



**Institute of Automation and Information Technology
Department of Higher Mathematics and Modeling**

EDUCATIONAL PROGRAM

7M06105 CYBERNETICS AND ARTIFICIAL INTELLIGENCE

Code and classification of the field of education: 7M06 Information and
Communication Technology

Code and classification of training directions: 7M061 Information and
Communication Technology

Group of educational programs: M094 Information Technologies

Level based on NQF:7

Level based on IQF:7

Study period: 2 years

Amount of credits:120

Almaty 2025








Educational program 7M06105 – «Cybernetics and Artificial Intelligence» approved at the meeting of the Academic Council of KazNRTU named after K.I. Satpayev.

Protocol No.10 of "06" March 2025 year.

Considered and recommended for approval at the meeting of the Educational-Methodical Council of KazNRTU named after K.I. Satpayev.

Protocol No. 3 of "20" December 2024 year.

Educational program 7M06105 – «Cybernetics and Artificial Intelligence» developed by the academic committee for the direction 7M061 "Information and communication technologies".

Name and surname.	Degree Academic title	Position	Place of work	Sign
Chairman of the Academic Committee:				
Tulesheva Gulnara Alipovna	Candidate of Physical and Mathematical Sciences, Associate Professor	Head of Department	KazNRTU named after. K.I. Satpayev	
Academic Committee members:				
Sakabekov Auzhan Sakabekovich	Doctor of Physical and Mathematical Sciences, Professor	Professor	KazNRTU named after. K.I. Satpayev	
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Azhibekova Aliya Saparbekovna		Senior Lecturer	KazNRTU named after. K.I. Satpayev	
Employers:				
Viktor Valerievich Verbovskiy	Doctor of Physical and Mathematical Sciences, Professor	Deputy General Director for Science	RSE "Institute of Mathematics and Mathematical Modeling"	
Students:				
Zharykov Malik Nurlanovich		Master's student	KazNRTU named after. K.I. Satpayev	

General information

№	Field name	Comments
1	Code and classification of the field of education	7M06 Information and Communication Technology
2	Code and classification of training directions	7M061 Information and Communication Technology
3	Educational program group	M094 Information Technology
4	Educational program name	7M06105 Cybernetics and Artificial Intelligence
5	Short description of educational program	<p>The educational program (EP) of higher professional education ensures the implementation of the state educational standard, taking into account the type of higher educational institution, educational needs and requests of students and includes a working curriculum, syllabuses (working programs of training courses), disciplines (modules) and other materials that ensure the quality of training of students.</p> <p>The main idea of the educational program is to implement a continuous process of training a new generation of professional personnel capable of working to transform the new scientific potential of Kazakhstan from raw materials to innovation through the development and implementation of sustainable trends in the field of digital service and operational services.</p> <p>The uniqueness of the EP "Cybernetics and Artificial Intelligence" is determined by the competencies that a master's student who has completed his education under this program possesses.</p>
6	Purpose of EP	The curriculum program is created with the focus on training competitive professionals in computer science and information technologies, which will possess the valuable knowledge in such future technologies as artificial intelligence and hence will be distinguished on the international IT market.
7	Type of EP	new EP
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 years
13	Amount of credits	120
14	Languages of instruction	Kazakh, Russian, English
15	Academic degree awarded	Master of Technical Sciences
16	Developer(s) and authors	Lukpanova L.H., Tulesheva G.A.

