



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

**EDUCATIONAL PROGRAM
8D05204 Hydrogeology and geoecology**

Code and classification of the field of education: 8D05 Natural Sciences Mathematics and Statistics

Code and classification of training directions: 8D052 Environment

Group of educational programs: D088 Hydrogeology and Engineering Geology

Level based on NQF:8

Level based on IQF:8

Study period:3

Amount of credits:180

Almaty 2025




Educational program 8D05204 Hydrogeology and geoecology 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 2025 .

Educational program 8D05204 Hydrogeology and geoecology was developed by the Academic Committee in the field of "Environment"

Full name	Academic degree/ academic title	Position	Workplace	Signature
Chairman of the Academic Committee:				
Absametov M. K.	Doctor of Geological and Mineralogical Technical Sciences Professor	Director	Institute of Hydrogeology and Geoecology. Akhmedsafina, mobile phone: +77078290161, igg.info@ail.ru	
Teaching staff:				
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Zapparov M. R.	Candidate of Geological and Mineralogical Technical Sciences	Associate Professor	NCJS «Kazakh national research technical university named after K.I.Satbayev», mobile phone: +7 777 297 08 98, m.zapparov@satbayev.university	
Employers:				
Absametov Malis Kudysovich	Doctor of Geological and Mineralogical Sciences Professor	Director of the	Institute of Hydrogeology and Geoecology. Akhmedsafina, mobile phone:	

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Students				
Nurgalimova Zhansaya Sabyrovna	Doctoral student of 1 year of study 8D05202- <u>Hydrogeology and</u> <u>engineering Geology</u>		NCJS «Kazakh national research technical university named after K.I.Satbayev», mobile phone: +77083971064	

General information

№	Field name	Comments
1	Code and classification of the field of education	8D05 Natural Sciences, mathematics and Statistics
2	Code and classification of training directions	8D052 Environment
3	Educational program group	D088 Hydrogeology and engineering Geology
4	Educational program name	8D05204 Hydrogeology and geoecology
5	Short description of educational program	Hydrogeology -a science that studies the origin, conditions of occurrence, composition and patterns of underground water movement. The interaction of groundwater with rocks, surface water, and the atmosphere is also being studied. Geoecology is an interdisciplinary scientific field that combines studies of the composition, structure, properties, processes, physical and geochemical fields of the Earth's geospheres as a habitat for humans and other organisms.
6	Purpose of EP	The purpose of the Educational program is to prepare doctoral students in a specialized field with an in-depth level of professional training in the field of hydrogeology and geoecology, capable of formulating and practically solving modern scientific and practical problems, developing in them modern environmental thinking, having a knowledge base, acquiring research skills, participating in scientific events at various levels, mastering the methodology of conducting scientific research, successfully carrying out research and management activities
7	Type of EP	production and technological; organizational and managerial; experimentalresearch;
8	The level based on NQF	8
9	The level based on IQF	8
10	Distinctive features of EP	No
11	Education form	Full -time
12	Period of training	3 years
13	Amount of credits	180
14	Languages of instruction	Kazakh, Russian, English
15	Academic degree awarded	Doctor of Industry
16	Developer(s) and authors	Absametov M. K., Auelkhan Y. S.