KHAZAR UNIVERSITY

PETROLEUM ENGINEERING B.S. Program

1st Year

CODE	Fall Semester	KU	ECTS
AZH 150	Azerbaijan History	3	6
AZLL 101	Azerbaijan Language	3	6
MATH 101	Calculus_I	3	6
CHEM 111	Chemistry_I	3	6
ENGL 101	English Foundations_I	4	8
ASC 201	Azerbaijan Culture	2	4
	Credit	18	36

CODE	Spring Semester	KU	ECTS
MATH 105	Calculus_II	3	6
PHSC 111	Physics_I	3	6
CHEM 112	Chemistry_II and lab	3	6
ENGL 102	English Foundation _II	4	8
	** Social Sciences	3	6
	Credit	16	32

2nd Year

CODE	Fall Semester	KU	ECTS
MATH 231	Applied Linear Algebra	3	6
ENGL 216	ESP Petroleum Eng.	3	6
CMS	Computer application in Engineering	3	6
PHSC 212	Physics_II	3	6
PETE 202	Introduction to Petroleum Engineering	3	6
	Humanity	3	6
	Credit	18	36

CODE	Spring Semester	KU	ECTS
GEOL 203	General Geology	3	6
MATH 210	Applied Differential Equations	3	6
ENGR 213	Termodynamics	3	6
	Humanity	3	6
	Credit	12	24

3rd Year

CODE	Fall Semester	KU	ECTS
MED 315	Life Sciences	3	6
GEOL 310	Petroleum Geology and lab	3	6
PETE 302	Drilling Engineering	3	6
MATH 217	Probability theory and Mathematical Statistics	3	6
ENGR 205	Engineering Mechanics	3	6
PETE 303	Physics of Oil and Gas Reservoirs	3	6
	Credit	18	36

CODE	Spring Semester	KU	ECTS
PETE 323	Petroleum Reservoir Engineering and lab	4	8
ENGR 303	Introduction to Fluid Mechanics	3	6
PETE 318	Well Completion	3	6
MATH 343	Statistics for Petroleum Engineers and geoscientist	3	6
CMS 350	Computer Graphics	3	6
	** Social Sciences	3	6
	Credit	19	38

CODE	Summer Semester	KU	ECTS
PETE 350	Summer Practice	6	12
	Credit	6	12

4th Year

CODE	Fall Semester	KU	ECTS
PETE 402	Petroleum Production Engineering I	3	6
PETE 338	Fluid Mechanics for Petroleum Engineers	3	6
PETE 312	Well logging	3	6
	Elective (major)***	3	6
	Credit	12	24

CODE	Spring Semester	KU	ECTS
CHEM 220	Physical and Analitical Chemistry	3	6
ENV 305	Health, Safety & Environment	3	6
	Elective (major)***	3	6
	Credit	9	18

Total Credit for Graduation 128 256

	* Humanity Courses List:	6	12
PHIL 110	Philosophy	3	6
FNLG 201	Foreign Language	3	6
FNLG 202	Foreign Language	3	6
	** Social Sciences	6	12
MGT310	Management and Organization	3	6
LAW 220	Family Law	3	6
ECON 101	Introduction to Economics	3	6
LAW 106	Constutional Law	3	6
HIST 11	World Culture and History	3	6
	Science and Technology	9	18
CMS	Computer application in Engineering	3	6
MED 315	Life Science	3	6
MATH 101	Calculus_I	3	6

	***Major Electives List:	KU	ECTS
PETE 417	Petroleum Reservoir Simulation (VII)	3	6
PETE 451	Petroleum Engineering Design (VII)	3	6
PETE 415	Gas and Gas-condensate Reservoir Engineering	3	6
PETE 421	Petroleum Economics (VIII)	3	6
		KU	ECTS
	University Requirement English	11	22
	University Requirement Azeri	8	16
	Humanity	6	12
	Social Sciences	6	12
	Science and Technology	9	18
	Major Courses	88	176
	Total	128	256