

# KHAZAR UNIVERSITY

## Chemistry Education B.S. Program

### 1st Year

CODE	Fall Semester	KU	ECTS
AZLL 101	Azerbaijan language	3	6
AZLL105	Azerbaijan Literature	3	6
ENGL 101	English Foundations I	4	8
PHSC 115	Physics	3	6
MATH 104	Mathematics	3	6
CHEM 102	General Chemistry	3	6
	<b>Credit</b>	<b>19</b>	<b>38</b>

CODE	Spring Semester	KU	ECTS
AZH 150	Azerbaijan History	3	6
ENGL 102	English Foundations II	4	8
ENGL 103	Academic English	4	8
CMS121	Computer application in Education (IKT)	3	6
EDU101	Pedagogy I	3	6
	<b>Credit</b>	<b>17</b>	<b>34</b>

### 2nd Year

CODE	Fall Semester	KU	ECTS
ASC 201	Azerbaijan Culture and Multiculturalizm	3	6
CHEM 125	Inorganic Chemistry I	3	6
ENGL216	English for Special Purpose (ESP)	3	6
CHE 211	Physical Chemistry I	3	6
CHEM233	Organic Chemistry I	3	6
PSYC304	Psychology	3	6
	<b>Credit</b>	<b>18</b>	<b>36</b>

CODE	Spring Semester	KU	ECTS
CHEM200	Chemical Calculations	3	6
CHEM226	Inorganic Chemistry II	3	6
CHEM245	Physical Chemistry II	3	6
CHEM278	Organic Chemistry II	3	6
CHEM 245	Physical Chemistry II	3	4
EDU302	Pedagogy II	3	6
	<b>Credit</b>	<b>18</b>	<b>36</b>

### 3rd Year

CODE	Fall Semester	KU	ECTS
ENG 311	Analytical Chemistry I	3	6
CHE 313	Colloid Chemistry I	3	6
MED 315	Life Science	3	6
	***Major Electives	3	6
	***Major Electives	3	6
	<b>Credit</b>	<b>15</b>	<b>30</b>

CODE	Spring Semester	KU	ECTS
CHE 322	Analytical Chemistry II	3	6
CHE 321	Colloid Chemistry II	3	6
	***Major Electives	3	6
	***Major Electives	3	6
	***Major Electives	3	6
	<b>Credit</b>	<b>15</b>	<b>30</b>

### 4th Year

CODE	Fall Semester	KU	ECTS
CHEM420	Pedagogical Practices I	6	12
EDU 431	Methodology of Teaching Chemistry I	3	6
	***Major Electives	3	4
	***Major Electives	3	6
	<b>Credit</b>	<b>15</b>	<b>24</b>

CODE	Spring Semester	KU	ECTS
CHE421	Pedagogical Practices II	6	12
EDU 433	Methodology of Teaching Chemistry II	3	6
	***Major Electives	3	6
			2
	<b>Credit</b>	<b>12</b>	<b>24</b>

**Total Credit for Graduation      129      258**

Code	<b>* Humanity</b>	6		Code	<b>***Major Electives</b>	KU	ECTS
FNLG 201	Foreign language 1	3		CHEM 352	Biochemistry	3	6
HIST 110	History of World Civilizations	3		CHEM 320	Chemistry of high molecular compounds	3	6
FNLG 202	Foreign language 2	3		CHEM 350	Petroleum Chemistry	3	6
PHIL 110	Introduction to philosophy	3		CHEM 454	Chemistry of complex compounds	3	6
LAW 220	Family Law	3		CHEM 475	Chemistry of bioorganic, bionatural and physiologically active compounds	3	6
LAW 102	Law Enforcement Systems	3		CHEM 417	Ecological Chemistry	3	6
				CHEM 370	Chemistry of additives	3	6
	<b>** Social Sciences</b>	6					
MGT 310	Management and Organization	3					
LAW 220	Family Law	3					
ECON 101	Introduction to Economics	3				KU	ECTS
LAW 102	Law Enforcement Systems	3			University Requirement English		22
		2			University Requirement Azeri	8	16
		1			Humanity	6	12
		1			Science and Technology	9	18
	<b>Science and Technology</b>	9			Social Sciences	6	12
MATH 101	Calculus I	3			Major Courses	88	176
CMS 115	Computer Application in Engineering	3					

MED 315	Life Sciences	3				<b>Total</b>	128	256
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