



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

**EDUCATIONAL PROGRAM**

**7M07142 CHEMICAL TECHNOLOGY OF ORGANIC SUBSTANCES**

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

Level based on NQF: 7

Level based on IQF: 7

Time of study: 2 years

Volume of credits: 120

**Almaty 2025**






Educational program 7M07142 Chemical Technology of Organic substances 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 7M07142 Chemical Technology of Organic substances was developed by Academic committee based on direction M097 «Chemical engineering and processes»

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

### General information

NON-PROFIT JOINT STOCK COMPANY  
“KAZAKH NATIONAL RESEARCH TECHNICAL UNIVERSITY NAMED AFTER K.I. SATBAYEV”

<b>№</b>	<b>Field name</b>	<b>Comments</b>
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	7M07142 Chemical technology of organic substances
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	Formation of general cultural, professional, and specialized competencies based on the scientific school of the national research university to ensure the training of competitive specialists for organic and petrochemical synthesis enterprises and for teaching activities in universities, capable of implementing environmentally safe and resource-saving technologies, promoting sustainable production and education, and addressing the current challenges of sustainable development.
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	2 years
13	Amount of credits	120
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