



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

EDUCATIONAL PROGRAM

6B05203 Applied Geology

Code and classification of the field of education: 6B05 Natural Sciences, Mathematics and Statistics

Code and classification of training directions: 6B052 Environment

Group of educational programs: B052 Earth Science

Level based on NQF: 6

Level based on IQF: 6

Study period: 4 years

Amount of credits: 240

Almaty 2025

NON-PROFIT JOINT STOCK COMPANY
 “KAZAKH NATIONAL RESEARCH TECHNICAL UNIVERSITY NAMED AFTER K.I. SATBAYEV”






Educational program 6B05203 Applied Geology was approved at the meeting of K.I. Satbayev KazNRTU Academic Council

Minutes № 10 dated «06» 03 2025








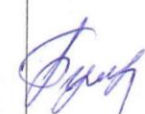
was reviewed and recommended for approval at the meeting of K.I. Satbayev KazNRTU Educational and Methodological Council

Minutes № 3 dated «20» 12 2024

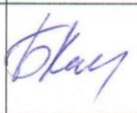



Educational program 6B05203 Applied Geology was developed by Academic committee based on direction «6B052 Environment »

Full name	Academic degree/ academic title	Position	Workplace	Signature
Chairperson of the Academic Committee:				
Zhunosov 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	

General information

№	Field name	Comments
1	Code and classification of the field of education	6B05 Natural Sciences, Mathematics and Statistics
2	Code and classification of training directions	6B052 Environment
3	Educational program group	B052 Earth Science
4	Educational program name	6B05203 Applied Geology
5	Short description of educational program	The 6B05203 Applied Geology educational program is developed based on the National Qualifications Framework, the Sectoral Qualifications Framework in Geology, and the Professional Standards for "Geological Survey, Prospecting, and Exploration of Mineral Deposits", incorporating Geoinformation Systems (GIS). The content of the 6B05203 Applied Geology educational program is based on the development of a multi-level system of personnel training, the fundamental nature and quality of education, the continuity and succession of education and science, and the unity of education, upbringing, research, and innovation. The program is aimed at maximizing the satisfaction of consumer demands.
6	Purpose of EP	The goal of the educational program is to train geologists for the new economy, capable of conducting geological studies of subsurface resources using modern information technologies on a digital platform, as well as preserving geological heritage and developing geotourism (SDG 9, 15).
7	Type of EP	Innovative EP
8	The level based on NQF	6
9	The level based on IQF	6
10	Distinctive features of EP	no
11	Education form	Full-time
12	Period of training	4 years
13	Amount of credits	240
14	Languages of instruction	Kazakh, Russian, English
15	Academic degree awarded	Bachelor of Sciences
16	Developer(s) and authors	Bekbotayeva A.A., Baisalova A., Zhunusov A.A., Kembayev M.K., Dauletuly A.

