Institute K.I.Turysov of Geology and Oil and Gas Engineering

Department of Hydrogeology, Engineering and Petroleum Geology

EDUCATIONAL PROGRAM
Educational program 8D07206 Oil and Gas Geology

Code and classification of the field of education:	8D07 Engineering, manufacturing and construction industries
Code and classification of training directions:	8D072 Industrial and Manufacturing branches
Group of educational programs:	D121 Geology
Level based on NQF:	8
Level based on IQF:	8
Study period:	3 years
Amount of credits:	180

Almaty 2026

The Educational Program 8D07206 Oil and Gas Geology
was approved at the meeting of the Management Board of Satbayev University
Minutes No. 5 dated March 10, 2026.

Reviewed and recommended for approval at the meeting of the Educational and Academic Council of K.I. Satbayev Kazakh National Research Technical University
Minutes No. 8 dated February 26, 2026.

Reviewed and recommended for approval at the meeting of the Educational and Methodological Council of K.I. Satbayev Kazakh National Research Technical University
Minutes No. 5 dated November 27, 2025.

The 8D07206 Oil and Gas Geology educational program was reviewed and developed at a meeting of the Academic Committee.
Minutes No. 5 dated December 19, 2026

4. Passport of educational program

4.1. General information

№	Field name	Comments
1	Code and classification of the field of education	8D07 Engineering, manufacturing and construction industries.
2	Code and classification of training directions	8D072 Manufacturing and processing industries
3	Educational program group	D121 - Geology
4	Educational program name	8D07206– Geology of oil and gas
5	Short description of educational program	Training of highly qualified research specialists in the field of oil and gas geology, capable of conducting fundamental and applied research, developing new methods of prospecting, exploration and development of oil and gas fields. Deep understanding of geological processes: knowledge of the theories of formation and evolution of oil and gas basins, methods of geological exploration and characteristics of oil and gas provinces. Experience in conducting scientific research: knowledge of methods of field and laboratory research, analysis of geological data, geophysical and geochemical methods. Development and implementation of new technologies: the ability to develop and implement new technologies and methods for prospecting, exploration and development of oil and gas fields. Publication activity: the ability to publish research results in leading scientific journals and present them at international conferences. Teaching activity: the ability to teach courses on the geology of oil and gas in universities.
6	Purpose of EP	The goal of the doctoral program in 'Oil and Gas Geology' is to provide the doctoral student with a full and high-quality professional education in the field of oil and gas exploration, as well as in petroleum field geology, confirmed by the level of knowledge, skills, and competencies based on the criteria established by the state-mandated standard.
7	Type of EP	New educational program
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	Russian, Kazakh, English
15	Academic degree awarded	Doctor of Philosophy (PhD)
16	Developer(s) and authors	Yensepbayev Talgat Ablaevich Uzbekgaliev Rizakhan Khalelovich Eskozha Bazar Atashevich