Institute of Architecture and Construction named after T.K. Basenov
Department of Construction and Building Materials

EDUCATIONAL PROGRAM

8D07312 – Innovative Technologies in Transport Construction

Code and classification of the field of education:
8D07 Engineering, Manufacturing and Construction Industries
Code and classification of training areas:
8D073 Architecture and Construction
Group of educational programs:
D126 Transport Construction
NQF level: 8
EQF level: 8
Duration of study: 3 years
Total credits: 180

Almaty 2026

The Educational Program 8D07312 – Innovative Technologies in Transport Construction
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 8D07312 – Innovative Technologies in Transport Construction was reviewed and developed at the meeting of the Academic Committee.

Minutes No. __2_ dated ___29.11__ , 2025_.

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 and Construction
3	Educational program group	D126 Transport Construction
4	Educational program name	8D07312 – Innovative Technologies in Transport Construction
5	Short description of educational program	The educational program **8D07312 – Innovative Technologies in Transport Construction** is aimed at training highly qualified specialists in the design, construction, operation, and modernization of transport infrastructure facilities. The program includes advanced study of transport systems theory and practice, materials science, engineering geodesy, construction management, and modern technologies in transport construction. Doctoral students conduct research focused on developing new methods and technologies, improving the efficiency of transport processes, and enhancing infrastructure sustainability and safety. A key component of the program is the completion of original scientific research addressing актуal challenges in transport construction, followed by the defense of a doctoral dissertation.
6	Purpose of EP	The goal of the educational program 8D07312 "Innovative Technologies in Transport Construction" is to train highly qualified specialists capable of conducting scientific research and developing innovative solutions in the design, construction, operation, and modernization of transport infrastructure. The program includes the implementation of inclusive education, the use of digital technologies, the adaptation of educational resources and methods, as well as the integration of the Sustainable Development Goals (SDGs) to create accessible and sustainable transport systems.
7	Type of EP	Acting 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	Kaipova A.K., Kurmanova Sh.K.