



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

**EDUCATIONAL PROGRAM
6B07116 Technology of main industries and new materials**

Code and classification of the field of education: **6B07 Engineering, manufacturing and construction industries**

Code and classification of training directions: **6B071 Engineering and engineering affairs**

Group of educational programs: **B060 Chemical Engineering and Processes**

Level based on NQF: **6**

Level based on IQF: **6**

Study period: **4**










Amount of credits: **240**

Almaty 2025

Educational program 6B07116 Technology of main industries and new 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 «6B07116 Technology of main industries and new materials» was developed by Academic committee based on direction «6B071 Engineering and engineering affairs»

Full name	Academic degree/ academic title	Position	Workplace	Signature
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General information

№	Field name	Comments
1	Code and classification of the field of education	6B07 Engineering, manufacturing and construction industries
2	Code and classification of training directions	6B071 Engineering and engineering affairs
3	Educational program group	B060 Chemical Engineering and Processes
4	Educational program name	6B07116 Technology of main industries and new materials
5	Short description of educational program	<p>The educational program is a set of documents developed by the Kazakh National Research Technical University named after K.I. Satbayev. The EP takes into account the needs of the regional labor market, the requirements of state bodies and relevant industry requirements. EP is based on the state compulsory standards of higher and postgraduate education.</p> <p>EP defines program educational goals, student learning results, necessary conditions, content and technologies for the implementation of the educational process, assessment and analysis of the quality of students during training and after graduation.</p> <p>EP includes curriculum, discipline content and learning outcomes and other materials to ensure quality education for students.</p>
6	Purpose of EP	Training for first-level specialists capable of implementing existing technologies, designing, experimental work, operating equipment, participating in solving problems of large-scale transition, management, operation, optimization and modernization of industrial chemical and technological production, processes and devices, which determine the innovative development of scientific and technological progress and the improvement of the standard of living of society.
7	Type of EP	New
8	The level based on NQF	6
9	The level based on IQF	6
10	Distinctive features of EP	No
11	Education form	full-time
12	Period of training	4
13	Amount of credits	240
14	Languages of instruction	Russian, Kazakh, English
15	Academic degree awarded	Bachelor of Engineering and Technology
16	Developer(s) and authors	Kubekova Sh., Kapralova V., Kalenova A., Raimbekova A.