



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

**EDUCATION PROGRAM  
8D05202 Hydrogeology and engineering geology**

Educational field code and classification: 8D05 Natural sciences,  
mathematics and statistics

Code and classification of training areas: 8D052 Environment

Group of educational programs: D088- Hydrogeology  
and engineering geology

Level of the National Curriculum: 8

Level of the SBS: 8

Duration of study: 3 years

credits : 180

**Almaty 2025**

Educational program 8 D05202 Hydrogeology and engineering degree geology approved for





Meeting of the Academic Council of the KazNTU named after K.I. Satpayev

№10 Protocol «06» 03.2025






It was considered and recommended for approval at a meeting of the Academic and Methodological Council of the KazNTU named after K.I. Satbayeva.

№ 3 Protocol «06»12.2025

Educational program 8D05202 Hydrogeology and engineering geology Developed by the academic committee in the field of "Environmental Protection".

Full name	Academic degree/ academic title	Position	Workplace	Signature
<b>Chairperson of Academic Committee:</b>				
Absametov Malis Kudysovich	Doctor of Geological Sciences	Director	"K.I.Satpayev Kazakh National Technical Research University" NJSC, mobile phone: +77078290161, igg.info@ail.ru	
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 "KAZAKH NATIONAL RESEARCH TECHNICAL UNIVERSITY NAMED AFTER K.I. SATBAYEV"

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## General information

№	Field name	Note
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	8D05202 Hydrogeology and engineering geology
5	Short description of educational program	Hydrogeology and engineering geology are scientific disciplines that study the interaction of groundwater and rocks, the chemical and physical and mechanical properties of groundwater as complex solutions and multiphase systems of rocks, as well as the processes developing in rock massifs, their properties, structure and dynamics, the rational use of the geological environment and its protection, engineering and economic, primarily related to human engineering and construction activities.
6	Purpose of EP	highly qualified specialists of the new generation in the field of hydrogeology and engineering geology, who are in demand in the labor market and are called upon to implement state programs aimed at digitizing geological and hydrogeological information of the Republic of Kazakhstan and industrial and innovative development . Training of specialists with a high professional culture, who have a civic stance, are able to formulate and practically solve modern scientific and practical problems, form modern environmental thinking in them, have a knowledge base, master scientific and research skills, participate in scientific activities at various levels, know the methodology of conducting scientific research that allows them to teach in higher educational institutions, and successfully implement research and management activities in the field of hydrogeology and engineering geology.
7	Type of EP	production and technological; organizational and managerial; experimental research : accounting, project and analytical
8	The level based on NQF	8
9	The level based on IQF	8
10	Distinctive features of EP	No
11	Education form	daytime
12	Period of training	3 years
13	Amount of credits	180
14	Languages of instruction	Russian, Kazakh, English
15	Academic degree awarded	PhD Doctor of Natural Sciences
16	Developer(s) and authors	Absametov M.K. Auelkhan B.