



AGREED

Chairman of the Educational and Methodological Council of JSC «International University of Information Technologies»

A.K. Mustafina «19 » 03 2024 APPROVE
Chairman of the Board – Rector of
ISC University
of Information Technologies»

A.K. Khikmetov

(Responsibility)

A.K. Khikmetov

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(Responsibility)

DOUBLE DEGREE EDUCATIONAL PROGRAM 6B06306 «Network security»

Education Area Code and Classification: 6B06 – Information and Communication Technologies

Code and classification: 6B063 – Information security

Group of educational programs: B058 — Information security

Level according to the International Standard Classification of Education (ISCE): 6

Level according to National Qualifications Framework (NQF): 6

Level according to Industry Qualifications Framework (IQ): 6

Duration of study: 4 years

Credits: 240

AGREED

Director of the Chairman of the ALE

«Kazakhstan Information

Security Association»

V.V. Pokusov

2024

СОО Казакстандық Ассоциация ассоциализация ассоциал

AGREED
General director of the
«National Innovation
Center»

2024

КАЙСТВ ТОВРИШЕСТВО ОДНОВНИКОВ ОДНОВ ОД

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JSC "IITU" 4

1. Description of the educational program

The program is designed to implement the principles of the democratic nature of education management, expanding the boundaries of academic freedom and the powers of educational institutions, which will ensure the training of elite, highly motivated personnel for innovative and knowledge-intensive sectors of the economy.

The educational program ensures the application of an individual approach to students, ensures the transformation of professional competencies from professional standards and qualification standards into learning outcomes. Student—centered learning is provided - the principle of education, which assumes a shift in emphasis in the educational process from teaching (as the main role of the teaching staff in the "translation" of knowledge) to teaching (as an active educational activity of the student).

The educational program "Network Security" is to provide practice-oriented training for graduates in the field of creation, use and protection of information technologies designed to work in various industries and in business. This educational program is based on the recommendations of the Professional Standards of the Republic of Kazakhstan "Information Infrastructure and IT Security Professionals" (Appendix No. 11k to the order of the Acting Chairman of the Board of the National Chamber of Entrepreneurs of the Republic of Kazakhstan "Atameken" No. 222 dated 05.12.2022), follows new trends from the Atlas of New Professions, Regional standards, National Qualifications Framework and The industry qualifications framework according to level 6.

The educational program ensures the application of the principles of student—centered learning, an individual approach to the student, contributes to the formation of general cultural, basic and professional competencies in the direction of "B058 - Information security".

On the basis of this educational program, educational organizations can develop work curricula and work study programs (syllabuses) using appropriate methodological recommendations for the development of working educational and methodological documentation.

2. Purpose and objectives of the educational program

The purpose of the EP is providing practice—oriented training of highly qualified specialists in the field of information security audit of enterprises with general cultural and professional competencies in the field of information security, as well as to create conditions for continuous professional self-improvement, development of socio-personal competencies of specialists, expansion of social mobility and competitiveness in the labor market.

Tasks of the EP:

- 1. Ensuring the protection of information and informatization objects using standards and protocols of network interaction.
- 2. Monitoring, analyzing and comparing the effectiveness of software and hardware information security tools in operating systems and networks.
- 3. Carrying out the correct operation of the system administration and hardware and software protection.
 - 4. Continuous monitoring and control of information security.
 - 5. Development, design and maintenance of the organization's network security tools

3. Requirements for evaluating the learning outcomes of an educational program

The following forms of exams are used as an assessment of learning outcomes: computer testing, written exam (answers on sheets), oral exam, project (passing a course project), practical (open questions on a computer, solving problems on a computer, including in ACM format), complex (test/written/oral + others).

In accordance with table 1, the following ratio of exam forms is recommended:

		assessment of the risks associated with business losses due to unavailability, loss or compromise of a particular resource Objects of professional activity of graduates of the EP: - Channels for committing cybercrimes - Modern IT - Business processes - Blockchain networks The subject of professional activity: Enterprises in various industries, both government and business Types of professional activity of an EP graduate: - Cyber Investigator - Blockchain technologist The functions of the professional activity of a
		Graduate of the EP: Countering cybercrime
8	QMSE level	6th level
9	NFQ level	6th level
10	IQF level	6th level
11	place of man in the historical promethodology of human activity, read	nal program: driving forces and patterns of the historical process, the ocess and the ability to understand philosophy as a diness for self-knowledge, self-activity, the development narmonization of personal and interpersonal relations

methodology of human activity, readiness for self-knowledge, self-activity, the development of cultural wealth as a factor in the harmonization of personal and interpersonal relations EC2. The ability to form and develop skills and competencies in the field of organization, planning and management of production, the ability to apply the knowledge gained to

planning and management of production, the ability to apply the knowledge gained to understand the environmental reality, the ability to generalize, analyze, predict when setting goals in the professional field and choose ways to achieve them using scientific research methodology

EC3. The ability to conduct interdisciplinary scientific research using basic knowledge from the fields of economics and law, ecology and life safety. The ability to apply entrepreneurial qualities to the tasks of calculating the profitability of scientific projects. The ability to build personal and interpersonal relationships in compliance with an anti-corruption culture

EC4. The ability to write and communicate orally in the state language and the language of interethnic communication, the ability to use foreign sources of information, possess communication skills, public speaking, argumentation, discussion and polemics in a foreign language

corruption culture

LO2. Demonstrate the ability to write and communicate orally in the state language and the language of interethnic communication, use foreign sources of information, possess communication skills, master office management techniques in the state language, have public speaking skills, argumentation, discussion and polemics in a professional foreign language

LO3. Be able to use a variety of mathematical and natural science physics methods to solve specific engineering problems. Possess mathematical apparatus for the design of hardware components and electrical networks and digital circuit design

LO4. Demonstrate an understanding of history and philosophy as a methodology of human activity, readiness for self-knowledge, be able to apply methods of psychology, cultural studies and find organizational and managerial solutions in non-standard conditions and with the help of political science and sociology, systematize knowledge about world and Kazakh legislation in the field of information security

LO5. Be able to use the principles of construction, types and functions of operating systems and apply existing methods of protection and security of operating systems. Be able to analyze operating systems and various applications for potential vulnerabilities and threats

LO6. Apply information security technologies, including various encryption, decryption and cryptanalysis operations, which are based on mathematical research and information theory in the field of information security, as well as apply existing legislation in the field of information security

LO7. Be able to program various applications using algorithmization methods, object-oriented programming, web technologies, is able to optimize program code using specialized corporate applications on the Django framework, develop, maintain and test secure applications and programs including mobile technologies and their security. The ability to use interdisciplinary tools for software development and testing

LO8. Be able to set up computer networks, knows the routing and switching features of wired and wireless computer networks. Know the features of the architecture of computing systems and network security. Apply security and automation methods for corporate networks and principles of network interconnection

LO9. Use DevNet tools related to network programming and scripting for network applications. Own a network security tool for various corporate WLAN technologies. Maintain the security level of the network infrastructure

LO10. Apply the principles of organization, management and protection of databases. Apply data protection skills using intelligent cybersecurity techniques and use applied AI tools. Apply data mining techniques

LO11. Apply existing intrusion prevention and detection systems and be able to manage and monitor network infrastructure vulnerabilities. Apply the methods and techniques of analytics of the information security management center

LO12. Apply digital forensics methods of network infrastructure and have practical pentesting skills. Apply reverse engineering techniques to investigate malicious code. Demonstrate knowledge in modern information recovery technologies when detecting network infrastructure vulnerabilities

LO13. Use cloud and blockchain technologies to create secure applications. Apply deep learning tools to create intelligent applications. Be able to use Data Science methodologies to analyze big data

LO14. Be able to apply the acquired knowledge according to the selected additional educational program

13	The form of	Full-time
	education	
14	The language of	English
	education	

		cultural monuments				
		cultural monuments are an important component of world history and culture. During the study of this course, students will acquire knowledge, skills and abilities in all major periods and subperiods of the history of Kazakhstan. The task of teaching the discipline is to trace the continuity of the idea of statehood through all the above-mentioned periods of history and transfer the rich historical and cultural heritage through the centuries to the current generation				
2	Foreign language	The course includes an intensive English language learning program focused on grammar and speaking skills. The course includes topics reflecting the latest developments in the field of information technology, and the terminology dictionary makes them directly relevant to the needs of students	10	OK4	none	Professionally oriented foreign language
3	Kazakh (Russian) language	The course occupies a special place in the Bachelor's degree program with engineering education. For students of a technical university, learning professional Kazakh/Russian languages is not only the improvement of skills and abilities acquired at school, but also a means of mastering a future specialty	10	EC4	none	Diploma project
4	Sociology-Political science	The course "Sociology" examines various	4	OK1	none	Cultural studies- Psychology

		ordinary and professional activities using information technology to search, collect, store, process and distribute information				
6	Physical Culture	The course is devoted to the formation of physical culture of the individual and the ability to use a variety of means of physical culture for the preservation and promotion of health	8	OK1	none	
7	Cultural studies- Psychology	As a result of studying the course in the field of cultural studies, students will acquire the basics for studying the entire complex of social sciences and humanities, and master intercultural communications. At the same time, the discipline of cultural studies can serve as an addition to general courses in history and philosophy. The course material can serve as a methodological guide for a number of special disciplines: for example, ethics, cultural history, art styles, national schools of management, negotiation strategy and tactics, cultural management. Teaching methods and technologies used in the implementation of the program: roleplaying games and educational discussions of various formats; case	4	OK1	none	Research metodology
		study (analysis of specific situations); project method. The Psychology course presents psychology issues in a broad educational				

10	Startups and entrepreneurship	This course is an introduction to what a business is, how it works and how to manage it. Students will identify the forms of ownership and processes used in manufacturing and marketing, finance, personnel and management in business operations	EC 3	Information and Communication Technologies	Diploma project
11	Fundamentals of law and anti-corruption culture	The course outlines the legal, economic and social foundations of counteraction corruption, the peculiarities of state policy are revealed, international experience in combating corruption is presented the fight against corruption, the peculiarities of conflict-of-interest regulation are determined, professional ethics, methods of detecting corruption violations. As a result of successful completion of the course, students will have the following competencies: 1. Understand the measures of legal responsibility for participation in corruption violations. 2. Identify conflicts of interest in the activities of organizations leading to corruption. 3. To analyze the work of organizations using various research methods	EC 3	Legal Basics of Information Security	Diploma project
12	Fundamentals safety of life activity and ecology	Studies the ways of safe human interaction with the environment (industrial, household, urban, natural), the	EC 3	Information and Communication Technologies	Diploma project

		to analyze financial information and navigate financial products to choose an adequate investment strategy				
		The cycle o	f basi	c discipli	ines	
14	Mathematical analysis	The unive	rsity 6	PC3		Information Theory
		course is to familiarize students with important branches of calculus and its applications in computer science. During the educational process, students should become familiar with and be able to apply mathematical methods and tools to solve various applied problems. Moreover, they study fundamental methods of studying infinitesimal variables using analysis, which is based on the theory of differential and integral calculations		EC5	Algebra and Geometry	Information Theory
15	Algebra and Geometry	The successful application of algebra and geometry to solve specific problems is primarily due to the rapid growth of computing technology. The course includes analytical geometry and linear algebra. Linear algebra is a branch of mathematics that studies matrices, vectors, vector spaces, linear transformations and systems of linear equations. Analytical geometry is a section where the basic concepts are simple geometric shapes (points, lines, planes, curves and surfaces of the second order). The main means of research in analytical	4	PC3 EC5	none	Mathematical analysis

		applications using Java technologies				
23	Basic Circuit Theory	The course was designed to introduce the fundamental principles of electrical circuit theory commonly used in engineering research and scientific applications. Methods and principles of analysis of electrical circuits, including basic concepts such as voltage, current, resistance, impedance, Ohm's and Kirchhoff's law; basic methods of analysis of electrical circuits, resistive circuits, 1st and 2nd order circuits; circuits with DC and AC sources	4	PC6	Physics	Digital circuit design
24	Basics of the Linux operating system	The course provides students with basic Linux knowledge and basic Linux command line skills	4	PC4	Information and Communication Technologies	Security of operating systems
25	Professionally oriented foreign language	It includes a grammar course, lexical material of a professional nature and texts of a professional orientation	4	EC4	Foreign language	Diploma project
26	Switching, Routing, and Wireless Essentials	Teach students how to configure routers and switches for advanced functionality, configure aggregation, redundancy and routing protocols, troubleshoot device problems and finetune routing protocols	6	PC5	Computer Networking Basics	Security of operating systems
27	Web technologies	This course teaches the basics of website development using HTML, Cascading Style Sheets (CSS), JavaScript and jQuery. Teaches you how to use the PHP programming	4	PC7	Object-oriented programming (Java)	Design Pattern

		infrastructures, platforms and services to create applications and solve typical tasks. The course examines the concept and models of cloud computing, the architecture and principles of implementing scalable, highly accessible cloud- based applications, modern practices for developing cloud- native applications, as well as existing cloud solutions for data storage and processing. The discipline has a practical focus and includes homework for the development, deployment and testing of applications in a real public cloud				
33	Intercultural Competence	Intercultural competence is part of a family of concepts including global competence, graduate qualities, employability skills, global citizenship, education for sustainable development, and global job opportunities. At the heart of all these concepts is the recognition of globalization as a driving force for change in all aspects of the modern world, as well as the importance of graduates being able to participate and act globally.	5	PC4	Cultural studies- Psychology	Philosophy
34	Advanced Software Engineering	This course is devoted to the study of team programming, proper load and task distribution, modular project	5	PC7, PC3	Object-oriented programming (Java)	Pre-graduate practice

100	Access to the second				4 7 7 7	
38	Computer information protection technologies	Basic methods and principles of information protection	4	PC8	Computer Networking Basics, Basics of the Linux operating system	IoT Security
39	Enterprise Networks, Security, and Automation	The course is designed to explore the mechanisms of host and network access management, as well as automation, virtualization, design, protection, operation, and troubleshooting in corporate networks. The course covers Wide Area Network (WAN) and Quality of Service (QoS) technologies, technologies and mechanisms used for secure remote access	4	PC6	Computer information protection technologies	Network Interconnection
40	Design Pattern	The course is designed for students who seek to deepen their knowledge in the field of software design and acquire skills in developing flexible, supported and extensible systems. The course covers both theoretical and practical aspects of the application of design patterns, providing students with the necessary knowledge and skills for successful work in the field of software development	4	PC2, PC7	Web technologies	Security of operating systems
41	Interdisciplinary software development project	Software projects are inherently interdisciplinary, relying on many different types of skills and knowledge, both IT-related (e.g. project management, analysis and design, user interfaces, coding, testing,) and non-IT-related (e.g. knowledge of the field of software application, say, accounting, health care or art).	5	PC8	Advanced Software Engineering	Applied AI

		- Cryptology (FWPM) - Project Management (FWPM) - RESTful Web Services (API) - Corporate Governance (FSUE)				
47	Subject-specific elective module 3	The elective is selected from the following subjects: - Programming .NET in C# (FWPM) - Artificial Intelligence in Robotics (FWPM) - Introduction to Microsoft Dynamics NAV (FWPM) - Evaluation and selection of a standard software package (FWPM) - Geographic Information Systems (GIS) -Principles of Electrical Engineering (FWPM) - Internet of Things (FWPM) - FROM-Security (FPM) - Reverse Engineering Software (FWPM) - Web technologies and Web marketing in the cloud (FWPM)	5	PC2	Subject-specific elective module 2	Subject-specific elective module 4
48	Subject-specific elective module 4	The elective is selected from the following subjects: - Programming .NET in C# (FWPM) - Artificial Intelligence in Robotics (FWPM) - Introduction to Microsoft Dynamics NAV (FWPM) - Evaluation and selection of a standard software package (FWPM) - Geographic Information Systems (GIS) -Principles of Electrical Engineering (FWPM) - Internet of Things (FWPM)	5	PC2	Subject-specific elective module 3	Diploma project

		configuration of routing protocols. The course teaches you how to ensure the security of a single network, including protection against attacks and malware. As part of the course, students also learn unified network management techniques, including traffic monitoring and analysis, bandwidth management, and route redundancy. They also learn how to solve network setup problems and diagnose and fix failures.			
52	Blockchain technology	The course is dedicated to learning the basics of blockchain technologies. The course examines the practice of using blockchain technologies in the bitcoin and Ethereum cryptocurrencies, as well as other industries. The discipline is based on cryptographic knowledge and includes materials on the development of smart contracts, various consensus algorithms, etc.	PC9	Cryptographic methods of information security	Diploma project
53	Analytics of Information Security Center	The course focuses on the study of data collection, analysis and interpretation to identify and mitigate security threats. The purpose of this discipline is to provide students with the knowledge and skills to collect and analyze data to identify and eliminate threats before they cause damage, thereby providing organizations with a	PC7	Organization of database management systems	Diploma project

4.4. List of modules and learning outcomes

Name of the educational program: 6B06306 «Network security».

Qualification: Bachelor of Information Security

Humanitarian module LO 1, LO 4 A where S is the assessment of academic performance (learning, productivity); Language module LO 2 Language module LO 3 A is the actual amount of knowledge, skills, proposed for assimilation The ICT module LO 5 Where S is the assessment of academic performance (learning, productivity); A is the actual amount of knowledge, skills, proposed for assimilation The ICT module LO 5 Where S is the assessment of academic performance (learning, productivity); A is the actual amount of knowledge, skills, proposed for assimilation A is the actual amount of acquired knowledge, skills; F is the full amount of knowledge, skills proposed for assimilation A is the actual amount of acquired knowledge, skills; F is the full amount of acquired knowledge, skills; A is the actual amount of acquired knowledge, skills, BAIST MODULES Natural Science module LO 3 Where S is the assessment of academic performance (learning, productivity); A is the actual amount of acquired knowledge, skills, A is the full amount of knowledge, skills proposed for assimilation Module A is the actual amount of acquired knowledge, skills, F is the full amount of knowledge, skills proposed for assimilation A is the actual amount of acquired knowledge, skills, F is the full amount of knowledge, skills proposed for assimilation A is the actual amount of acquired knowledge, skills, F is the full amount of knowledge, skills proposed for assimilation A is the actual amount of acquired knowledge, skills, A is the actual amount of acquired knowledge, skills, A is the full amount of scademic performance (learning, productivity); F is the full amount of knowledge, skills proposed for assimilation A is the actual amount of acquired knowledge, skills, A is the actual amount of acquired knowledge, skills, Bailing A is the actual amount of acquired knowledge, skills, A is the actual amount of acquired knowledge, skills, A is the actual amount of academic performance (learning, productivity); A is the	Module Code / Module	Learning	Care of the care leading of a series and of a series of	Disciplines forming the module
CENERAL EDUCATION MODULES LO 1, LO 4 where S is the assessment of academic performance (fearning, productivity); A is the actual amount of knowledge, skills, F is the full amount of knowledge, skills proposed for assimilation S = (AFF) * 100%, where S is the assessment of academic performance (fearning, productivity); F is the full amount of knowledge, skills proposed for assimilation LO 5 Where S is the ascual amount of acquired knowledge, skills; F is the full amount of knowledge, skills proposed for assimilation A is the actual amount of acquired knowledge, skills; F is the full amount of forquired knowledge, skills; F is the full amount of knowledge, skills proposed for assimilation BASIC MODULES S = (AFF) * 100%, where S is the assessment of academic performance (fearning, productivity); A is the actual amount of acquired knowledge, skills; F is the full amount of Knowledge, skills proposed for assimilation A is the actual amount of acquired knowledge, skills; F is the full amount of knowledge, skills proposed for assimilation A is the actual amount of acquired knowledge, skills; F is the full amount of knowledge, skills proposed for assimilation A is the actual amount of acquired knowledge, skills; F is the full amount of knowledge, skills proposed for assimilation	Name	outcomes	Criteria for evaluating learning outcomes	Code / Name
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BASIC MODULES S = (A/F) * 100%, where S is the assessment of academic performance (learning, productivity); A is the actual amount of acquired knowledge, skills; F is the full amount of knowledge, skills proposed for assimilation LO 7 where S is the assessment of academic performance (learning, productivity); A is the actual amount of acquired knowledge, skills; F is the full amount of knowledge, skills proposed for assimilation		Annual Committee of the	F is the full amount of knowledge, skills proposed for assimilation	
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where S is the assessment of academic performance (learning, productivity); A is the actual amount of acquired knowledge, skills; F is the full amount of knowledge, skills proposed for assimilation S = (A/F) * 100%, where S is the assessment of academic performance (learning, productivity); A is the actual amount of acquired knowledge, skills; F is the full amount of knowledge, skills proposed for assimilation	Natural Science module	LO3	S = (A/F) * 100%	Algebra and Geometry
A is the actual amount of acquired knowledge, skills; F is the full amount of knowledge, skills proposed for assimilation S = (A/F) * 100%, where S is the assessment of academic performance (learning, productivity); A is the actual amount of acquired knowledge, skills; F is the full amount of knowledge, skills proposed for assimilation			where S is the assessment of academic performance (learning, productivity);	Mathematical analysis
LO 7 Where S is the assessment of academic performance (learning, productivity); A is the actual amount of acquired knowledge, skills; F is the full amount of knowledge, skills proposed for assimilation			A is the actual amount of acquired knowledge, skills;	Physics
Where S is the assessment of academic performance (learning, productivity); A is the actual amount of acquired knowledge, skills; F is the full amount of knowledge, skills proposed for assimilation			F is the full amount of knowledge, skills proposed for assimilation	Information Theory
where S is the assessment of academic performance (learning, productivity); A is the actual amount of acquired knowledge, skills; F is the full amount of knowledge, skills proposed for assimilation				Mathematical foundations of
by the assessment of academic performance (learning, productivity); A is the actual amount of acquired knowledge, skills; F is the full amount of knowledge, skills proposed for assimilation				information security
where S is the assessment of academic performance (learning, productivity); A is the actual amount of acquired knowledge, skills; F is the full amount of knowledge, skills proposed for assimilation	Programming Languages	LO7	S = (A/F) * 100%	Algorithmization and Programming
	Module	of Street in the street of the second	where S is the assessment of academic performance (learning, productivity);	Object-oriented programming (Java)
			A is the actual amount of acquired knowledge, skills;	Design Pattern
Subj.			F is the full amount of knowledge, skills proposed for assimilation	Web technologies
Subj.				Organization of database
Subj				management systems
Subjective				Data Science
Subj				Subject-specific elective module 1
ida.				Subject-specific elective module 2
				Subject-specific elective module 3

Managing network infrastructure on vulnerabilities	Network infrastructure security	DevNet	Mobile security technologies	Network Security	Introduction to Intelligent	tivity); Cybersecurity	Analytics of Information Security	On Center	Blockchain technology	Practical pentesting	Intrusion detection and prevention	systems	Protection of database management	systems	Writing and defending a diploma	nroject
A is the actual amount of acquired knowledge, skills; F is the full amount of knowledge, skills proposed for assimilation					S = (A/F) * 100%	where S is the assessment of academic performance (learning, productivity);	A is the actual amount of acquired knowledge, skills;	F is the full amount of knowledge, skills proposed for assimilation								
					LO 9, LO 10										LO 1-LO 13	
					Cybersecurity Module								4		The module of Final	certification

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Engineering	Mathematical analysis	Algebra and Geometry	Algorithmization and Programming	Educational practice	Physics	Legal Basics of Information Security	Mathematical foundations of information security	Object-oriented programming (Java)	Computer Networking Basics	Professionally oriented foreign language	Basics of the Linux operating system	Switching, Routing, and Wireless Essentials	Web technologies	Basic Circuit Theory	Information Theory	Organization of database management systems	Digital circuit design	Foreign Language 1 (German Part 1)	Cloud Computing	Advanced Software Engineering	Foreign Language 1 (German Part 2)	Intercultural Competence	Research metodology	Subject-specific elective module 1	Industrial practice	Computer Information Protection Technologies	Enterprise Networks, Security, and Automation	did i the comment
	MAT6002	MAT6001	SFT6201	PP6205	PHY6001	SEC6217	MAT6018	SFT6207	NET6201	LAN6004PA	EGR6201	NET6202	SFT6208	EEC6001	EGR6202	SFT6211	EEC6661	SEC6223(HOF)	SEC6225(HOF)	SFT6209(HOF)	SEC6228(HOF)	SEC6230(HOF)	RM6202	SEC6226(HOF)	IP6202	SEC6201	NET6203	THE RESIDENCE OF THE PROPERTY OF THE PERSON
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--72, Educational Program

Additional courses	Number of		Number of	Number
	credits	Academic period	hours	weeks
Module of final certification (MoFC)	8		240	
Total including FCS	240		7200	

7. List of approvals with developers

Name of the educational program: 6B06306 «Network security»

No.	Position, academic degree and surname, first name, patronymic of the developer of the educational program	Date	Signature	Note
1	Amanzholova Saule Toksanovna Candidate of Technical Sciences Associate Professor		M	
2	Sagymbekova Azhar Oryngalievna Master of Technical Sciences Senior Lecturer		All	
3	Makilenov Shakirt Nurlybekuly Master of Technical Sciences Senior Lecturer		Ham!	
4	Askarbekova Nesibeli Yerkinkyzy Master of Technical Sciences Senior Lecturer		gh	