Pedagojik Formasyon 3		Elective				
TOTAL SEMESTER ECTS									23
2. YEAR SPRING		CENG206	Logic Design	Major	Mandatory	3	0	2	6
		IKC-SC-B	University Elective Courses (E)	Major	Elective				3
		EEE200	Electronics I	Double Major	Mandatory	4	0	0	6
		EEE202	Circuit Theory II	Double Major	Mandatory	3	2	0	7
		EEE204	Electronics Laboratory	Double Major	Mandatory	0	2	0	3
		EEE208	Electromagnetic Waves	Double Major	Mandatory	3	0	0	6
		MAT210	Numerical Methods and Applications	Double Major	Mandatory	2	0	1	5
	SPFD-4	Seçmeli Pedagojik Formasyon 4		Elective					
TOTAL SEMESTER ECTS									36
3. YEAR FALL		IKC-SC-C	University Elective Courses (E)	Major	Elective				3
		EEE300	Summer Practice	Double Major	Mandatory	0	2	0	1
		EEE301	Signals and Systems	Double Major	Mandatory	3	0	0	6
		EEE305	Electronics II	Double Major	Mandatory	4	0	0	6
		EEE307	Analog Electronics Laboratory	Double Major	Mandatory	0	2	0	2
		EEE309	Electromechanical Energy Conversion Principles I	Double Major	Mandatory	3	2	0	6
		EEE3XX	Department Third Year Technical Elective Course Group	Double Major	Elective				6
		SPFD-5	Seçmeli Pedagojik Formasyon 5		Elective				
TOTAL SEMESTER ECTS									30
3. YEAR SPRING		IKC-SC-D	University Elective Courses (E)	Major	Elective				3
		EEE302	Control Systems	Double Major	Mandatory	3	2	0	7
		EEE306	Power Systems	Double Major	Mandatory	3	2	0	7
		EEE316	Microprocessors	Double Major	Mandatory	2	2	0	7
		EEE3XX	Department Third Year Technical Elective Course Group	Double Major	Elective				6
		SPFD-6	Seçmeli Pedagojik Formasyon 6		Elective				
TOTAL SEMESTER ECTS									30
4. YEAR FALL		EEE400	Summer Practice	Double Major	Mandatory	0	2	0	4
		EEE407	Graduation Project I	Double Major	Mandatory	0	2	0	5
		ES411	Occupational Health and Safety I	Major	Mandatory	2	0	0	3
		ENG4XX	Interdisciplinary Technical Elective Courses	Major or Double Major	Elective				6
		EEE1.4XX	Department Fourth Year Technical Elective Course Group	Double Major	Elective				6
		EEE1.4XX	Department Fourth Year Technical Elective Course Group	Double Major	Elective				6
		SPFD-7	Seçmeli Pedagojik Formasyon 7		Elective				
TOTAL SEMESTER ECTS									30
4. YEAR SPRING		ES412	Occupational Health and Safety II	Major	Mandatory	2	0	0	3
		EEE408	Graduation Project II	Double Major	Mandatory	0	2	0	9
		EEE1.4XX	Department Fourth Year Technical Elective Course Group	Double Major	Elective				6
		EEE1.4XX	Department Fourth Year Technical Elective Course Group	Double Major	Elective				6
		EEE1.4XX	Department Fourth Year Technical Elective Course Group	Double Major	Elective				6
		SPFD-8	Seçmeli Pedagojik Formasyon 8		Elective				
TOTAL SEMESTER ECTS									30
CUMULATIVE ECTS									241