

# 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
CHEM 111	Chemistry_I	3	6
ENGL 101	English Foundations_I	4	8
	Social Sciences**	3	8
	Credit	16	34

CODE	Spring Semester	KU	ECTS
AZH 150	Azerbaijan History	3	6
MATH 102	Calculus_II	3	6
ENGL 102	English Foundation_II	4	8
PHSC 111	Physics_I	3	6
AZC 202	Azerbaijani Culture	2	4
MED 315	Life Science	3	6
	Credit	18	36

### 2nd Year

CODE	Fall Semester	KU	ECTS
PHSC 112	Physics_II	3	6
ENGR 205	Engineering Mechanics	3	6
CMS 115	Computer Application in Engineering	3	6
ENGL 216	ESP for Civil Engineering	3	6
	Humanity*	3	6
	Credit	15	30

CODE	Spring Semester	KU	ECTS
MATH 231	Applied Linear Algebra	3	6
CIV 202	Surveying	3	6
CIV 303	Strength of Materials	3	6
CIV 244	Materials of Construction	3	6
CIV 363	Soil Mechanics	3	6
	Credit	15	30

### 3rd Year

CODE	Fall Semester	KU	ECTS
CIV 215	Engineering Drawing	3	6
CIV 366	Foundation Engineering	3	6
ENGR 210	Fluid Mechanics	3	6
ARCH 331	Architectural Structures	3	6
	Humanity*	3	6
	Credit	15	30

CODE	Spring Semester	KU	ECTS
CIV 370	Basics of Metrology	3	6
CIV 384	Structural Analysis	3	6
CIV 344	Concrete Technology	3	6
	Elective (major)	3	6
	Social Sciences**	3	6
	Credit	15	30

CODE	Fall Semester	KU	ECTS

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

### 4th Year

CODE	Fall Semester	KU	ECTS
CIV 485	Fundamentals of Steel design	3	6
CIV 381	Reinforced Concrete Fundamentals -1	3	6
ENV 305	HS&E	3	6
CIV 451	Hydraulics	3	6
	Elective (major)	3	6
	Credit	15	30

CODE	Spring Semester	KU	ECTS
CIV 382	Reinforced Concrete Fundamentals -2	3	6
CIV 320	Steel Structure	4	8
CIV 472	Hydraulic Structures	3	6
	Elective (major)***	6	12
	Credit	16	32

**Total Credits for Graduation 128 256**

* Humanity Courses List:		***Major Electives List:		KU	ECTS
PHIL 130	Culture of Philosophy	CIV 321	Environmental Engineering	3	6
	Foreign Language	CIV 400	Construction Machines	3	6
		CIV 352	Numerical Methods in Engineering	3	6
	** Social Sciences	CIV 353	Transportation Engineering	3	6
MGT310	Management and Organization	ARCH 462	Computer Aided Design in Architecture	3	6
LAW 220	Family Law	CIV 584	Limit Analysis	3	6
ENGR 310	Construction Economy	CIV 512	Engineering Seismology	3	6
			Hydrology	3	6
		CIV 589	Wave hydrodynamics	3	6
	Science and Technology			KU	ECTS
MATH 101	Calculus 1		University Requirement English	11	22
CMS 202	Computer Application in Engineering		University Requirement Azeri	8	16
ENV 305	HS&E		Humanity	6	12
			Social Sciences	6	12
			Science and Technology	9	18
			Major Courses	88	176
			Total	128	256