



**Institute of «Automation and Information Technology»
Department «Robotics and Engineering Tools of Automation»**

**EDUCATIONAL PROGRAM
7M07106 – «Biomedical Engineering»**

Code and classification of the field of education:

7M07 – «Engineering, manufacturing and construction industries»

Code and classification of training directions:

7M071 – «Engineering and engineering trades»

Group of educational programs:

M102 – «Robotics and mechatronics»

Level based on NQF: **7**

Level based on IQF: **7**

Study period: **2 year**

Amount of credits: **120**

Almaty 2025

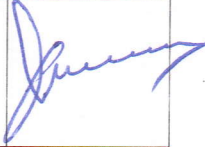
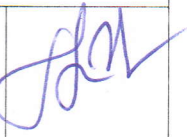

Educational program 7M07106 «Biomedical Engineering» was approved at the meeting of K.I. Satbayev KazNRTU Academic Council

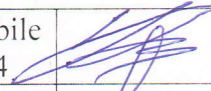
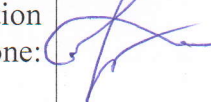
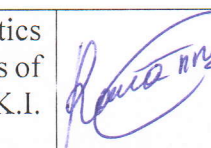
Minutes #10 dated 06.03.2025

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 7M07106 «Biomedical Engineering» was developed by Academic committee based on direction 7M071 «Engineering and engineering trades»

Full name	Academic degree/ academic title	Position	Workplace	Signature
Chairperson of Academic Committee:				
Baktybaev Murat Kyrgyzbaevich	Candidate of Physical and Mathematical Sciences	Associate Professor	Department of «Robotics and Engineering Tools of Automation», K.I. Satbayev KazNRTU	
Teaching staff:				
Ozhikenov Kassymbek Adilbekovich	Candidate of Technical Sciences	Professor, Head of the Department	Department of «Robotics and Engineering Tools of Automation», K.I. Satbayev KazNRTU	
Berdibayeva Gulmira	Ph.D.	Associate professor of the department	Department of «Robotics and Engineering Tools of Automation», K.I. Satbayev KazNRTU	
Kurmangaliyeva Lazzat	Candidate of technical sciences	Associate professor of the department	Department of «Robotics and Engineering Tools of Automation», K.I. Satbayev KazNRTU	
Alimbaev Chingiz Abdraimovich	Ph.D.	Associate professor of the department	Department of «Robotics and Engineering Tools of Automation», K.I. Satbayev KazNRTU	
Bigaliyeva Zhanar Serykhanovna	Master of Technical Sciences	Senior lecturer of the department	Department of «Robotics and Engineering Tools of Automation», K.I. Satbayev KazNRTU	
Employers:				
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Temirlan Yergaliuly		Head	LLP "Corporation Saiman", mobile phone: +77002504323	
Students				
Nazarova Rauanna	1st year Master's student	7M07106 «Biomedical Engineering»	Department of «Robotics and Engineering Tools of Automation», K.I. Satbayev KazNRTU	

General information

№	Field name	Comments
1	Code and classification of the field of education	7M07 – «Manufacturing and processing industries»
2	Code and classification of training directions	7M071 – «Engineering and engineering trades»
3	Educational program group	M102 – «Robotics and mechatronics»
4	Educational program name	7M07106 – «Biomedical Engineering»
5	Short description of educational program	Training of specialists in the field of medical and environmental equipment and technologies, the creation and maintenance of tools for diagnosis, treatment, rehabilitation and prevention of human diseases and development of software for solving problems of medical and biological practice.
6	Purpose of EP	The purpose of the educational program is training highly qualified specialists in biomedical engineering capable of applying modern technologies and sustainable development methods, ensuring the digitalization of biomedical equipment, environmental safety, and the integration of innovative solutions into healthcare
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 year
13	Amount of credits	120
14	Languages of instruction	russian, kazakh, english
15	Academic degree awarded	Master of Technical Sciences
16	Developer and author	Ozhikenov K.A.