

KHAZAR UNIVERSITY

Physics education B.S. Program

1st Year

CODE	Fall Semester	KU	ECTS
ENGL 101	English Foundations I	4	8
ASC 201	Azerbaijan Culture and introduction to multiculturalism	3	6
AZLL 101	Azerbaijan Language	3	6
MATH101	Calculus I	3	6
CMS 101	Introduction to computer science	3	6
	Credit	16	32

CODE	Spring Semester	KU	ECTS
ENGL 102	English Foundation II	4	8
AZH 150	Azerbaijan History	3	6
AZLL105	Azerbaijani literature	3	6
EDU 101	Introduction to education	3	6
MATH 102	Calculus II	3	6
	Credit	16	32

2nd Year

CODE	Fall Semester	KU	ECTS
ENGL 103	Academic english	4	8
PSYC 304	Basics of educational psychology	3	6
PHSC 203	Mechanics	3	6
PHSC 110	Astronomy	2	4
MATH 396	Analytic geometry and algebra	3	6
	* Humanity	3	6
	Credit	18	36

CODE	Spring Semester	KU	ECTS
ENGL 216	ESP English for special purposes	3	6
PHSC 205	Molecular physics	3	6
PHSC 207	Electricity and magnetism	3	6
MATH 310	Differential equations	3	6
	** Social Sciences	3	6
MED 315	Life Science	3	6
	Credit	18	36

3rd Year

CODE	Fall Semester	KU	ECTS
PHSC 361	Classic mechanics	2	4
PHSC 309	Optics	3	6
PHSC 311	Electrodynamics	2	4
PHSC 320	Basic concepts in physics and their teaching	2	4
	* Humanity	3	6
	Elective (major)-1	3	6
	Credit	15	30

CODE	Spring Semester	KU	ECTS
	** Social Sciences	3	6
PHSC 330	Thermodynamics and statistical physics	2	4
EDU 302	Curriculum and evaluation	3	6
	Elective (major)-2	3	6
PHSC 340	School physics experiment	2	4
	Elective (major)-3	3	6
	Credit	16	32

4rd Year

CODE	Fall Semester	KU	ECTS
CMS 202	ICT in education	3	6
PHSC 407	Quantum mechanics	3	6
PHSC 415	Atomic physics	2	4
EDU 452	Teaching methods of physics	3	6
	Credit	16	32

CODE	Spring Semester	KU	ECTS
PHSC 420	Applied physics	2	4
	Elective (major)-4	3	6
PHSC 417	Nuclear physics	2	4
	Elective (major)-5	3	6
	Credit	14	28

CODE	Practice	KU	ECTS
		3	6
EDU 407	Pedagogical practice -1	6	12
	Credit	6	12

CODE	Practice	KU	ECTS
		3	6
EDU 408	Pedagogical practice -2	6	12
	Credit	6	12

Total Credit for Graduation

132

264

	* Humanity	6			***Major Electives	KU	ECTS
FNLG202	2nd foreign language	3			ETR 211	3	6
SPH 202	Culture of speech	3			CHE 490	3	6
					PHSC 419	3	6
	** Social Sciences	6			PHSC 312	3	6
EDU 496	Classroom management	3			ETR 270	3	6
MGT 410	Organizational behavior	3			PHSC 319	3	6
					ETR 490	3	6
	Science and Technology	9			ETR 416	3	6
MATH 101	Calculus I	3			PHSC 421	3	6
CMS 101	Introduction to computer science	3			PHSC 425	3	6
MED 315	Life Science	3					
						KU	ECTS
						15	30
						12	24
						6	12
						9	18
						6	12
						84	168

						Total	132	264
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