

**Electrical & Electronics Eng. 2016 Curriculum**

Name in stage.atilim.edu.tr/Atacs : EE-CUR- 2016-2017 Güz Dönemi-1

FIRST YEAR					
1. Semester					
Code	Name of the Course	T	A	C	ECTS
CEAC105	General Chemistry	3	2	4	<b>5.0</b>
HIST221	History of Civilization	3	0	3	<b>3.0</b>
EE103	Introduction to Electrical and Electronics Engineering	2	2	3	<b>3.0</b>
MATH157	Extended Calculus I	4	2	5	<b>7.5</b>
PHYS101	General Physics I	3	2	4	<b>6.0</b>
ENG101	English Communication Skills I	4	0	4	<b>3.5</b>
HIST111	Principles of Atatürk and History of Turkish Revolution I	2	0	2	<b>2.0</b>
					30

2. Semester					
Code	Name of the Course	T	A	C	ECTS
CMPE102	Computer Programming	2	2	3	<b>4.0</b>
MATH275	Linear Algebra	4	0	4	<b>6.0</b>
ENG102	English Communication Skills II	4	0	4	<b>3.5</b>
MATH158	Extended Calculus II	4	2	5	<b>7.5</b>
PHYS102	General Physics II	3	2	4	<b>6.0</b>
HIST112	Principles of Atatürk and History of Turkish Revolution II	2	0	2	<b>2.0</b>
EE106	Introduction to Computational Tools	1	0	1	<b>1.0</b>
					30

SECOND YEAR					
3. Semester					
Code	Name of the Course	T	A	C	ECTS
EE203	Digital Circuits and Systems	3	2	4	<b>6.0</b>
EE209	Circuit Analysis I	4	2	5	<b>8.0</b>
ENG201	Advanced Communication Skills	3	0	3	<b>3.0</b>
MATH276	Differential Equations	4	0	4	<b>6.0</b>
EE213	Probability and Random Process	3	0	3	<b>7.0</b>
					30

4. Semester					
Code	Name of the Course	T	A	C	ECTS
EE210	Circuit Analysis II	3	0	3	<b>8.0</b>
EE212	Electronics Circuits I	3	2	4	<b>8.0</b>
ENG202	Presentation Skills	3	0	3	<b>3.0</b>
EE222	Microcontrollers	3	2	4	<b>7.0</b>
	General Elective 1	3	0	3	<b>4.0</b>
					30

**Electrical & Electronics Eng. 2016 Curriculum**

Name in stage.atilim.edu.tr/Atacs : EE-CUR-2016-2017 Güz Dönemi-1

THIRD YEAR					
5. Semester					
Code	Name of the Course	T	A	C	ECTS
EE303	Signals and Systems	3	1	3	<b>7.0</b>
EE313	Electronics Circuits II	3	2	4	<b>7.0</b>
ENG301	English for Career Development I	3	0	3	<b>3.0</b>
EE319	Engineering Electromagnetics	4	0	4	<b>7.0</b>
EE315	Digital Integrated Circuits and Systems	3	0	3	<b>6.0</b>
EE399	Summer Practice I				<b>6.0</b>
					30

6. Semester					
Code	Name of the Course	T	A	C	ECTS
EE352	Electromechanical Energy Conversion	3	2	4	<b>6.0</b>
	Area Elective 1 (A)	3	2	4	<b>6.0</b>
EE316	Communication Systems	3	2	4	<b>6.0</b>
ENG302	English for Career Development II	3	0	3	<b>3.0</b>
EE326	Control Systems	3	0	3	<b>5.0</b>
	General Elective 2	3	0	3	<b>4.0</b>
					30

FOURTH YEAR					
7. Semester					
Code	Name of the Course	T	A	C	ECTS
EE493	Engineering Design Project I	0	4	2	<b>9.0</b>
TURK401	Turkish Language I	2	0	2	<b>2.0</b>
	General Elective 3	3	0	3	<b>4.0</b>
	Area Elective 2 (B/C)	3	0	3	<b>5.0</b>
	Area Elective 3 (B/C)	3	0	3	<b>5.0</b>
	Area Elective 4 (B/C)	3	0	3	<b>5.0</b>
EE499	Summer Practice II				<b>6.0</b>
					30

8. Semester					
Code	Name of the Course	T	A	C	ECTS
EE494	Engineering Design Project II	0	4	2	<b>8.0</b>
TURK402	Turkish Language II	2	0	2	<b>2.0</b>
IE305	Engineering Economic Analysis	2	0	2	<b>5.0</b>
	Area Elective 5 (B/C)	3	0	3	<b>5.0</b>
	Area Elective 6 (B/C)	3	0	3	<b>5.0</b>
MATH380	Numerical Methods for Engineers	3	1	3	<b>5.0</b>
					30

# Electrical & Electronics Eng. 2016 Curriculum

Name in stage.atilim.edu.tr/Atacs : EE-CUR-2016-2017 Güz Dönemi-1

## Area Elective Courses

**Group (A): Credit (4) ECTS (6) ; Group (B): Credit (3) ECTS (5) ; Group (C): Credit (3) ECTS (5)**

*Group ( A/B/C )	Code	Name of the Course	T	A	C	ECTS
A	EE306	Digital Signal Processing	3	2	4	6
A	EE310	RF and Microwave Engineering	3	2	4	6
B	<u>EE403</u>	Communication Networks	3	0	3	5
B	<u>EE405</u>	Antennas and Propagation	3	0	3	5
B	<u>EE406</u>	Optical Communication Systems	3	0	3	5
B	<u>EE408</u>	Satellite Communications	3	0	3	5
B	<u>EE410</u>	Communication Electronics	3	0	3	5
B	<u>EE422</u>	Statistical Signal Processing	3	0	3	5
B	<u>EE423</u>	Neural Networks and Applications	3	0	3	5
B	<u>EE424</u>	Adaptive Systems and Signal Processing	3	0	3	5
B	<u>EE426</u>	Real Time Signal Processing	3	0	3	5
B	<u>EE430</u>	Computer Vision	3	0	3	5
B	<u>EE432</u>	VLSI Design	3	0	3	5
B	<u>EE433</u>	RF Microelectronics	3	0	3	5
B	<u>EE434</u>	Microwave Circuit Design	3	0	3	5
B	<u>EE435</u>	Optoelectronics	3	0	3	5
B	<u>EE445</u>	Introduction to Robotics	3	0	3	5
B	<u>EE448</u>	Pattern Recognition	3	0	3	5
B	<u>EE451</u>	Power Systems Analysis	3	0	3	5
B	<u>EE452</u>	High Voltage Techniques	3	0	3	5
C	<u>EE401</u>	Digital Communications	2	2	3	5
C	<u>EE421</u>	Digital Image Processing	2	2	3	5
C	<u>EE425</u>	Advanced Digital Design with HDL	2	2	3	5
C	<u>EE402</u>	Wireless Communications	2	2	3	5
C	<u>EE404</u>	Radar Systems	2	2	3	5
C	MECE422	Interdisciplinary Engineering Design	2	2	3	6