



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

**EDUCATIONAL PROGRAM
8D05201 Bioecological engineering**

Code and classification of the field of education: **8D05 Natural Sciences,
Mathematics and Statistics**

Code and classification of training directions: **8D052 Environment**

Group of educational programs: **D087 Environmental protection technology**

Level based on NQF: **8**

Level based on IQF: **8**

Study period: **3**








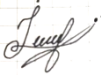

Amount of credits: **180**

Almaty 2025

Educational program «8D05201 Bioecological engineering» 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 «8D05201 Bioecological engineering» was developed by Academic committee based on direction «8D052 Environment»

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	8D05 Natural Sciences, Mathematics and Statistics
2	Code and classification of training directions	8D052 Environment
3	Educational program group	D087 Environmental protection technology
4	Educational program name	8D05201 Bioecological engineering
5	Short description of educational program	The educational program is a set of documents developed by the Kazakh National Research Technical University named after K.I. Satbayev. EP is based on the state compulsory standard of higher and postgraduate education. EP includes goals and objectives, curriculum and content of disciplines, training results of EP and key competencies of the graduate, as well as other materials to ensure quality education.
6	Purpose of EP	Training of highly qualified specialists with fundamental educational, methodological and research training in the field of bioecological
7	Type of EP	New EP
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
13	Amount of credits	180
14	Languages of instruction	Russian, Kazakh, English
15	Academic degree awarded	Doctor of Philosophy (PhD)
16	Developer(s) and authors	Kubekova Sh.N., Yelikbayev B.K., Nurmakova S.M.