



**Mining and Metallurgical Institute named after O.A. Baikonurov
Department of Chemical Processes and Industrial Ecology**

EDUCATIONAL PROGRAM

7M07110 Chemical processes and production of chemical materials

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

Code and classification of training directions: **7M071 Engineering and engineering affairs**

Group of educational programs: **M097 Chemical Engineering and Processes**

Level based on NQF: **7**

Level based on IQF: **7**

Study period: **2**










Amount of credits: **120**

Almaty 2025

Educational program «7M07110 Chemical processes and production of chemical materials» was approved at the meeting of K.I. Satbayev KazNRTU Academic Council Minutes # 10 dated «06» March 2025.

was reviewed and recommended for approval at the meeting of K.I. Satbayev KazNRTU Educational and Methodological Council Minutes # 3 dated «20» December 2025.

Educational program «7M07110 Chemical processes and production of chemical materials» was developed by Academic committee based on direction «7M071 Engineering and engineering affairs»

Full name	Academic degree/ academic title	Position	Workplace	Signature
Chairperson of Academic Committee:				
Kubekova Sholpan	Candidate of Technical Sciences, Associate Professor	Head of the Department of Chemical Processes and Industrial Ecology	NPJSC “K.I. Satbayev KazNRTU”, +77085673291	
Teaching staff:				
Kapralova Victoria	Doctor of Technical Sciences, Associate Professor	Professor	NPJSC “K.I. Satbayev KazNRTU”, +77718526879	
Kalenova Aizhan	Candidate of Chemistry	Associate Professor	NPJSC “K.I. Satbayev KazNRTU”, +77766973311	
Raimbekova Ainur	PhD	Associate Professor	NPJSC “K.I. Satbayev KazNRTU”, +77017780105	
Employers:				
Arynov Kazhmukhan	Doctor of Technical Sciences, Professor	Director	LLP Innovative Research and Technology, +77028238721	
Kenzhebayeva Akmaral	-	Chief Quality Manager	Mineral fertilizer plant Kazphosphate LLP, +77078869014	
Students				
Ibraimova Gulnur		Doctoral student	NPJSC “K.I. Satbayev KazNRTU”, +77772758818	
Tolegen Sabyrzhan		Master student	NPJSC “K.I. Satbayev KazNRTU”, +77085279179	
Gauan Sher khan		Student	NPJSC “K.I. Satbayev KazNRTU”, +77055141116	

General information

№	Field name	Comments
1	Code and classification of the field of education	7M07 Engineering, manufacturing and construction industries
2	Code and classification of training directions	7M071 Engineering and engineering affairs
3	Educational program group	M097 Chemical Engineering and Processes
4	Educational program name	7M07110 Chemical processes and production of chemical materials
5	Short description of educational program	The EP "7M07110 Chemical Processes and Production of Chemical Materials" is implemented by KazNTRU named after K.I. Satbayev in the direction of 7M071 training - Engineering and engineering affairs (Master) and presents a system of documentation regulating the goals, expected results, content and implementation of the educational process in the field of chemical engineering and the production of chemical materials.
6	Purpose of EP	Training of highly qualified, competitive specialists who are able to engage in pedagogical activities using modern educational methods, conduct and generalize experimental research and develop a scientific approach in the implementation of professional tasks from the standpoint of modern technical solutions in the field of environmentally friendly processes for the production of new chemical materials.
7	Type of EP	New EP
8	The level based on NQF	7
9	The level based on IQF	7
10	Distinctive features of EP	Double diploma
11	Education form	Full-time
12	Period of training	2 year
13	Amount of credits	120 credits
14	Languages of instruction	Russian, Kazakh, English
15	Academic degree awarded	Master of Technical Sciences
16	Developer(s) and authors	Kubekova Sh.N., Kapralova V.I., Kalenova A.S., Raimbekova A.S.