



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

**EDUCATION PROGRAM**

**8D07116 CHEMICAL TECHNOLOGY OF ORGANIC  
SUBSTANCES AND MATERIALS**

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

Уровень по НРК: 8

Уровень по ОРК: 8

Year of study: 3 years

Credits: 180

**Almaty 2025**

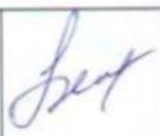


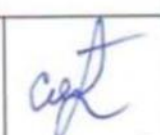

The educational program 8D07116 Chemical technology of organic substances and materials was approved at the meeting of the Scientific Council of KazNTU named after K.I.Satpayev

Protocol №10 from «06» 03 2025y

Reviewed and recommended for approval at a meeting of the Educational and Methodological Council of K.I.Satpayev KazNTU

Protocol №3 from «20» 12 2024y

The educational program D07116 Chemical technology of organic substances and materials was developed by the academic committee in the direction D097 «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

№	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	8D07116 Chemical technology of organic substances and materials
5	Short description of educational program	The educational program regulates the educational process for training doctoral 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 highly qualified scientific and industrial personnel with systemic knowledge, research skills, and innovative thinking, capable of developing and implementing sustainable, resource-efficient, and environmentally safe technologies for the processing of hydrocarbon and organic raw materials, in accordance with the current demands of the chemical industry and the principles of the SDGs, including sustainable consumption, environmental protection, infrastructure development, and energy efficiency.
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	Kazakh, Russian, English
15	Academic degree awarded	Doctor of Engineering (Industry)
16	Developer(s) and authors	Selenova B.S., Mangazbaeva R.A., Aitkalieva G.S.