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 based on NQF: 8
Level based on SQF: 8
Study period: 3
Amount of credits: 180

Almaty, 2026

Educational program 8D05202 Hydrogeology and engineering geology 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 8D05202 Hydrogeology and engineering geology developed by the academic committee.
Protocol № 5 «2 2 » 12 2025 year.

Educational program document

General information

No.	Name	Note
1	Education sector code and classification	8D05 Natural Sciences Mathematics and Statistics
2	Code and classification of training areas	8D052 Environment
3	Group of educational programs	D088 Hydrogeology and engineering geology
4	Name of the educational program	8D05202 Hydrogeology and engineering geology
5	Brief description of the 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	The purpose of the educational program	Training of specialists with a high level of professional culture, having a civil position, capable of formulating and practically solving modern scientific and practical problems, developing modern environmental thinking in them, having a knowledge base, acquiring research skills, participating in scientific events of various levels, owning the methodology of conducting scientific research, which allows teaching in higher educational institutions, successfully carrying out research and management activities in the field of hydrogeology and engineering geology.
7	Type of educational program	New EP
8	Level on NQF	8
9	Level on SQF	8
10	Special features of the educational program	No
11	Teaching object	daytime
12	Study period	3 years
13	Loan amount	180
14	Languages of instruction	Russian, Kazakh, English
15	Academic degree awarded	Doctor of Natural Sciences PhD
16	Developer(s) and authors:	Absametov M.K. Auelkhan B.