



**SATBAYEV
UNIVERSITY**

Mining and Metallurgical Institute named after O.A. Baikonurov

Department of Metallurgy and Mineral Processing

EDUCATIONAL PROGRAM

7M07232 Extractive metallurgy

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


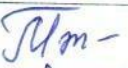



The educational program 7M07232 Extractive metallurgy was approved at the meeting of K.I. Satbayev KazNRTU Academic Council

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 7M07232 Extractive metallurgy 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	K.I. Satbayev KazNRTU	
Teaching staff:				
Moldabayeva G.Zh.	c.t.s., associate professor	Professor of the Department of MaMP	K.I. Satbayev KazNRTU	
Ussoltseva G.A.	c.t.s.	Associate professor of the Department of MaMP	K.I. Satbayev KazNRTU	
Employers:				
Ospanov Y.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	2 nd 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	7M07232 Extractive Metallurgy
5	Short description of educational program	The educational program Extractive Metallurgy includes industry-specific, priority, fundamental, natural science, general engineering, practice-oriented and professional training of masters in the field of extractive metallurgy, aimed at modern, complex, resource-saving, lean and sparing processing of raw materials and production of products with increased added value, to obtain energy-generating metals in accordance with with an atlas of new professions, production requests and trends in the global metals market.
6	Purpose of EP	Formation of knowledge about the sustainable development of extractive metallurgy, technology transformation, extraction of strategic, energy-generating metals, and the production of advanced high-grade commercial products from metallurgical raw materials.
7	Type of EP	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 and Technology
16	Developers and authors:	Chepushtanova T.A., Barmenshinova M.