Mining and Metallurgical Institute named after O.A. Baikonurov
Mine Surveying and Geodesy department

THE EDUCATIONAL PROGRAM
8D07306 Geospatial digital Engineering

Code and classification of the field of education: **8D07 Engineering, manufacturing and construction industries**
Code and classification of training areas: **8D073 Architecture construction**
Group of educational programs: **D123 Geodesy**
Level based on NQF: 8
Level based on IQF: 8
Study period: 3 years
Amount of credits: 180

Almaty 2026

The Educational Program 8D07306 Geospatial digital Engineering was approved at the meeting of the Management Board of Satbayev University
Minutes No. 5 dated 10.03, *2026*.

Reviewed and recommended for approval at the meeting of the Educational and Academic Council of K.I. Satbayev Kazakh National Research Technical University
Minutes No. 8 dated 26.02, *2026*.

Reviewed and recommended for approval at the meeting of the Educational and Methodological Council of K.I. Satbayev Kazakh National Research Technical University
Minutes No. 3 dated 25.12, *2025*.

The Educational Program 8D07306 Geospatial digital Engineering in the direction of «Architecture and Civil engineering» was reviewed and developed at the meeting of the Academic Committee.
Minutes No. 1 dated 12.01, 2026.

4.1. General information

№	Field name	Comments
1	Code and classification of the field of education	8D07 Engineering, manufacturing and construction industries
2	Code and classification of training directions	8D073 Architecture construction
3	Educational program group	D123 Geodesy
4	Educational program name	8D07306 Geospatial Digital Engineering
5	Short description of educational program	Training of scientific, technical and engineering personnel with world-class competencies in the field of digital technologies based on the integration of fundamental physical-mechanical and practice-oriented engineering education with research and development for geodesy, cartography, geoinformatics, land management and surveying.
6	Purpose of EP	Purpose is create an effective system for training scientific, pedagogical specialists of a new formation, capable of solving issues of improving society, economy, production, science and development of new technologies in the field of geodesy, geospatial digital engineering based on the integration of education and science.
7	Type of EP	New EP
8	The level based on NQF	8
9	The level based on SQF	8
10	Distinctive features of EP	No
11	Education form	Full-time
12	Period of training	3 years
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	Senior Lecturer, Master of Technical Sciences Nukarbekova Zh.M.