



Institute of «Architecture and Construction named after T.K. Basenov»

Department of «Engineering systems and networks»

EDUCATIONAL PROGRAM

7M07304 «Engineering systems and networks»

Code and name of educational program

Code and classification of the field of education: **7M07 Engineering, manufacturing and civil engineering**

Code and classification of training directions: **7M073 Architecture and civil engineering**

Group of educational programs: **M127 Engineering systems and networks**

Level based on NQF: **7**

Level based on IQF: **7**

Study period: **2 years**

Amount of credits: **120**

Almaty 2025





Educational program 7M07304 "Engineering systems and networks" was approved
code and name of educational program
at the meeting of K.I. Satbayev KazNRTU Academic Council



Minutes №10 dated «06» 03 2025.

was reviewed and recommended for approval at the meeting of K.I. Satbayev KazNRTU Educational and Methodological Council

Minutes №3 dated «20» 12 2024.

Educational program 7M07304 «Engineering systems and networks» was
code and name of educational program
developed by Academic committee based on direction «Architecture and civil engineering».

Full name	Academic degree/ academic title	Position	Workplace	Signature
Teaching staff:				
Alimova Kulyash Kabpasovna	Candidate of Technical Sciences	Head of Departme nt	NPJSC «Kazakh National Research Technical University named after K.I.Satbayev», department "Engineering systems and networks"	
Khalkhabai Bostandyk	Candidate of Technical Sciences, docent	Associate professor	NPJSC «Kazakh National Research Technical University named after K.I.Satbayev», department "Engineering systems and networks"	
Khoishiev Amirkhan Nurdinuly	Candidate of Technical Sciences	Associate professor	NPJSC «Kazakh National Research Technical University named after K.I.Satbayev», department "Engineering systems and networks"	
Employers:				
Zhumartova Aliya Yelshibekovna		Director	LLP "SRC Ekozhobalau"	

Students				
Kabaev Batyrkhan		Student	3rd course, EP ESaN	
Baikenes Asylan		Master's student	2nd course, EP ESaN	

General information

№	Field name	Comments
1	Code and classification of the field of education	7M07 «Engineering, manufacturing and civil engineering»
2	Code and classification of training directions	7M073 «Architecture and civil engineering»
3	Educational program group	M127 «Engineering systems and networks»
4	Educational program name	7M07304 «Engineering systems and networks»
5	Short description of educational program	<p>Within the framework of the Master's degree specialty, the university independently develops various educational programs in accordance with the National Qualification Framework, professional standards and agreed with the Dublin descriptors and the European Qualification Framework.</p> <p>Educational programs should be focused on learning outcomes.</p> <p>Dublin descriptors, which are a description of the level and scope of knowledge, skills, skills and competencies acquired by undergraduates upon completion of the educational program of each level (stage) of higher and postgraduate education, are based on learning outcomes, formed competencies, as well as the total number of ECTS credit (credit) units.</p> <p>The structure of the Master's degree program is formed from various types of educational and scientific work that determine the content of education, and reflects their relationship, measurement and accounting.</p>
6	Purpose of EP	<p>The purpose of the educational program is to achieve the provision of high quality educational services in the field of postgraduate education, leadership in the national space for training personnel under the educational program 7M07304 «Engineering Systems and Networks» (scientific and pedagogical direction) through the implementation of the principles of the Bologna process and modern quality standards.</p>
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	2
13	Amount of credits	120
14	Languages of instruction	Kazakh, russian, english
15	Academic degree awarded	Master of Technical Sciences
16	Developers and authors	Alimova K.K., Berdali M.N., Tlesh D.A.