

TED University Electrical and Electronics Engineering Undergraduate Curriculum
Students Enrolled in 2025 and After

SEMESTER 1						
Code	Course Name	T	P	L	C	ECTS
ENG 101	English for Academic Purposes	2	2	0	3	5
LIBE 110	Critical Perspectives on Humanity	3	0	0	3	5
LIBE 120	Foundations and Frontiers of Science	2	0	2	3	5
MATH 101	Calculus of One Variable	3	2	0	4	7
PHYS 101	General Physics I	3	0	2	4	6
TEDU 101	First Year Experience at TEDU	0	0	0	0	1
TUR 101	Turkish I	2	0	0	2	2
Semester Credits		15	4	4	19	31

SEMESTER 2						
Code	Course Name	T	P	L	C	ECTS
MATH 220	Linear Algebra	3	0	0	3	5
PHYS 102	General Physics II	3	0	2	4	6
ENG 102	Expository Writing	2	2	0	3	5
CMPE 110	Programming with Python	2	0	2	3	5
MATH 102	Multivariable Calculus	3	2	0	4	7
TEDU 102	Service Learning	1	0	0	1	1
TUR 102	Turkish II	2	0	0	2	2
Semester Credits		16	4	4	20	31

SEMESTER 3						
Code	Course Name	T	P	L	C	ECTS
EE 201	Circuit Theory I	3	0	2	4	8
EE 222	Digital Logic Design	2	0	2	3	6
LIBE 130	Art and Design	3	0	0	3	5
MATH 244	Differential Equations	3	0	0	3	5
CHEM 100	General Chemistry	3	0	0	3	5
Semester Credits		14	0	4	16	29

SEMESTER 4						
Code	Course Name	T	P	L	C	ECTS
EE 202	Circuit Theory II	3	0	2	4	8
EE 252	Microelectronic Devices and Circuits	3	0	0	3	5
LIBE 140	Social and Political Studies	3	0	0	3	5
MATH 204	Vector and Complex Calculus	3	0	0	3	5
MATH 250	Discrete Mathematics for Engineering	3	0	0	3	5
Semester Credits		15	0	2	16	28

SEMESTER 5						
Code	Course Name	T	P	L	C	ECTS
EE 301	Introduction to MATLAB Programming	0	0	3	1	4
EE 311	Signals and Systems	3	0	0	3	5
EE 341	Electromagnetic Theory I	3	0	0	3	5
EE 351	Analog Circuit Design	3	0	2	4	8
EE 361	Electromechanical Energy Conversion	2	0	2	3	5
EE 399	Summer Practice I	1	0	0	1	4
Semester Credits		12	0	7	15	31

SEMESTER 6						
Code	Course Name	T	P	L	C	ECTS
EE 304	Probability and Random Variables	3	0	0	3	5
EE 312	Communication Systems I	3	0	0	3	5
EE 332	Feedback Control Systems	3	0	0	3	5
EE 342	Electromagnetic Theory II	3	0	0	3	5
LIBE 150	Critical Perspectives in World Literature	3	0	0	3	5
EE 454	Microprocessors	2	0	2	3	6
Semester Credits		17	0	2	18	31

SEMESTER 7						
Code	Course Name	T	P	L	C	ECTS
EE	Departmental Elective	3	0	0	3	5
EE 451	Digital Electronics	2	0	2	3	5
EE 491	Senior Project I	1	0	4	3	7
EE 499	Summer Practice II	1	0	0	1	6
ENGR 490	Contemporary Issues in Engineering	2	2	0	3	5
HIST 101	History of Turkish Republic I	2	0	0	2	2
Semester Credits		11	2	6	15	30

SEMESTER 8						
Code	Course Name	T	P	L	K	AKTS
EE	Departmental Elective	3	0	0	3	5
EE	Departmental Elective	3	0	0	3	5
EE 492	Senior Project II	1	0	4	3	12
FREE	Free Elective	3	0	0	3	5
HIST 102	History of Turkish Republic II	2	0	0	2	2
Semester Credits		12	0	4	14	29

TOTAL		112	10	33	133	240
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