



**K. Turysov Institute of Geology and Petroleum Engineering
Department of Hydrogeology, Engineering and Oil and Gas Geology**

**EDUCATIONAL PROGRAM
6B07211 Hydrogeology and Engineering Geology**

Education field code and classification: 6B07 Engineering,
manufacturing and construction industries

Code and classification of training directions:

6B072 Manufacturing and processing industries

Group of educational programs: B071 Mining and Mineral Extraction

NRC level: 6

ORC level: 6

Term of study: 4

Loan volume: 240

Almaty 2025

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“KAZAKH NATIONAL RESEARCH TECHNICAL UNIVERSITY NAMED AFTER K.I. SATBAYEV”
Educational program 6B07211 Hydrogeology and Engineering Geology was approved at the meeting of the Academic Council of KazNITU named after K.I.Satpayev.

Minutes No. 10 of "06" 03_2025.



Reviewed and recommended for approval at the meeting of the Teaching and Methodological Council of KazNITU named after K.I.Satpayev.

Minutes No. 3 of "20" 12_2025.

Educational Program 6B07211 Hydrogeology and Engineering Geology code and name of the educational program Developed by the Academic Committee for the Production and Manufacturing Industries track

Full name	Academic degree/ academic title	Position	Workplace	Signature
Chairperson of Academic Committee:				
Absametov M.K	Doctor of Geological and Mineralogical Engineering Sciences Professor	Director	Akhmedsafin Institute of Hydrogeology and Geology, mobile phone: +77078290161, igg.info@ail.ru	
Teaching staff:				
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Muratova S.K	Candidate of Technical Sciences	Associate Professor	KazNITU named after K.I.Satpayev, mobile phone: +77077633534, s.muratova@satbayev.university	
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Paragulgov T.K.	Candidate of Geological and mineralogical sciences	Director of geology at GIS Energy	Geological and geophysical Advisor, RAMCO OIL LLC, mobile phone: +7 7017600656	
Students				
Mukhan A.Z		4 rd student	KazNITU named after K.I.Satpayev, 2005_azat@mail.ru	

General information

№	Field name	Note
1	Code and classification of the field of education	6B07 Engineering, manufacturing and construction industries
2	Code and classification of training directions	6B072 Manufacturing and processing industries
3	Educational program group	B071 Mining and mineral extraction
4	Educational program name	6B07211 Hydrogeology and Engineering Geology
5	Short description of educational program	Hydrogeology is a science that studies the origin, occurrence, composition and movement patterns of groundwater. It also studies the interaction of groundwater with rocks, surface water and the atmosphere. Engineering geology is one of the geological sciences that studies the morphology, dynamics and regional features of the upper horizons of the Earth's crust (lithosphere) and their interaction with engineering structures (elements of the technosphere). <u>technosphere</u>) in connection with realized, current or planned economic, first of all engineering and construction activities of man.
6	Purpose of EP	Training of highly qualified, competitive and demanded in the labor market specialists capable of solving hydrogeological problems in prospecting and exploration of deposits of solid minerals, assessment of hydrogeological conditions of mining facilities during mining, including the use of geotechnological methods, identification of groundwater deposits for technical water supply of mining facilities and preparation and concentration enterprises.
7	Type of EP	production-technological; organizational and management; experimental and research; design and analysis
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	Russian , Kazakh, English
15	Academic degree awarded	Bachelor of engineering and technology
16	Developer(s) and authors	Absametov M.K., Auelkhan E.S. Alzhigitova M.M.