KHAZAR UNIVERSITY

Electronics Engineering B.S. Program

1st Year

CODE	Fall Semester	KU	ECTS	CODE	Spring Semester	KU	ECTS
AZLL 101	Azerbaijan Language	3	6	MATH 102	Calculus_II	3	6
MATH 101	Calculus_I	3	6	PHSC 112	Physics_II	3	6
PHSC 111	Physics_I	3	6	ENGL 102	English Foundation _II	4	8
ENGL 101	English Foundations_I	4	8	AZC 202	Azerbaijan Culture	2	4
MED 315	Life Sciences	3	6	AZH 150	Azerbaijan History	3	6
					Social Sciences**	3	6
	Credit	16	32		Credit	18	36

2nd Year

CODE	Fall Semester	KU	ECTS	CODE	Spring Semester	KU	ECTS
EENG 211	Circuits Theory	3	6	MATH 132	Linear Algebra	3	6
ENGL 216	ESP Electronics Engineering	3	6	EENG 245	Basic Electronics	4	8
CMS 115	Computer Application in Engineering	3	6	ETR 237	Communication Systems	3	6
	Social Sciences**	3	6	ETR 234	Analog and Digital Electronics	3	6
	Elective (major)***	3	6	ETR 270	Electrical Measurements and Methods	3	6
	Credit	15	30		Credit	16	32

3rd Year

CODE	Fall Semester	KU	ECTS	CODE	Spring Semester	KU	ECTS
ETR 359	Microprocessor-based Systems	3	6	ETR 385	Designing Radio Electronic Devices	3	6
ETR 346	Telecommunication Networks	3	6	ETR 375	Theory of Reception, Processing and Transmission of Images	3	6
CIV 215	Engineering Drawing	3	6	CMS 140	Fundamental of Computer Programming	3	6
ETR 393	Basics of Circuitry	3	6		Elective (major)***	3	6
	Humanity*	3	6		Humanity*	3	6
	Credit	15	30		Credit	15	30

				CODE	Summer Semester	KU	ECTS
				ETR 395	Summer Internship	3	6
					Credit	3	6

4th Year

CODE	Fall Semester	KU	ECTS	CODE	Spring Semester	KU	ECTS
ETR 408	Electrodynamics	3	6	ETR 482	Electronic Systems and Technologies	3	6
ENV 305	HS&E	3	6	ETR 476	Radio Transmitting and Antenna Devices	3	6
ETR 401	Wireless Communication Technology	3	6	ETR 487	Electric Communication Theory	3	6
ETR 466	Electrical Power Supply	3	6		Elective (major)***	3	6
ETR 454	Signals and Systems	3	6		Elective (major)***	3	6
	Credit	15	30		Credit	15	30

Total Credits for Graduation **128** **256**

	* Humanity Courses List:					***Major Electives List:	KU	ECTS
PHIL 130	Culture of Philosophy				ETR 211	Semiconductor Devices and Modeling	3	6
	Foreign Language				EENG 250	Electrical Engineering	3	6
					ETR 312	Fundamentals of Microwaves	3	6
	** Social Sciences				ETR 390	Control Systems	3	6
MGT310	Management and Organization				ETR 490	Optical Communication Engineering	3	6
LAW 220	Family Law				ETR 461	Robotics	3	6
ECON 101	Introduction to Economics				ETR 416	Power Convertion	3	6
					ETR 463	Digital Microelectronics	3	6
					CHE 490	Renewable Energy	3	6
							KU	ECTS
						University Requirement English	**11**	**22**
	Science and Technology					**University Requirement Azeri**	**8**	**16**
MATH 101	Calculus 1					**Humanity**	**6**	**12**
CMS 202	Computer Application in Engineering					**Social Sciences**	**6**	**12**
MED 315	Life Sciences					**Science and Technology**	**9**	**18**
						Major Courses	**88**	**176**
						Total	**128**	**256**