

# KHAZAR UNIVERSITY

## Chemistry Education B.S. Program

### 1st Year

CODE	Fall Semester	KU	ECTS
AZFL1101	Azerbaijan Language	3	6
AZFL1102	Azerbaijan Literature	3	6
ENGL1101	English Foundations I	4	8
PHYS1101	Physics	3	6
MATH1101	Mathematics	3	6
CHM1101	General Chemistry	3	6
	<b>Credit</b>	<b>19</b>	<b>38</b>

CODE	Spring Semester	KU	ECTS
AZHI1101	Azerbaijan History	3	6
ENGL1102	English Foundations II	4	8
ENGL1103	Academic English	4	8
ICT1101	Computer Application in Education (IKT)	3	6
PED1101	Pedagogy I	3	6
	<b>Credit</b>	<b>17</b>	<b>34</b>

### 2nd Year

CODE	Fall Semester	KU	ECTS
AZC1201	Azerbaijan Culture and Multiculturalism	3	6
CHM1201	Inorganic Chemistry I	3	6
ENGL1201	English for Special Purpose (ESP)	3	6
CHM1202	Physical Chemistry I	3	6
CHM1203	Organic Chemistry I	3	6
PSY1201	Psychology	3	6
	<b>Credit</b>	<b>18</b>	<b>36</b>

CODE	Spring Semester	KU	ECTS
CHM1204	Chemical Calculations	3	6
CHM1205	Inorganic Chemistry II	3	6
CHM1206	Physical Chemistry II	3	6
CHM1207	Organic Chemistry II	3	6
PED1201	Pedagogy II	3	6
	<b>Credit</b>	<b>15</b>	<b>30</b>

### 3rd Year

CODE	Fall Semester	KU	ECTS
CHM1301	Analytical Chemistry I	3	6
CHM1302	Colloid Chemistry I	3	6
CHM1303	Life Science	3	6
CHM1304	Chemical Technology	3	6
	*Humanity	3	6
	***Major Electives	3	6
	<b>Credit</b>	<b>18</b>	<b>36</b>

CODE	Spring Semester	KU	ECTS
CHM1305	Analytical Chemistry II	3	6
CHM1306	Colloid Chemistry II	3	6
	**Social Sciences	3	6
	*Humanity	3	6
	***Major Electives	3	6
	<b>Credit</b>	<b>15</b>	<b>30</b>

CODE	Fall Semester	KU	ECTS

CODE	Summer Semester	KU	ECTS

### 4th Year

CODE	Fall Semester	KU	ECTS
PED1401	Pedagogical Practices I	6	12
PED1402	Methodology of Teaching Chemistry I	3	6
	**Social Sciences	3	6
	***Major Electives	3	6
	<b>Credit</b>	<b>15</b>	<b>30</b>

CODE	Spring Semester	KU	ECTS
PED1403	Pedagogical Practices II	6	12
PED1404	Methodology of Teaching Chemistry II	3	6
	***Major Electives	3	6
	§ Science and Technology	3	6
	<b>Credit</b>	<b>15</b>	<b>30</b>

**Total Credit for Graduation**

**132**

**264**

Code	<b>* Humanity</b>	<b>6</b>		Code	<b>***Major Electives</b>	<b>12</b>	<b>24</b>
FNLG 201	Foreign Language 1	3		CHEM 352	Biochemistry	3	6
HIST 110	History of World Civilizations	3		CHEM 320	Chemistry of Macromolecular 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, Natural and Physiologically Active Compounds	3	6
LAW 102	Law Enforcement Systems	3		CHEM 417	Ecological Chemistry	3	6
HST396	History of Modern Turkish States	3		CHEM 370	Chemistry of Additives	3	6
	<b>** Social Sciences</b>	<b>6</b>		CHME328	Nanochemistry	3	6
MGT 310	Management and Organization	3					
EDU218	Inclusive Education	3					
ECON 101	Introduction to Economics	3				<b>KU</b>	<b>ECTS</b>
EDU496	Class Managements	3				<b>12</b>	<b>24</b>
PSYC311	Social Psychology	3				<b>9</b>	<b>18</b>
SPH202	Culture of Speech and Communication	3				<b>6</b>	<b>12</b>
TURK315	Turkic World's Culture	3				<b>9</b>	<b>18</b>
	<b>§Science and Technology</b>	<b>9</b>				<b>6</b>	<b>12</b>
MATH 101	Calculus I	3				<b>90</b>	<b>180</b>
CMS 115	Fundamentals of Computer Programing	3					
CMS101	Introduction to Computer Science	3				<b>Total</b>	<b>132</b>
MED315	Life Science	3					<b>264</b>
CMS 121	Computer Application in Education						