



Mining and Metallurgical Institute named after O.A. Baikonurov

Department «Metallurgy and Mineral Processing»

EDUCATIONAL PROGRAM

7M07233 Metallurgical Engineering

Code and classification of the field of education:	7M07 Engineering, manufacturing and construction industries
Code and classification of training directions:	7M072 Industrial and manufacturing branches
Group of educational programs:	M117 Metallurgical Engineering
Level based on NQF:	7
Level based on IQF:	7
Study period:	1,5 years
Amount of credits:	90

Almaty 2025


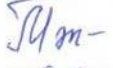



The educational program 7M07233 Metallurgical Engineering was approved at the meeting of K.I. Satbayev KazNRTU Academic Council

Protocol № 4 dated «12» 12 2024.

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

Protocol № 3 dated «20» 12 2024.

Educational program 7M07233 Metallurgical Engineering was developed by Academic committee based on direction of 7M072 Industrial and manufacturing branches

Full name	Academic degree/ Academic title	Position	Workplace	Signature
Chairperson of Academic Committee:				
Barmenshinova M.B.	c.t.s., associate professor	Head of the Department of MaMP	KazNITU named after K.I. Satpaeva	
Teaching staff:				
Moldabayeva G.Zh.	c.t.s., associate professor	Professor of the Department of MaMP	KazNITU named after K.I. Satpaeva	
Ussoltseva G.A.	c.t.s	Associate professor of the Department of MaMP	KazNITU named after K.I. Satpaeva	
Teaching staff:				
Ospanov E.A.	d.t.s.	Head of Department of complex processing of technogenic raw materials	Kazakhmys Holding LLP	
Students:				
Sagyndyk A.N.	bachelor of engineering and technology	2nd year master's student	«Kaz Minerals» LLP	

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	7M072 Industrial and manufacturing branches
3	Educational program group	M117 Metallurgical Engineering
4	Educational program name	7M07233 Metallurgical engineering
5	Short description of educational program	A specialized educational program focused on the industrial need for personnel, including experimental and production activities in the field of metallurgy; including training in highly efficient processes and technologies for the production of non-ferrous, rare and radioactive metals and their compounds, as well as innovative materials based on them; recycling of secondary raw materials, increasing energy, resource conservation and environmental safety in non-ferrous metallurgy. The program focuses on innovative and environmentally friendly solutions that ensure the sustainable development of the metallurgical industry.
6	Purpose of EP	Formation of personnel for the innovative metallurgy economy, covering modern energy-saving technologies, design activities, innovative solutions, entrepreneurship in the high-tech field of mineral processing, training of highly qualified specialists for the metallurgical industry, capable of developing and implementing innovative, resource-saving and environmentally friendly technologies in accordance with the goals of sustainable development.
7	Type of EP	New
8	The level based on NQF	7
9	The level based on IQF	7
10	Distinctive features of the EP	No
11	Education form	Full-time
12	Period of training	1,5 year
13	Amount of credits	90
14	Languages of instruction	Kazakh, Russian, English
15	Academic degree awarded	Master of Engineering and Technology
16	Developer and author:	Barmenshinova M.B.