

# KHAZAR UNIVERSITY

## Civil Engineering B.S. Program

### 1st Year

CODE	Fall Semester	KU	ECTS
AZLL 101	Azerbaijan Language	3	6
MATH 101	Calculus_I	3	6
PHSC 111	Physics_I	3	6
ENGL 101	English Foundations_I	4	8
CHEM 111	Chemistry	3	6
	Social Sciences**	3	6
	Credit	16	32

CODE	Spring Semester	KU	ECTS
AZH 150	Azerbaijan History	3	6
MATH 102	Calculus_II	3	6
ENGL 102	English Foundation_II	4	8
AZC 202	Azerbaijani Culture	2	4
PHSC 112	Physics_II	3	6
	Credit	15	30

### 2nd Year

CODE	Fall Semester	KU	ECTS
MATH 235	Applied Linear Algebra	3	6
ENGR 205	Statics	3	6
CMS 115	Computer Application in Engineering	3	6
ENGL 216	ESP for Civil Engineering	3	6
	Social Sciences**	3	6
	Credit	15	30

CODE	Spring Semester	KU	ECTS
CIV 202	Surveying	3	6
CIV 303	Strength of Materials - 1	3	6
CIV 244	Materials of Construction	3	6
CIV 215	Engineering Drawing	3	6
ME 262	Dynamics	3	6
	Credit	15	30

### 3rd Year

CODE	Fall Semester	KU	ECTS
CIV 363	Soil Mechanics	3	6
CIV384	Structural Analysis - 1	3	6
ENGR 210	Elective (major)***	3	6
CIV 303	Strength of Materials - 2	3	6
	Humanity 1	3	6
	Credit	15	30

CODE	Spring Semester	KU	ECTS
CIV385	Structural Analysis - 2	3	6
CIV 320	Steel Structure	4	8
MED 315	Life Science	3	6
	Humanity 2	3	6
	Elective (major)***	3	6
	Credit	16	32
	Summer Internship	6	12

### 4th Year

CODE	Fall Semester	KU	ECTS
CIV 485	Steel design	3	6
CIV 381	Reinforced Concrete Fundamentals -1	3	6
CIV 450	Hydraulics	3	6
	Elective (major)***	3	6
	Elective (major)***	3	6
	Credit	15	30

CODE	Spring Semester	KU	ECTS
CIV 382	Reinforced Concrete Fundamentals -2	3	6
	Elective (major)***	3	6
	Elective (major)***	3	6
	Elective (major)***	3	6
	Credit	12	24

	* Humanity Courses List:	6			***Major Electives List:	KU	Semestr
FNLG 201	Foreign Language- 1 (Humanity 1)	3		CIV 344	Concrete Technology	3	VII
FNLG 202	Foreign Language- 2 (Humanity 2)	3		CIV 260	Numerical methods in engineering	3	VII
				CIV 352	Power supply	3	VI
	** Social Sciences	6		CIV 400	Construction machines	3	VI
MGT310	Management and Organization	3		ARCH 462	Computer-Aided Design in Architecture	3	VII
LAW 220	Family Law	3		ENGR 310	Economics of construction	3	VII
ECON 101	Introduction to Economy	3		CIV 460	Engineering Seismology	3	V
				ENGR 210	Fluid mechanics	3	V
	Science and Technology	9		CIV 370	Fundamentals of metrology	3	VIII
MATH 101	Calculus 1	3		ARCH 331	Architectural construction	3	VIII
CMS 202	Computer Application in Engineering	3		CIV 470	Hydraulic structure	3	VIII
MED 315	Life science	3		CIV 485	Fundamentals of steel design	3	VIII
				CMS 140	Engineering programming	3	VIII
					University Requirement English	11	22
					University Requirement Azeri	8	16
					Humanity	6	12
					Social Sciences	6	12
					Science and Technology	9	18
					Major Courses	88	176
					Total	128	256