KHAZAR UNIVERSITY

Electrical and electronics engineering B.S. Program

1st Year

CODE	Fall Semester	KU	ECTS
AZLL 101	Azerbaijan Language	3	6
MATH 101	Calculus_I	3	6
PHSC 150	Physics	3	6
ENGL 101	English Foundations_I	4	8
	Social Sciences**	3	6
	Credit	16	32

CODE	Spring Semester	KU	ECTS
CHEM 111	Chemistry	3	6
MATH 102	Calculus_II	3	6
PHSC 220	Applied Physics	3	6
ENGL 102	English Foundation_II	4	8
AZC 202	Azerbaijan Culture	2	4
AZH 150	Azerbaijan History	3	6
	Credit	18	36

2nd Year

CODE	Fall Semester	KU	ECTS
ETR 220	Fundamentals of electrical engineering	4	8
ENGL 216	ESP Electronics Engineering	3	6
CMS 115	Computer Application in Engineering	3	6
ENGR 205	Technical mechanics	3	6
MATH 235	Applied Linear Algebra	3	6
	Elective (major)***	3	6
	Credit	19	38

CODE	Spring Semester	KU	ECTS
ETR250	Materials of electrical and electronic equipment	3	6
	Elective (major)***	4	8
	Social Sciences**	3	6
ETR 232	Analog and digital electronics	3	6
ETR 270	Electrical Measurements and Methods	3	6
	Credit	16	32

3rd Year

CODE	Fall Semester	KU	ECTS
ETR 393	Basic of Circuitry	3	6
MED 315	Life Science	3	6
CIV 215	Engineering Drawing	3	6
ETR330	Electrical and electronic devices	3	6
	Humanity*	3	6
	Credit	15	30

CODE	Spring Semester	KU	ECTS
ETR 337	Fundamental of Computer Programming	3	6
ETR 356	Generation, transmission and distribution of electricity	3	6
	Humanity*	3	6
	Elective (major)***	3	6
	Credit	12	24

CODE	Summer Semester	KU	ECTS
ETR362	Summer Intership	6	12
	Credit	6	12

4th Year

CODE	Fall Semester	KU	ECTS
ETR 452	Electric machines	4	8
	Elective (major)***	3	6
ETR 462	Power electronics	3	6
ETR 460	Micropressor technique	3	6
ETR 480	Electrotechnology	3	6
	Credit	16	32

CODE	Spring Semester	KU	ECTS
	Elective (major)***	4	8
ETR 468	Electrical drives	3	6
ETR 470	Industrial automation and programmable logic controllers	3	6
	Credit	10	20

Total Credit for Graduation 128 256

	* Humanity	6				***Major Electives	KU	ECTS
FNLG 201	Foreign language 1	3			ETR 211	Semiconductor Devices	3	6
HIST 110	History of World Civilizations	3			EENG 250	Electrical Engineering	3	6
FNLG 202	Foreign language 2	3			EENG 245	Basic Electronics	4	8
PHIL 110	Introduction to philosophy	3			ETR 312	Fundamentals of Microwaves	3	6
LAW 220	Family Law	3			CHE 490	Renewable Energy	3	6
LAW 102	Law Enforcement Systems	3			ETR 390	Control system	3	6
					ETR 482	Electronic Systems and Technologies	4	8
	** Social Sciences	6			ETR 461	Robotics	4	8
MGT 310	Management and Organization	3			ETR 490	Optical Communication Engineering	3	6
LAW 220	Family Law	3			ETR 416	Power Convertion	3	6
ECON 101	Introduction to Economics	3						
LAW 102	Law Enforcement Systems	3					KU	ECTS
						University Requirement English	11	22
						University Requirement Azeri	8	16
						Humanity	6	12
	Science and Technology	9				Science and Technology	9	18
MATH 101	Calculus 1	3				Social Sciences	6	12
CMS 115	Computer Application in Engineering	3				Major Courses	88	176
MED 315	Life Sciences	3						
						Total	128	256