



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

**EDUCATIONAL PROGRAM  
7M06101 Software Engineering**

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

**Code and classification of training directions: 7M061 Information and Communication technologies**

**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 7M06101 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 7M06101 Software Engineering was developed by Academic committee based on direction 7M061 Information and communication technologies.

№	Full name	Academic degree/ academic title	Position	Workplace	Signature
<b>Field of Study:</b>					
<b>6B061, 7M061, 8D061 – Information and Communication Technologies</b>					
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	
<b>Members of the Academic Committee:</b>					
<b>Teaching staff:</b>					
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	
<b>Employers:</b>					
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	

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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	
<b>Alumni Representatives:</b>					
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	
<b>Receiving education:</b>					
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	7M06 Information and Communication technologies
2	Code and classification of training directions	7M061 Information and Communication technologies
3	Educational program group	M094 Information technologies
4	Educational program name	7M06101 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 purpose of the educational program is to prepare Masters of Technical Sciences capable of developing and implementing innovative software solutions for a sustainable and inclusive digital society, conducting scientific research, and engaging in pedagogical activities in the field of software engineering.
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
13	Amount of credits	120
14	Languages of instruction	russian, kazakh
15	Academic degree awarded	Master of Technical Sciences
16	Developer(s) and authors	Abdoldina F.N., Mukazhanov N.K.