



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

Education Program

7M07122 Chemical engineering of hydrocarbon compounds

Code and classification of the field of education: 7M07 Engineering, manufacturing and construction areas

Code and classification of areas of study: 7M071 Engineering

Group of educational programs: M097 Chemical engineering and processes

Уровень по НРК: 7

Уровень по ОРК: 7

Time of study: 1,5

Volume of credits: 90

Almaty 2025






Educational program 7M07122 Chemical engineering of hydrocarbon compounds was approved at the meeting of K.I. Satbayev KazNRTU Academic Council

Minutes № 10 dated «06 » 03.2025.

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

Minutes № 3 dated «20 » 12. 2024 .

Educational program 7M07122 Chemical engineering of hydrocarbon compounds was developed by Academic committee based on direction 7M071 «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	7M07 Engineering, manufacturing and construction areas
2	Code and classification of training directions	7M071 Engineering and Engineering
3	Educational program group	M097 Chemical Engineering and Processes
4	Educational program name	7M07122 Chemical engineering of hydrocarbon compounds
5	Short description of educational program	The educational program regulates the educational process for training master's students for scientific and teaching activities in the field of chemical engineering, specifically in chemical and oil and gas chemical industries. The program is designed to provide master's students with the opportunity to choose an appropriate educational trajectory that includes individual competencies reflecting the specifics of a particular specialization.
6	Purpose of EP	Training competitive and competent specialists with professional competencies and practical skills to effectively and responsibly address the tasks of organizing and managing petrochemical processes and production, with a focus on innovation implementation, enhancing resource and energy efficiency, reducing environmental impact, and contributing to the sustainable development of the industry.
7	Type of EP	OP type new
8	The level based on NQF	7
9	The level based on IQF	7
10	Distinctive features of EP	no
11	Education form	full-time
12	Period of training	1,5 years
13	Amount of credits	90
14	Languages of instruction	Kazakh, Russian, English
15	Academic degree awarded	Master of Engineering
16	Developer(s) and authors	Selenova B.S, Mangazbayeva R.A, Aitkaliyeva G.S