- Electrical and Electronics Engineering Undergraduate Program Curriculum:

First Year Fall Semester				
Course Code	Course Name	Credit	ECTS	Prerequisite(s)
EEE1001	Introduction to Electrical and Electronics Engineering	0(2,0)	2	-
EEE1003	Introduction to Computer Systems and Algorithms	3(2,2)	4	-
ENG1003	Communication Skills and Academic Reporting I	3(2,2)	4	-
MAT1033	Discrete Mathematics	3(3,0)	4	-
MAT1051	Calculus I	4(3,2)	7	-
PHY1001	Physics I	4(3,2)	7	
TLL1003	Turkish Language and Literature I	0(2,0)	2	-

First Year Spring Semester				
Course Code	Course Name	Credit	ECTS	Prerequisite(s)
EEE1002	Introduction to Programming	3(2,2)	6	EEE1001
ENG1004	Communication Skills and Academic Reporting II	3(2,2)	4	ENG1003
MAT1052	Calculus II	4(3,2)	7	MAT1051
PHY1002	Physics II	4(3,2)	7	PHY1001
TLL1004	Turkish Language and Literature II	0(2,0)	2	TLL1003
	GE-Elective	3(3,0)	4	-

Second Year Fall Semester				
Course Code	Course Name	Credit	ECTS	Prerequisite(s)
EEE2101	Circuit Theory I	4(3,2)	6	MAT1051
EEE2003	Data Structures and Algorithms	4(3,2)	7	EEE1002
MAT2069	Complex Analysis	3(2,2)	6	MAT1052
MAT2061	Differential Equations	3(3,0)	5	MAT1052
EEE2201	Introduction to Digital Logic	3(2,2)	4	MAT1033
HST1001	Atatürk's Principles and History of Turkish Republic I	0(2,0)	2	

Second Year Spring Semester				
Course Code	Course Name	Credit	ECTS	Prerequisite(s)
EEE2102	Circuit Theory II	4(3,2)	7	EEE2101
EEE2202	Digital System Design	3(2,2)	6	EEE2201
MAT2026	Probability and Statistics	3(3,0)	6	MAT1051
MAT2042	Linear Algebra	3(3,0)	5	-
HST1002	Atatürk's Principles and History of Turkish Republic II	0(2,0)	2	HST1001
	GE-Elective	3(3,0)	4	-

Third Year Fall Semester				
Course Code	Course Name	Credit	ECTS	Prerequisite(s)
EEE3101	Electronics I	4(3,2)	7	EEE2102, EEE2202
EEE3301	Microcontrollers	3(2,2)	6	EEE2003, EEE2202
EEE3501	Signals and Systems	4(3,2)	7	MAT2061
EEE3701	Electromagnetic Theory	3(3,0)	6	MAT1052, PHY1002
MAT3044	Numerical Methods for Engineers	4(3,2)	6	MAT2042

Third Year Spring Semester				
Course Code	Course Name	Credit	ECTS	Prerequisite(s)
EEE3102	Electronics II	4(3,2)	7	EEE3101
EEE3202	Electromechanical Energy Conversion	4(2,2)	7	EEE3701
EEE3402	Introduction to Communication Systems	3(3,0)	5	EEE3501
EEE3602	Control Systems	4(3,2)	7	EEE3501
	GE-Elective	3(3,0)	4	

Fourth Year Fall Semester				
Course Code	Course Name	Credit	ECTS	Prerequisite(s)
EEE4995	Summer Training	0(0,0)	2	-
EEE4997	Capstone Project I	3(3,0)	6	-
ENR4001	Engineering Economy	3(3,0)	4	-
	Departmental Elective	3(3,0)	6	-
	Departmental Elective	3(3,0)	6	-
	Departmental Elective	3(3,0)	6	-

Fourth Year Spring Semester				
Course Code	Course Name	Credit	ECTS	Prerequisite(s)
EEE4998	Capstone Project II	3(2,2)	8	EEE4997
ENR4004	Non-Technical Aspects of Engineering	2(2,0)	4	-
	Departmental Elective	3(3,0)	6	-
	Departmental Elective	3(3,0)	6	-
	Departmental Elective	3(3,0)	6	-

EEE4995 (Summer Training):

The summer training is 40 working days and students who complete the prerequisite courses are eligible to take this course.