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 SQF: 8
Study period: 3
Amount of credits: 180

Almaty, 2026

Educational program 8D05204 Hydrogeology and geoecology was approved at the meeting of the Academic Council of KazNITU named after K.I.Satpayev.
Protocol № 5 of «10» 03 2026 year.

Reviewed and recommended for approval at the meeting of the Educational and Academic Council of K.I. Satbayev Kazakh National Research Technical University
Protocol № 8 of «26» 02 2026 year.

Reviewed and recommended for approval at the meeting of the Educational and Methodological Council of K.I. Satbayev Kazakh National Research Technical University
Protocol № 3 of «25» 12 2025 year.

Educational program 8D05204 Hydrogeology and geoecology was developed by the Academic Committee.
Protocol № 5 «19» 12 2025 year.

Passport of the educational program

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	8D052 Environment
3	Group of educational programs	D088 Hydrogeology and Engineering Geology
4	Name of the educational program	8D05204 Hydrogeology and Geoecology
5	Brief description of the 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 the OP	The goal of the educational program is to train specialized doctoral-level professionals in the field of "Hydrogeology and Geoecology"who are capable- drawing on modern scientific advancements, digital technologies, and principles of sustainable development—of independently conducting research, developing innovative solutions, and effectively addressing pressing scientific, industrial, and managerial challenges.
7	Type of OP	New EP
8	Level on NQF	8
9	Level on SQF	8
10	Special features of the educational program	No
11	Form of study	Full -time
12	Duration of study	3 years
13	Amount of credits	180
14	Languages of study	Kazakh, Russian, English
15	Academic degree awarded	Doctor of Industry
16	Developer(s) and authors:	Absametov M. K., Auelkhan Y. S.