NON-PROFIT JOINT STOCK COMPANY
"KAZAKH NATIONAL RESEARCH TECHNICAL UNIVERSITY named after K.I. SATBAYEV"

Institute of Geology and Oil and Gas Business named after K.Turyssov

Department of Petroleum Engineering

EDUCATIONAL PROGRAM

8D07210 Innovative Technologies of the Oil & Gas Industry

Code and classification of the field of education: 8D07 Engineering, manufacturing and construction industries
Code and classification of training areas: 8D072 Industrial and manufacturing branches
Group of educational programs: D115 Oil engineering
Level on NQF: 8
Level on SQF: 8
Period of study: 3 years
Volume of the credits: 180

Almaty 2026

The Educational Program 8D07210 Innovative Technologies of the Oil & Gas Industry was approved at the meeting of the Management Board of Satbayev University

Minutes No.5 dated 10 March, 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 26 February, 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.3 dated 25 December, 2025.

The Educational Program 8D07210 Innovative Technologies of the Oil & Gas Industry was reviewed and developed at the meeting of the Academic Committee.

Minutes No. 4 dated 09 December, 2025.

General information

№	Field name	Note
1	Code and classification of the field of education:	8D07 Engineering, manufacturing and construction industries
2	Code and classification of training areas:	8D072 Industrial and manufacturing branches
3	Group of educational programs:	D115 Oil Engineering
4	Name of the educational program	8D07210 Innovative Technologies of the Oil & Gas Industry
5	Brief description of the educational program	The educational program «Innovative Technologies of the Oil & Gas Industry» is devoted to the formation of knowledge and skills of management activities, involving the creation of a strategy for the functioning and development of large institutional structures of the state-scale industry in the oil and gas industry. Develops planning ability, responsibility for the development and results of the processes of extraction, processing and sale of finished (final) petroleum products. The subjects of professional activity of the OP are deposits and enterprises engaged in the development and operation of oil and gas fields.
6	Purpose of the EP	To provide training for highly qualified specialized specialists in the field of the oil and gas industry, capable of solving complex engineering and scientific tasks, with in-depth knowledge and practical skills in the development and implementation of innovative technologies in the oil and gas sector. The program is aimed at developing the ability to conduct independent research, create new technologies and adapt them to modern industry requirements. The program focuses on the introduction of innovative and sustainable technologies that take into account the environmental, social and economic aspects of the industry, in accordance with the International Sustainable Development Goals (SDGs).
7	EP type	Innovative EP
8	Level on NQF	8
9	Level on SQF	8
10	Distinctive features of the EP	no
11	Form of training	Full -time
12	Period of study	3
13	Volume of the credits	180
14	Language of education	Kazakh, Russian, English
15	Degree to be conferred	Doctor of Engineering (Industry)
16	Developer and author:	PhD, Associate Professor Imansakipova Nurgul