

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	Thermodynamics	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	Fall Semester	KU	ECTS

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 Analytical 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:		***Major Electives List:		KU	ECTS
PHIL 110	Philosophy (PETE 417	Petroleum Reservoir Simulation (VII)	3	6
FNLG 201	Foreign Language	PETE 451	Petroleum Engineering Design (VII)	3	6
FNLG 202	Foreign Language	PETE 415	Gas and Gas-condensate Reservoir Engineering (VI)	3	6
	** Social Sciences	PETE 421	Petroleum Economics (VIII)	3	6
MGT310	Management and Organization				
LAW 220	Family Law				
ECON 101	Introduction to Economics				
LAW 106	Constitutional Law				
HIST 11	World Culture and History				
	Science and Technology				
CMS	Computer application in Engineering				
MED 315	Life Science			KU	ECTS
MATH 101	Calculus_I				
				University Requirement English	7 14
				University Requirement Azeri	6 12
				Humanity	#REF! #REF!
				Social Sciences	5 10
				Science and Technology	9 18
				Major Courses	88 176
				Total	128 256