



**Institute of Geology and Oil and Gas Business named after K. Turysov
Department of «Geological survey, prospecting and exploration of mineral deposits»**

**EDUCATIONAL PROGRAM
6B07202 Geology and exploration of mineral deposits**

Code and classification of the field of education: 6B07 Engineering, manufacturing and construction industries

Code and classification of training directions: 6B071 Engineering and Engineering affairs

Group of educational programs: B071 Mining and extraction of minerals

Level based on NQF: 6

Level based on IQF: 6

Study period: 4 years

Amount of credits:240

Almaty 2025






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"KAZAKH NATIONAL RESEARCH TECHNICAL UNIVERSITY NAMED AFTER K.I. SATBAYEV"








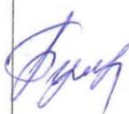
Educational program 6B07202 Geology and Exploration of Mineral Deposits was approved at the meeting of K.I. Satbayev KazNRTU Academic Council
Minutes 10 dated «06» 03 2025

Was reviewed and recommended for approval at the meeting of K.I. Satbayev KazNRTU Educational and Methodological Council
Minutes 3 dated «20» 12 2024





Educational program 6B07202 Geology and Exploration of Mineral Deposits was developed by Academic committee based on direction « B071 Mining and extraction of minerals»

Full name	Academic degree/ academic title	Position	Workplace	Signature
Chairperson of the Academic Committee:				
Zhunusov A.	Candidate of Geological and Mineralogical Sciences	Main scientific employee	K.I. Satpayev, Institute of Geological Sciences	
Teaching staff:				
Baisalova A.	PhD	Associate Professor	Kazakh National Research Technical University named after K.I. Satpayev, Non-Profit Joint Stock Company	
Baibatsha A.	Doctor of Geological and Mineralogical Sciences	Professor	Kazakh National Research Technical University named after K.I. Satpayev, Non-Profit Joint Stock Company	
Arshamov Y.	Candidate of Geological and Mineralogical Sciences	Professor	Kazakh National Research Technical University named after K.I. Satpayev, Non-Profit Joint Stock Company	
Bekbotayeva B.	PhD	Professor	Kazakh National Research Technical University named after K.I. Satpayev, Non-Profit Joint Stock Company	

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Assubayeva S.	Candidate of Geological and Mineralogical Sciences	Associate Professor	Kazakh National Research Technical University named after K.I. Satpayev, Non-Profit Joint Stock Company	
Kembayev M.	PhD	Associate Professor	Kazakh National Research Technical University named after K.I. Satpayev, Non-Profit Joint Stock Company	
Omarova G.	PhD	Associate Professor	Kazakh National Research Technical University named after K.I. Satpayev, Non-Profit Joint Stock Company	
Mamanov T.	PhD	Associate Professor	Kazakh National Research Technical University named after K.I. Satpayev, Non-Profit Joint Stock Company	
Kurmangazhina M.	PhD	Senior Lecturer	Kazakh National Research Technical University named after K.I. Satpayev, Non-Profit Joint Stock Company	
Baituha S.	PhD	Senior Lecturer	Kazakh National Research Technical University named after K.I. Satpayev, Non-Profit Joint Stock Company	
Abdullaeva T.	Master of Technical Sciences	Lecturer	Kazakh National Research Technical University named after K.I. Satpayev, Non-Profit Joint Stock Company	
Employers:				
Bulegenov K.	Master of Technical Sciences	Deputy Director	Republican State Institution "South Kazakhstan Interregional Department of Geology of the Committee of Geology of the Ministry of Industry	

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			and Construction of the Republic of Kazakhstan "Yuzhkaznedra"	
Kabaziev B.	Master of Technical Sciences	General Director	LLP "JV Kogadoy"	
Students				
Iskakova G.	-	Student	Kazakh National Research Technical University named after K.I. Satpayev, Non-Profit Joint Stock Company	
Otarbaev M.	-	Student	Kazakh National Research Technical University named after K.I. Satpayev, Non-Profit Joint Stock Company	
Kazybai A.	-	Student	Kazakh National Research Technical University named after K.I. Satpayev, Non-Profit Joint Stock Company	

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General information

№	Field name	Comments
1	Code and classification of the field of education	6B07 Engineering, manufacturing and construction industries
2	Code and classification of training directions	6B072 Industrial and manufacturing branches
3	Educational program group	B071 Mining and mineral extraction
4	Educational program name	6B07202 Geology and exploration of mineral deposits
5	Short description of educational program	Designed to carry out specialized training of bachelors in the educational program of the specialty 6B07202 Geology and exploration of mineral deposits at Satbayev University and was developed as part of the direction "Production and manufacturing industries".
6	Purpose of EP	The purpose of the educational program of the specialty 6B07202 Geology and exploration of mineral deposits is preparation of highly qualified, competitive and sought-after specialists in the labor market for geological, surveying, mining enterprises of the Republic of Kazakhstan, capable of performing design, production, technological and organizational work at industrial enterprises in the region. Geology and exploration of mineral deposits includes: areas of science, engineering and technology, covering a set of problems associated with the development of the mineral resource base, based on the study of the Earth and its subsoil with the aim of forecasting, searching, exploration, exploitation of solid, liquid and gaseous minerals, engineering and geological surveys to meet the needs of the fuel, metallurgical, chemical industries, agricultural needs, construction, assessment of the ecological condition of the territories. The training of specialists will focus on the use of AI for analyzing geological data, modeling exploration and development processes, as well as improving the accuracy of forecasting and optimizing work within the framework of sustainable development of the region's mining industry.
7	Type of EP	New EP
8	The level based on NQF	6
9	The level based on IQF	6
10	Distinctive features of EP	no
11	List of competencies of educational program	Full-time
12	Period of training	4 years
13	Amount of credits	240

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14	Languages of instruction	Kazakh, Russian, English
15	Academic degree awarded	Bachelor of Engineering and Technology
16	Developer(s) and authors	Bekbotayeva A.A., Baisalova A., Zhunusov A.A, Kembayev M.K., Dauletuly A.