



CURRICULUM
of Educational Program on enrolment for 2022-2023 academic year

Educational program 7M07221 - "Oil and gas geology"
Group of educational programs M-121 - "Geology"

Form of study: full-time

Duration of study: 1 year

Academic degree: Master of Engineering and Technology

Discipline code	Name of disciplines	Cycle	Total amount in credits	Total hours	Classroom amount lec/lab/pr	SIS (including TSIS) in hours	Form of control	Allocation of face-to-face training based on courses and semesters	
								1 course	
								1 semester	2 semester
CYCLE OF BASIC DISCIPLINES (BD)									
M-1. Module of basic training (university component)									
LNG212	English (professional)	BD, UC	2	60	0/0/2	30	E	2	
MNG726	Management	BD, UC	2	60	1/0/1	30	E	2	
HUM211	Management Psychology	BD, UC	2	60	1/0/1	30	E	2	
Component of choice									
GEO751	Lithology of reservoir of oil and gas	BD, CCH	4	120	2/0/1	75	E	4	
GEO752	Oil and gas hydrogeology								
CYCLE OF PROFILE DISCIPLINES (PD)									
M-2. Module of Sedimentary basin analysis(component of choice)									
GEO294	Reservoir filtration properties of reservoirs and enhanced oil recovery	PD, CCH	5	150	2/0/1	90	E	5	
GEO746	Theoretical and methodological patterns of allocation of resources and hydrocarbon reserves on the shelf and water area								
GEO263	Analysis of sedimentary basins	PD, CCH	5	150	2/0/1	105	E	5	
GEO745	Sedimentation and facies conditions during the formation of oil and gas complexes								
M-3. Module of tectonics									
GEO291	Regional tectonics of oil and gas bearing areas	PD, CCH	5	150	2/0/1	105	E	5	
GEO293	Methods of paleotectonic analysis								
M-4. Module of modeling and forecasting									
GEO295	Geo-modeling of flows and sources of oil and gas generation	PD, CCH	5	150	2/0/1	105	E	5	
GEO292	Forecasting and evaluation of oil and gas resources								
M-5. Practice-oriented module									
AAP253	Production practice	PD, CCH	5						5
M-6. Experimental research module									
AAP257	Experimental research work of a master's student, including internship and implementation of a master's project	ERWM UC	13						13
M-7. Module of final attestation									
ECA209	Registration and protection of the master's project (RaPMP)	FA	12						12
Total based on UNIVERSITY:								30	30
								60	

Number of credits for the entire period of study				
Cycle code	Cycles of disciplines	Credits		
		university component (UC)	component of choice (CCH)	Total
BD	Cycle of basic disciplines	6	4	10
PD	Cycle of profile disciplines		25	25
	<i>Total for theoretical training:</i>	0	29	35
	ERWM			13
FA	Final attestation	12		12
	TOTAL:	12	29	60

Decision of the Academic Council of Kazntu named after K.Satpayev. Protocol № 13 от "28" 04 2022г.

Decision of the Educational and Methodological Council of Kazntu named after K.Satpayev. Protocol № 4 от "26" 04 2022г.

Decision of the Academic Council of the Institute _____, Protocol № 4 от "30" 12 2021г.

Vice-Rector for Academic Affairs

Director of Geology, petroleum and mining engineering Institute

Department Head of "Hydrogeology, engineering and petroleum geology"

Specialty Council from employers

B. A. Zhautikov

A.H. Syzdykov

T.A. Yensepbayev

G.Zh. Zholtaev