



**Geology and Oil-gas Business Institute named after K. Turyssov
Department of Chemical and Biochemical Engineering**

EDUCATIONAL PROGRAM

8D07107 Hydrocarbon engineering

Code and classification of the field of education: 8D07 Engineering, manufacturing and construction industries

Code and classification of areas of study: 8D071 Engineering and Engineering

Group of educational programs: D097 Chemical engineering and processes

Level based on NQF: 8

Level based on IQF: 8

Study period: 3 years

Amount of credits: 180

Almaty 2025

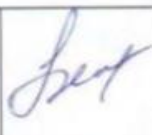


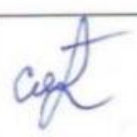

Educational program 8D07107 Hydrocarbon engineering was approved at the meeting of K.I. Satbayev KazNRTU Academic Council

Protocol №10 from «06» 03 2025y

was reviewed and recommended for approval at the meeting of K.I. Satbayev KazNRTU Educational and Methodological Council

Protocol №3 from «20» 12 2024y

Educational program 8D07107 Hydrocarbon engineering was developed by Academic committee based on direction D097 «Chemical engineering and processes»

Name	Academic degree/ academic	Post	Place of work	
Chairman of the Academic Committee:				
Selenova Bagadat Samatovna	Doctor of Chemical Sciences	Professor	Kazakh National Research Technical University named after K.I.Satpayev	
Teaching staff:				
Mangazbaeva Rauash Amantaevna	Candidate of Chemical Sciences	Associate Professor	Kazakh National Research Technical University named after K.I.Satpayev	
Aitkalieva Gulzat Slyashevna	Doctor PhD	Associate Professor	Kazakh National Research Technical University named after K.I.Satpayev	
Employers				
Seitenova Gaini Zhumagalievna	Candidate of Chemical Sciences, Associate Professor	Head of the Project Office	Petro Gas Chemical Association,	
Students:				
Bogdanova Violetta	-	Student	Kazakh National Research Technical University named after K.I.Satpayev	

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	8D071 Engineering and Engineering
3	Educational program group	D097 Chemical Engineering and Processes
4	Educational program name	8D07107 Hydrocarbon engineering
5	Short description of educational program	The educational program 8D07107 Chemical Engineering of Hydrocarbon Compounds is focused on the study of processing and deep conversion of hydrocarbon feedstocks in the oil and gas and petrochemical industries. The program covers catalytic processes, petroleum refining technologies, and modern methods of chemical engineering. Doctoral students acquire skills in conducting scientific research, modeling, and optimizing technological processes. Special attention is given to the development of innovative and environmentally efficient industrial solutions.
6	Purpose of EP	Training highly qualified and competitive specialists for national and international labor markets with fundamental knowledge, methodological competencies, and research skills in the field of oil, gas, and coal chemistry, focused on the development and implementation of innovative and environmentally friendly hydrocarbon processing technologies in line with sustainable development priorities.
7	Type of EP	new
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	Kaz, Russian and English
15	Academic degree awarded	Doctor of Philosophy PhD
16	Developer(s) and authors	Selenova B.S., Mangazbaeva R.A., Aitkalieva G.S.