KHAZAR UNIVERSITY

Chemistry and Biology Education B.S. Program

1st Year

CODE	Fall Semester	KU	ECTS
AZLL 101	Azerbaijani language	3	6
ENGL 101	English Foundations - I	4	8
ASC 201	Azerbaijani culture and multiculturalism	3	6
BİO 101	General biology (elective)	3	6
CMS 101	İntroduction to Computer Sciense (elective)	3	6
	Credit	16	32

CODE	Spring Semester	KU	ECTS
AZH 150	Azerbaijan History	3	6
AZLL 105	Azerbaijan Literature	3	6
ENGL 102	English Foundations-2	4	8
EDU 101	Introduction to Education (Pedagogica-1)	3	6
CHEM 102	General Chemistry	3	6
	Credit	16	32

2nd Year

CODE	Fall Semester	KU	ECTS
ENGL 103	Academic English	4	8
BİO 105	Plant anatomy and morphology (Botany-1)	3	6
BİO 201	Invertebrate Zoology (Zoology-1)	3	6
BİO 215	Cytology	3	6
MATH 104	Mathematics	3	6
	Credit	16	32

CODE	Spring Semester	KU	ECTS
ENGL 216	ESP	3	6
BİO 205	Plant systematics (Botany-2)	3	6
BİO 202	Vertebrate Zoology (Zoology-2)	3	6
PHSC 115	Physics	3	6
CHEM 125	Inorganic chemistry	3	6
	Credit	15	30

3rd Year

CODE	Fall Semester	KU	ECTS
BİO 310	Human anatomy	3	6
PSYC 304	Psychology	3	6
CMS 121	ICT in education	3	6
CHEM 211	Physical chemistry-1	3	6
CHEM 233	Organic chemistry-1	3	6
	Credit	15	30

CODE	Spring Semester	KU	ECTS
BİO 225	Plant physiology	3	6
MED 315	Life Science	3	6
CHEM 245	Physical Chemistry-2	3	6
CHEM 278	Organic Chemistry-2	3	6
PHİL 110	Introduction to Philosophy (elective)	3	6
	Credit	15	30

4th Year

CODE	Fall Semester	KU	ECTS
BİO 305	Human and animal physiology	3	6
BİO 452	Biochemistry and molecular biology	3	6
EDU 302	Curriculum Assessment and Evaluation Strategies	3	6
CHEM 321	Analytical chemistry-1	3	6
BİO 402	Genetics and breeding	3	6
	Credit	15	30

CODE	Spring Semester	KU	ECTS
CHEM 372	Analytical Chemistry-2	3	6
EDU 439	Teaching Methods of Biology	3	6
EDU 431	Teaching Methods of Inorganic Chemistry	3	6
BİO 425	Biometry (elective)	3	6
PSYC 311	Social Psychology (elective)	3	6
	Credit	15	30

5th Year

CODE	Fall Semester	KU	ECTS
BİO 405	Ecology and evolutionary biology	3	6
BİO 410	Microbiology and virology	3	6
EDU 433	Teaching Methods of Chemistry-1	3	6
	Pedagogical practice -1 (passive)	6	12
	Credit	15	30

CODE	Spring Semester	KU	ECTS
CHEM 481	Didactics of Chemistry	3	6
CHEM 421	Chemical Technology	3	6
	Pedagogical practice - 2 (active)	6	12
	Credit	12	24

	* Humanity Courses List:	KU
	Humanity 1	3
	Humanity 2	3
	** Social Sciences	
	Social Science 1	3
	Social Science 2	3

	***Major Electives List:	KU	Semester
BİO 101	General Biology	3	I
BIO 220	Histology	3	I
BIO 425	Biometry	3	VIII
BIO 415	Molecular genetics	3	IV
CHEM 442	Chemical calculations	2	X
CHEM 320	Chemistry of high molecular compounds	2	X

	CREDITS	ACTS
University Requirement English	15	30
University Requirement Azeri	12	24
Humanity	6	12
Social Sciences	6	12
Science and Technology	9	18
Major Courses	94	188
Major Electives	8	16
Total credits:	150	300