



**Institute of Automation and Information Technologies
Department of Software Engineering**

**EDUCATIONAL PROGRAM
8D06101 Software Engineering**

Code and classification of the field of education: **8D06 Information and communication technologies**

Code and classification of training directions: **8D061 Information and communication technologies**

Group of educational programs: **D094 Information technologies**

Level based on NQF: **8**

Level based on IQF: **8**

Study period: **3 years**

Amount of credits: **180**

Almaty 2025






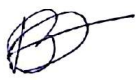


Educational program 8D06101 Software Engineering was approved at the meeting of K.I. Satbayev KazNRTU Academic Council.

Minutes #12 dated «22» April 2024.







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

Minutes #6 dated «19» April 2024.

Educational program 8D06101 Software Engineering was developed by Academic committee based on direction 8D061 Information and communication technologies.

№	Full name	Academic degree/ academic title	Position	Workplace	Signature
Field of Study:					
6B061, 7M061, 8D061 – Information and Communication Technologies					
1	Abdoldina Farida Nauruzbaevna	Candidate of Technical Sciences	Head of Department, Associate Professor	NJSC "Kazakh National Research Technical University named after K.I. Satpayev", mob. phone: +7 707 820 6525	
Members of the Academic Committee:					
Teaching staff:					
2	Mukhamediev Ravil Ilgizovich	Candidate of Technical Sciences	Professor	NJSC "Kazakh National Research Technical University named after K.I. Satpayev", mob. phone: +7 777 241 8672	
3	Moldagulova Ayman Nikolaevna	Candidate of Physical and Mathematical Sciences	Professor	NJSC "Kazakh National Research Technical University named after K.I. Satpayev", mob. phone: +7 701 727 9025	
4	Mukajanov Nurzhan Kakenovich	PhD	Associate professor	NJSC "Kazakh National Research Technical University named after K.I. Satpayev", mob. phone: +7 775 724 8242	
5	Gertsen Yevgeniy Alexandrovich	Master of Science	Senior teacher	NJSC "Kazakh National Research Technical University named after K.I. Satpayev", mob. phone: +7 777 209 4343	
6	Baimbetov Daulet Abibullaevich	Master of Science	Senior teacher	NJSC "Kazakh National Research Technical University named after K.I. Satpayev", mob. phone: +7 707 891 4322	
Employers:					
7	Konysbaev Amiret Tuyakuly	Candidate of Philosophical Sciences	President of the Association	Association of Innovative Companies FEZ "PIT", mob. phone: +7 708 106 5028	
8	Nurseitov Daniyar Borisovich	Candidate of Physical and Mathematical Sciences	Expert (disciplinary)	BigDATA sector, KMG engineering LLP, mob. phone: +7 777 127 7711	

NON-PROFIT JOINT STOCK COMPANY
 "KAZAKH NATIONAL RESEARCH TECHNICAL UNIVERSITY NAMED AFTER K.I. SATBAYEV"

9	Akylaev Zhasulan Akzholovich	Master of Science	Head of Department	Transactional systems testing department Transactional systems department of JSC Halyk Bank of Kazakhstan, mobile. phone: +7 771 701 2811	
Alumni Representatives:					
10	Mereke Askhat Asylbekuly	Master of Science	Lead programmer 1st category (senior full- stack)	"The Boss media group" LLP, mob. phone: +7 707 426 0165	
11	Dzhamalov Jalal Kudratovich	PhD	Team Lead	JSC Kaspi Bank, Kaspi Pay transfer development team, mobile. phone: +7 701 949 7935	
Receiving education:					
12	Rystygulov Panabek Abashovich	Master of Science	Doctoral student, 1st year	mobile. phone: +7 775 202 4224	
13	Mukin Dmitry Mikhailovich	Bachelor	Master's student, 1st year	mobile. phone: +7 707 157 5233	
14	Halmatai Nurbek Kasymuly	-	Student, 3rd year	mobile. phone: +7 700 484 4808	

General information

№	Field name	Comments
1	Code and classification of the field of education	8D06 Information and communication technologies
2	Code and classification of training directions	8D061 Information and communication technologies
3	Educational program group	D094 Information technologies
4	Educational program name	8D06101 Software Engineering
5	Short description of educational program	<p>The main focus of the master's program is on an in-depth study of software development technologies, understanding the architecture of computer systems, and expanding knowledge in the field of development paradigms for distributed, resilient network applications.</p> <p>The program is aimed at training a high-quality specialist in accordance with the level of competence, capable of independently conducting scientific research, independently developing complex software solutions, working in a team, and navigating modern Information Technologies. The educational program is structured taking into account current trends in software development and in close connection with the manufacturing sector.</p>
6	Purpose of EP	The educational program is aimed at training researchers capable of independently conducting scientific research and developing complex software solutions that take into account the principles of sustainable development, digital inclusivity, and ethical responsibility, effectively working in a team, and implementing innovations in the field of software engineering.
7	Type of EP	New EP
8	The level based on NQF	8
9	The level based on IQF	8
10	Distinctive features of EP	No
11	Education form	Full-time, online
12	Period of training	3
13	Amount of credits	180
14	Languages of instruction	russian, kazakh
15	Academic degree awarded	Doctor of Philosophy PhD
16	Developer(s) and authors	Mukazhanov N.K., Abdoldina F.N.