		FIRST SEMESTER		Prerequisite - Co-requisite	Current ECTS credits
EE	101	Introduction to Electrical Engineering	(2-0) 2		2
EE	103	Introduction to Programming	(3-2) 4		6
PHYS	121	General Physics I	(3-2) 4		7
CHEM	121	General Chemistry I	(3-0) 3		5
CHEM	141	General Chemistry Lab. I	(0-2) 1		2
MATH	145	Calculus for Engineering and Science I	(4-2) 5		7
ENG	101	Development of Reading and Writing Skills I	(3-0) 3		3
		Total Number of Credits in the Semester :	**22**		32

		SECOND SEMESTER		Prerequisite - Co-requisite	Current ECTS credits
EE	142	Introduction to Logic Design	(3-2) 4		7
ENG	102	Development of Reading and Writing Skills II	(3-0) 3		3
PHYS	122	General Physics II	(3-2) 4		8
MATH	146	Calculus for Engineering and Science II	(4-2) 5		8
MATH	265	Basic Linear Algebra	(3-0) 3		4
GCC	101	Career Planning And Development	(2-0)NC		2
		Total Number of Credits in the Semester :	**19**		32

		THIRD SEMESTER		Prerequisite - Co-requisite	Current ECTS credits
EE	201	Circuit Analysis I	(4-0) 4		7
EE	203	Electrical Circuits Laboratory	(0-4) 2		4
EE	221	Concepts of Modern Physics	(4-0) 4		7
MATH	255	Differential Equations	(4-0) 4		6
TURK	201	Turkish Language I	(2-0)NC		2
TURK	203	Turkish for Foreigners I	(2-0)NC		2
HIST	201	Principles of Atatürk I	(2-0)NC		2
HIST	203	History of Turkish Revolution I	(2-0)NC		2
		Non-Technical Elective	(3-0) 3		3
		Total Number of Credits in the Semester :	**17**		31

(*) Mandatory courses for foreign students

		FOURTH SEMESTER		Prerequisite - Co-requisite	Current ECTS credits
EE	202	Circuit Analysis II	(4-0) 4		7
EE	204	Scientific Programming for Electrical Engineering	(2-2) 3		5
EE	212	Electronics I	(4-0) 4		6
EE	222	Electromagnetic Theory I	(4-0) 4		6
TURK	202	Turkish Language II	(2-0)NC		2
TURK	204	Turkish for Foreigners II	(2-0)NC		2
HIST	202	Principles of Atatürk II	(2-0)NC		2
HIST	204	History of Turkish Revolution II	(2-0)NC		2
		Non-Technical Elective	(3-0) 3		3
		Total Number of Credits in the Semester :	**18**		31

(*) Mandatory courses for foreign students

		FIFTH SEMESTER		Prerequisite - Co-requisite	Current ECTS credits
EE	313	Electronics II	(4-0) 4		6
EE	315	Electronics Laboratory	(0-4) 2		3
EE	323	Electromagnetic Theory II	(3-0) 3		5
EE	331	Signals and Systems	(3-2) 4		7
EE	333	Fundamentals of Probability and Random Processes	(4-0) 4		6
EE	300	Summer Practice I	NC		5
		Total Number of Credits in the Semester :	**17**		
					32

		SIXTH SEMESTER		Prerequisite - Co-requisite	Current ECTS credits
EE	316	Electronics Design Project	(1-4) 3		6
EE	342	Digital System Design	(3-2) 4		7
EE	352	Communication Systems I	(3-2) 4		7
EE	362	Feedback Control Systems	(4-0) 4		6
		Mathematics / Science / Engineering Elective	(3-0) 3		4
EE	300	Summer Practice I	NC		5
		Total Number of Credits in the Semester :	**18**		35

		SEVENTH SEMESTER		Prerequisite - Co-requisite	Current ECTS credits
EE	451	Communication Systems II	(3-2) 4		7
		Electrical Engineering Elective	(3-0) 3		6
		Electrical Engineering Elective	(3-0) 3		6
		Mathematics / Science / Engineering Elective	(3-0) 3		5
		Mathematics / Science / Engineering Elective	(3-0) 3		5
EE	400	Summer Practice II	NC		5
		Total Number of Credits in the Semester :	**16**		34

		EIGHTH SEMESTER		Prerequisite - Co-requisite	Current ECTS credits
		Electrical Engineering Elective	(3-0) 3		6
		Electrical Engineering Elective	(3-0) 3		6
		Electrical Engineering Elective	(3-0) 3		6
		Mathematics / Science / Engineering Elective	(3-0) 3		5
		Mathematics / Science / Engineering Elective	(3-0) 3		5
EE	400	Summer Practice II	NC		
		Total Number of Credits in the Semester :	**15**		28
				Total Credits : 142	248

		ELECTRICAL ENGINEERING ELECTIVE COURSE LIST		Prerequisite - Co-requisite	Current ECTS credits
EE	311	Digital Electronics	(3-0) 3		6
EE	334	Introduction to Numerical Computation for Electrical Engineers	(3-0) 3		6
EE	401	Neural Networks	(3-0) 3		6
EE	402	Inroduction To Natural Language Processing	(3-0)3		6
EE	411	Fundamentals of Photonics	(3-0) 3		6
EE	412	Lightwave Communication	(3-0) 3		6

EE	423	Antennas	(3-0) 3	6
EE	425	Microwave Engineering	(3-0) 3	6
EE	426	Introduction to Microwave and Antenna Measurements	(1-4) 3	6
EE	430	Introduction to Systems Biology	(3-0) 3	6
EE	431	Introduction to Image and Video Processing	(3-0) 3	6
EE	432	Speech Processing	(3-0) 3	6
EE	433	Introduction to Digital Signal Processing	(3-0) 3	6
EE	434	Biomedical Signal Processing	(3-0) 3	6
EE	436	Mathematical Foundations of Signal Processing and Systems	(3-0) 3	6
EE	440	Wireless Networking Technologies	(3-0) 3	6
EE	442	Computer Networks	(3-0) 3	6
EE	443	Embedded Systems	(3-0) 3	6
EE	444	Introduction to CMOS Integrated Circuit Design	(3-2) 4	6
EE	452	Digital Coding of Waveforms	(3-0) 3	6
EE	453	Software Defined Communications	(3-0) 3	6
EE	455	Mobile Communication	(3-0) 3	6
EE	461	Nonlinear Control Systems	(3-0) 3	6
EE	462	Optimal Control	(3-0) 3	6
EE	463	Introduction to Robotics	(3-0) 3	6
EE	465	Industrial Power Electronics	(3-0) 3	6
EE	466	Advanced Industrial Power Electronics	(3-2) 4	6
EE	467	Introduction to Digital Control Systems	(3-0) 3	6
EE	470	Introduction To Software Engineering	(2-2)3	6
EE	472	Nonlinear Time Series Analysis	(3-0) 3	6
EE	491	Project	(1-4) 3	6
EE	492	Project	(1-4) 3	6
EE	499	Cooperative Education Course	(0-6) 3	10