

MINISTRY OF EDUCATION AND SCIENCE OF THE REPUBLIC OF KAZAKHSTAN
 NJSC «KAZAKH NATIONAL RESEARCH TECHNICAL UNIVERSITY named after K.I. SATPAYEV»

SATBAYEV UNIVERSITY



APPROVED
 Rector of KazNRTU named after K.I. Satpayev

K. Beisembetov

" " 2018 y.

CURRICULUM

Educational program "Geological Engineering"
 Specialty 6M070600 - "Geology and exploration of mineral deposits"
 for 2018-2019 academic year admission

Academic degree: master of technical sciences

Period of study: 2 years

Year of study	Code	Name of disciplines	Component	Credits	lec/lab/pr	Prerequisites						
							Code	Name of disciplines	Component	Credits	lec/lab/pr	Prerequisites
1	1st semester						2nd semester					
	GEO 286	Sedimentary basin and geodynamics	BD OC	3	1/0/2		LNG 201	English language (academic)	BD RC	3	0/0/3	
	MAT 213	Mathematical modeling of engineering problems (Python и MatLab)	BD OC	3	1/1/1		HUM 203	Pedagogy and Psychology	BD RC	3	1/0/2	
	GEO 253	Engineering geological exploration	BD OC	3	2/0/1		HUM 201	History of Philosophy and Science	BD RC	2	1/0/1	
	GEO 209	Geological modeling of mineral deposits	BD OC	3	2/1/0		GEO 242	Modern problems of geology	PD RC	2	1/0/1	
	GEO 287	Organic Geochemistry and Paleobiomarkers	PD OC	3	2/0/1		GEO 231	Basics of petrology	PD OC	3	2/1/0	
							AAP 226	The scientific-research work a master-student	ATT	2		
							AAP 225	Pedagogical practice	ATT	3		
	Total:			15			Total:			18		
2	3rd semester						4th semester					
	GEO 255	Deposits of mineral thermal water of Kazakhstan	PD OC	3	2/0/1		AAP 227	The scientific-research work a master-student	ATT	3		
	GEO 244	The structures of ore fields and deposits	PD OC	3	2/0/1		ECA 201	A comprehensive examination	FA	1		
	GEO	Operational investigation of underground waters	PD OC	3	2/0/1		ECA 203	Registration and protection of the master's thesis	FA	3		
	GEO 281	The theory of formation of oil and gas fields within platform and folded areas	PD OC	3	2/0/1							
	GPH 213	Distance sounding of Earth	PD OC	2	1/1/0							
	AAP 217	Research practice	ATT	3								
	AAP 226	The scientific-research work a master-student	ATT	2								
	Total:			19			Total:			7		
							Total:			59		

Decision of the Academic Council Satpayev University. Minutes # __, dated " __ " 20__

Decision of the Academic Council of the Institute of Geology and petroleum engineering institute named after K. Turysov. Minutes # __, dated " __ " 20__

Vice-Rector for Science _____ B. Kenzhaliyev
 Managing director for postgraduate education _____ D. Muryzbaeva
 Director of Geology and petroleum engineering institute _____ A. Syzdykov
 Head of the department "GMPEMD" _____ A. Bekbotayeva