

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



**SATBAYEV
UNIVERSITY**



APPROVED
Chairman of the Board
Rector of KazNRTU named after K. Satpaeva
Begentaev M.M.
2021 y.

MODULAR EDUCATIONAL PROGRAM for admission for the 2021-2022 academic year

Educational program 7M07207 – «Petroleum geology»

Group of educational programs MI21 – «Geology»

Form of study: daytime Study duration: 2 years Academic degree: master of Engineering Science

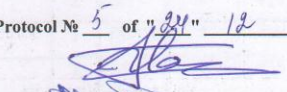
Year of study	Discipline Code	Name of disciplines	semester	Cycle	Credits	Total hours	classroom volume k / lab / pr	ISW (including ISWT) in hours	form of control	Competencies
Basic training module										
University component										
	LNG210	Foreign language (professional)	1	BD IC	5	150	0/0/3	105	E	
	HUM210	History and philosophy of science	1	BD IC	4	120	1/0/1	90	E	
	HUM209	Higher education pedagogy	2	BD IC	4	120	1/0/1	90	E	
	HUM208	Psychology of management	2	BD IC	3	90	1/0/1	60	E	
Component of choice										
	GEO299	Petroleum hydrogeology	1	BD CI	5	150	2/0/1	105	E	
	GEO704	Interpretation of geological and geophysical data for the purpose of estimating oil and gas reserves and resources	1	BD CI	5	150	2/0/1	105	E	
	GEO743	Lithology of resevoir of oil and gas	2	BD CI	5	150	2/0/1	105	E	
Profile training module										
Component of choice/University component										
	GEO742	Aerospace methods in the search for oil and gas fields	1	PD OC	5	150	2/0/1	105	E	
	GEO287	Organic Geochemistry and Paleobiomarkers	1	PD OC	5	150	2/0/1	105	E	
	GEO263	Analysis of sedimentary basins	2	PD OC	5	150	2/0/1	105	E	
	GEO703	Paleo-temperature regimes of the subsoil, the genesis and migration of hydrocarbons	3	PD OC	5	150	2/0/1	105	E	
Component of choice										
	GEO701	Geostatistics in field geological research	3	PD CO	5	150	2/0/1	105	E	
	GEO744	Regional and local modeling of the evolution of sedimentary basins	3	PD CO	5	150	2/0/1	105	E	
	GEO745	Sedimentation and facies conditions during the formation of oil and gas complexes	3	PD CO	5	150	2/0/1	105	E	
	GEO746	Theoretical and methodological patterns of allocation of resources and hydrocarbon reserves on the shelf and water area	3	PD CO	5	150	2/0/1	105	E	
	GEO292	Prediction and assessment of oil and gas resources	3	PD CO	5	152	2/0/3	107	E	
Practice-oriented module										
	AAP244	Pedagogical practice	2	BD IC	4				Report	
	AAP236	Research practice	4	PD OC	7				Report	
Science-research module										
	AAP242	Research work of a master's student, including an internship and a master's thesis	1	NIRM	6				Report	


AAP242	Research work of a master's student, including an internship and a master's thesis	2	NIRM	6				Report	
AAP242	Research work of a master's student, including an internship and a master's thesis	3	NIRM	6				Report	
AAP242	Research work of a master's student, including an internship and a master's thesis	4	NIRM	6				Report	
Final certification module									
Required component									
ECA205	Registration and defense of a master's thesis	4	IA	12				Defense of dissertations	


The number of credits for the entire period of study	
Discipline cycles	Credits
Cycle of basic disciplines (BD IC, BD OC)	35
Cycle of majors (PD OC, PS OC)	52
Total theoretical training:	87
MSSR	24
Registration and defense of a master's thesis	12
TOTAL:	123


The decision of the Academic Council of KazNRTU named after K. Satpaeva. Protocol № 3 of "25" 06 2021 y.

Decision of the Academic Council of the Institute _____, Protocol № 5 of "24" 12 2020 y.

Vice-rector for academic affairs  Zhautikov B.A.

Director of the Institute  Sydykov A.K.

Head of the Department  Yensepbaev T.A.

Representative of the Specialty Council from employers  Zholtaev G.Z.