KHAZAR UNIVERSITY

Computer Engineering B.S. Program

1st Year

CODE	Fall Semester	KU	ECTS
AZLL 101	Azerbaijan language	3	6
AZC 202	Azerbaijan Culture	2	4
ENGL 101	English Foundations 1	4	8
PHSC 111	Physics 1	3	6
MATH 10	Calculus 1	3	6
CMS 115	Computer Application in Engineering	3	6
	Credit	18	36

CODE	Spring Semester	KU	ECTS
AZH 150	Azerbaijan History	3	6
ENGL 102	English Foundations 2	4	8
PHSC 112	Physics 2	3	6
MATH 105	Calculus 2	3	6
CMS 140	Fundamentals of Computer programming	3	6
	Credit	16	32

2nd Year

CODE	Fall Semester	KU	ECTS
ENGL 216	ESP Computer Science	3	6
MATH 235	Linear Algebra and analytical geometry	3	6
CMS 205	Object Oriented Programming	3	6
CMS 220	Web & Mobile Programming 1	3	6
	* Humanity	3	6
	Credit	15	30

CODE	Spring Semester	KU	ECTS
MATH 312	Introduction to Discrete Mathematics	3	6
CMS 215	Data Structures	3	6
CMS 241	Computer Organization and system programmin	3	6
CMS 250	Web Programming 2	3	6
	* Humanity	3	6
	Credit	15	30

3rd Year

CODE	Fall Semester	KU	ECTS
MATH 310	Applied Differensial Equations	3	6
MATH 217	Probability theory and mathematical Statistics	3	6
	** Social Sciences	3	6
CMS 309	Computer Networks	3	6
CMS 316	Database Management Systems	4	8
	Credit	16	32

CODE	Spring Semester	KU	ECTS
EENG 245	Electronics	4	8
CMS 430	Software Engineering	3	6
MED 315	Life Sciences	3	6
CMS 362	Operating Systems	3	6
	***Major Electives	3	6
	Credit	16	32

CODE	Summer Semester	KU	ECTS
CMS 395	Summer Practice	6	12
	Credit	6	12

4th Year

CODE	Fall Semester	KU	ECTS
CMS 320	Microprocessors and Microcomputers	4	8
CMS 350	Computer Graphics	3	6
	***Major Electives	3	6
	** Social Sciences	3	6
	Credit	13	26

CODE	Spring Semester	KU	ECTS
CMS 363	Digital Logic	4	8
CMS 451	Information Security	3	6
	***Major Electives	3	6
	***Major Electives	3	6
	Credit	13	26

Total Credit for Graduation 128 256

	* Humanity	6			***Major Electives	KU	ECTS
FNLG 201	Foreign language 1	3		CMS 410	Cisco Certificate Network Administrator 1	3	6
HIST 110	History of World Civilizations	3		CMS 413	Network Security	3	6
FNLG 202	Foreign language 2	3		CMS 425	Soft Computing	3	6
PHIL 110	Introduction to philosophy	3		ETR 346	Telecommunication networks	3	6
LAW 220	Family Law	3		CMS 415	Artificial Intelligence	3	6
LAW 102	Law Enforcement Systems	3		CMS 440	Neural Networks	3	6
				EENG 302	Signals and Systems	3	6
	** Social Sciences	6		CMS 445	Machine Learning	3	6
MGT 310	Management and Organization	3		CMS 510	Neural Networks	3	6
LAW 220	Family Law	3		CMS 350	Computer Graphics	3	6
ECON 101	Introduction to Economics	3				KU	ECTS
LAW 102	Law Enforcement Systems	3			University Requirement English	11	22
					University Requirement Azeri	8	16
					Humanity	6	12
					Science and Technology	9	18
	Science and Technology	9			Social Sciences	6	12
MATH 10	Calculus 1	3			Major Courses	88	176
CMS 115	Computer Application in Engineering	3					
MED 315	Life Sciences	3			Total	128	256