



**Institute of Automation and Information Technology**  
**Department of "Cybersecurity, information processing and Storage"**

**EDUCATIONAL PROGRAM**  
**6B06301 INFORMATION SECURITY**

Code and classification of the field of education: 6B06 Information and communication technologies.

Code and classification of training directions: 6B063 Information security

Group of educational programs: B058 Information Security

Level based on NQF: 6

Level based on IQF: 6

Study period: 4

Amount of credits: 240

**Almaty 2025**

Educational program 6B06301 Information security was approved at the meeting of K.I. Satbayev KazNRTU Academic Council  
Minutes No 10 dated «06» 03 2025.

was reviewed and recommended for approval at the meeting of K.I. Satbayev KazNRTU Educational and Methodological Council  
Minutes No. 3 dated « 20 » 12 2024.

Educational program 6B06301 Information security was developed by Academic committee based on direction 6B06301 Information security

Full name	Academic degree/ academic title	Position	Workplace	Signature
<b>Chairperson of Academic Committee:</b>				
Pokusov Viktor Vladimirovich		Chairman	Kazakhstan Information Security Association	
<b>Teaching staff:</b>				
Aitkhozhayeva Yevgeniya Zhamalkhanovna	Candidate of Technical Sciences, Associate Professor	Professor	NJSC “K. I. Satbayev Kazakh National Research Technical University”	
Rakhmetulayeva Sabina Batyirkhanovna	PhD	Professor	NJSC “K. I. Satbayev Kazakh National Research Technical University”	
Satybaldiyeva, Ryskhan Zhakanovna	Candidate of Technical Sciences	Associate Professor	NJSC “K. I. Satbayev Kazakh National Research Technical University”	
Serbin Vassiliy Valerievich	Candidate of Technical Sciences	Associate Professor	NJSC “K. I. Satbayev Kazakh National Research Technical University”	
Zhumagaliyev Birzhan Izimovich	Candidate of Technical Sciences, Associate Professor	Associate Professor	NJSC “K. I. Satbayev Kazakh National Research Technical University”	
Alimseitova Zhuldyz Keneskhanovna	PhD	Associate Professor	NJSC “K. I. Satbayev Kazakh National Research Technical University”	
Yubuzova Khalicha Ibragimovna	PhD	Associate Professor	NJSC “K. I. Satbayev Kazakh National Research Technical University”	
<b>Employers:</b>				
Mamyrbayev Orken Zhumazhanovich	PhD, Associate Professor	Deputy General Director	RSE “Institute of Information and Computing	

NON-PROFIT JOINT STOCK COMPANY «KAZAKH NATIONAL RESEARCH TECHNICAL UNIVERSITY  
named after K.I.SATBAYEV»

				Technologies”	
Konysbayev Tuyakuly	Amret	Candidate of Physical and Mathematical Sciences	President	Association of Innovative Companies of the SEZ “PIT”	
Batyrgaliev Bolatkanovich	Askhat	PhD, Associate Professor	Border Service of the National Security Committee, Counterintelligence	Military Unit No. 01068	
<b>Students</b>					
Abilkayyrova Serikkyzy	Alina		3rd-year student	NJSC “K. I. Satbayev Kazakh National Research Technical University”	
Elle Venera			1st-year doctoral student	NJSC “K. I. Satbayev Kazakh National Research Technical University”	

## General information

№	Field name	Note
1	Code and classification of the field of education	6B06 Information and communication technologies
2	Code and classification of training directions	6B063 Information security
3	Educational program group	B058 Information security
4	Educational program name	6B06301 Information Security
5	Short description of educational program	The educational program is aimed at training students in general education, basic, and specialized disciplines, ensuring the development of relevant competencies in the field of information security.
6	Purpose of EP	Preparation of a competitive generation of technical specialists in the field of information protection and security for the labor market, proactive, able to work in a team, possessing high personal and professional competencies
7	Type of EP	New EP
8	The level based on NQF	6
9	The level based on IQF	6
10	Distinctive features of EP	The educational program has increased the volume of mathematical, natural science, basic, and language disciplines. The educational program is focused on achieving the Sustainable Development Goals (SDGs): Quality Education (SDG 4); Decent Work and Economic Growth (SDG 8); Industry, Innovation and Infrastructure (SDG 9); Sustainable Cities and Communities (SDG 11); Peace, Justice and Strong Institutions (SDG 16).
11	Education form	Full - time
12	Period of training	4 years old
13	Amount of credits	240
14	Languages of instruction	Russian, Kazakh, English (30%)
15	Academic degree awarded	Bachelor of information and communications technologies
16	Developer(s) and authors	Aitkhozhayeva Y. Z, Alimseitova Z. K, Yubuzova K. I.