

MINISTRY OF SCIENCE AND HIGHER EDUCATION OF THE REPUBLIC OF KAZAKHSTAN

ACADEMICIAN E.A. BUKETOV KARAGANDA UNIVERSITY

«AGREED»

Director of the Chamber of Entrepreneurs of Karaganda region
Kulpeisov E.D.

« 14 » 04 2023.

«AGREED»

Director of LLP «Interstroyservis and K»
Doszhanov B.S.

« 14 » 04 2023.

«AGREED»

Commercial Director of LLP «Boehmer Armature»
Mukanov A.L.

« 14 » 04 2023.

«APPROVED»

Chairman of the Board –
Rector of E.A. Buketov Karaganda
University

N.O. Dulatbekov
« 14 » 04 2023.

Educational program

«7M11302- Logistics (by industry)»

Level: Master's Degree

Karaganda city
2023

The Educational program "7M11302-Logistics (by industry)" was developed on the basis of:

- Law of the Republic of Kazakhstan dated July 27, 2007 No. 319-III “On Education”;
- State compulsory standard of higher education dated August 31, 2018 No. 604 with amendments and additions as of May 05, 2020 order No. 182);
- National Qualifications Framework, approved on March 16, 2016 by the Republican Tripartite Commission for Social Partnership and Regulation of Social and Labor Relations;
- Order of the Minister of Education and Science of the Republic of Kazakhstan “On approval of the Rules of the educational process organization by credit technology” from April 20, 2011 No. 152;
- Classifier of training areas with higher and postgraduate education from October 13, 2018. No. 569;
- Professional standards approved by Orders of the Chairman/Deputy Chairman of the Board of the National Chamber of Entrepreneurs of the Republic of Kazakhstan “Atameken”:
 1. "Management and maintenance of the transport and logistics center" (Appendix № 23 to Order № 12 of 17.01.2019);
 2. "Logistics of wholesale business" (Appendix № 26 to Order № 230 dated 18.11.2019);
 3. "Organization and conditions of transportation" (Appendix 17 to Order № 256 of 20.12.2019)
 4. "Dispatching control in the warehouse" (Appendix № 73 to Order № 256 of 20.12.2019);
 5. "Container transportation" (Appendix № 75 to Order № 256 dated 20.12.2019);
 6. "Logistics activities for the transportation of goods in the supply chain" (Appendix № 77 to Order № 256 dated 20.12.2019);
 7. "Production logistics" (Appendix № 79 to Order № 256 dated 20.12.2019);
 8. "Warehousing and storage of goods" (Appendix № 80 to Order № 256 dated 20.12.2019).

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Educational program passport

1. Code and name of the educational program: 7M11302-Logistics (by industry)
2. Code and classification of the field of education, areas of training: 7M11-Services, 7M 113-Transport services
3. Group of educational programs: 7M 113 - Logistics (by industry)
4. Volume of loans: 120
5. Form of study: full-time
6. Language of instruction: Kazakh, Russian
7. Degree awarded: Master of Science in the educational program "7M11302-Logistics (by industry)"
8. Type of EP: current
9. ISCED level: 7
10. The level of the NRK: 7
11. The level of the IQF: 7
12. Distinctive features of the EP: no
Partner-University (JEP): -
Partner-University (TDEP): -
13. Appendix number to the license for the direction of personnel training: Appendix No. 016 dated 07/28/2020 to the state license No. KZ83LAA00018495
14. The name of the accreditation body and the validity period of the OP accreditation: NAOKO, certificate №SA-A №0217/2, date of issue: 06/19/2021, valid until 06/18/2026.
15. The purpose of the EP is to train highly qualified specialists in the field of logistics process management, who know the international methodology and practice of designing and strategic management of logistics infrastructure based on the integrated concept of logistics and the use of innovative approaches to the theory of supply chain management.
16. Qualification characteristics of the graduate
 - a) List of graduate positions:
 - Head of a trucking company;
 - Manager for storage and picking of goods;
 - Quality Manager;
 - Manager of the transport and logistics center;
 - Supply Manager;
 - Customs Clearance and Certification Manager;
 - Warehouse Manager;
 - Transport Manager;

– Head of Logistics Department.

b) Scope and objects of professional activity of the graduate:

The sphere of professional activity of the graduate are: enterprises, organizations, joint-stock companies, logistics centers and corporations, of various forms of ownership, ensuring the functioning of logistics systems and technologies; logistics departments of ministries and departments of the Republic of Kazakhstan, departments and logistics services of production, procurement, supply and marketing, transport and trade organizations, research and design enterprises engaged in the development of logistics systems and technologies, including higher and secondary specialized educational institutions.

The objects of professional activity of masters in the educational program "7M11301-Logistics (by industry)" are: material flows and resources (commodity, financial, personnel); intangible flows and resources (information, temporary, service); commodity distribution systems; production and sales systems; information support systems for production, supply, distribution, transport and technological processes.

c) The types of professional activity of the graduate are: research, educational (pedagogical), analytical, advisory.

d) Functions of a graduate's professional activity:

Organizational and technological activities:

- organization of work on the design of management methods;
- ensuring safety in various conditions;
- organizing the work of a team of performers, taking into account different opinions and making managerial decisions;
- compromise solutions taking into account different requirements (cost, quality, deadlines and safety) for different types of planning and determining optimal solutions;
- operation of vehicles and systems. Production and management activities:
- assessment of production and non-production costs to ensure traffic safety;
- assessment of production and non-production costs for the development of transport and technological systems for the delivery of cargo, passengers, luggage, mail and monitoring their work;
- quality control of technological processes, materials and finished products;
- metrological verification of measuring instruments for product quality indicators;
- carrying out activities for standardization and certification of transshipment machines and equipment, technology of their manufacture and repair.

Settlement and design activities:

- development of plans for the development of transport enterprises, traffic management systems;
- defining the goals and objectives of the project, taking into account various factors when building the structure of their interrelations and identifying priority directions for solving problems;
- development and analysis of options for solving problems, forecasting consequences, planning and implementation of projects;
- development of machinery and equipment projects taking into account technological, design, aesthetic, economic and other parameters;
- the use of information technology in the selection of materials, transport equipment and equipment.

Service and operational activities:

- development and implementation of technology for the provision of services for the registration of cargo transportation, cargo baggage, passengers;
- provision of advertising and information activities in transport;
- proper maintenance of technical devices and structures in transport to ensure the safety of the transportation process.

Research and teaching activities.

17. Formulation of learning outcomes based on competencies

Type of competencies	Learning result code	Learning result (according to Bloom's taxonomy)
1. Behavioral skills and personal qualities: (Soft skills)	LR 1	Is able to use knowledge of traditional and modern problems of history and philosophy of science in research activities in the professional direction
	LR 2	Applies modern educational programs in the educational process in order to organize the educational process taking into account the age and individual characteristics of students
	LR 3	Publishes the results of scientific research in scientific and specialized publications
	LR 4	He is able to communicate freely, easily and convincingly in verbal and non-verbal form in a foreign language to solve the tasks of professional activity.
2. Digital competencies: (Digital skills)	LR 6	Organizes interaction and synchronizes processes in the supply chain, develops the optimal configuration of the supply chain, including in the digital environment
	LR 9	Owns methods and software tools for information processing, is able to interact with the services of innovative technologies for managing logistics business processes of enterprises and organizations
3. Professional competencies: (Hard skills)	LR 5	Is able to carry out scientific, innovative activities to obtain new knowledge and commercialize the results of scientific and scientific-technical activities
	LR 7	Conducts warehouse audit, develops and implements balanced inventory management systems
	LR 8	Able to apply the basic principles and standards of management accounting in controlling logistics business processes in the company
	LR 10	Applies professional knowledge in the field of international logistics and global supply chain management, forms a modern understanding of the processes of solving strategic tasks at the level of the international supply chain

18. Determination of modules of disciplines in accordance with the results of training

Learning result code	Name of the module	Name of disciplines	Volume (ECTS)
LR 1	Philosophical and historical aspects of social and humanitarian knowledge	History and philosophy of science	4
LR 2		Higher school pedagogy	4
LR 2, LR 5		Management Psychology	4
LR 2		Pedagogical practice	4
LR 4	Professional languages	Foreign language (professional)	4
LR 3, LR 4		Professional foreign terminology in logistics (in English)	5
		Business communication in a foreign language (in English)	
LR 5	Innovative development of the economy	Commercialization of the results of scientific and technical activities	5
LR 9		Management of innovative business projects	
		LR 8, LR 9	Digital technologies in logistics
LR 6, LR 7, LR 9	Innovation in logistics		
LR 6	Logistics process management	Logistics business processes	5
LR 6, LR 7, LR 8		Optimization of product distribution	4
		Supply Chain management	5
LR 7, LR 8	Logistics process management (continuation of the module)	Improving procurement efficiency	4
LR 4, LR 10		Logistics risk management	
		Production logistics	5
		Distribution logistics and Marketing	
LR 8, LR 10	Models and tools for the analysis of international logistics	International logistics	5
LR 8, LR 9		Logistics systems in international integrated organizations	
		LR 8, LR 10	Management of the transport and logistics system
LR 8, LR 9		Ensuring the stability of the international supply chain	
LR 3, LR 5, LR 9, LR 10	Research work	Methods of economic research	5
	Research work of a master's student, including internship and completion of a master's thesis	Mathematical methods and models in logistics	
		Final certification	Master's research work, including internship and Master's thesis
		Research Internship	14
		Finalization and defense of the Master's Thesis	8

19. Matrix of achievability of learning outcomes

№	Name of disciplines	Brief description of the discipline (30-40 words)	Number of credits	Generated learning outcomes (codes)									
				LR 1	LR 2	LR 3	LR 4	LR 5	LR 6	LR 7	LR 8	LR 9	LR 10
Cycle of basic disciplines University component													
D1	History and philosophy of science	Purpose: formation of knowledge about the general laws of scientific knowledge in its historical development and changing socio-cultural aspect. Tasks: - systematization of knowledge about science as a cognitive activity; - study of the features of scientific cognition, the genesis of institutional forms of scientific activity.	4	+									
D2	Higher school pedagogy	Purpose: formation of knowledge about the theoretical foundations of pedagogy, management of the learning process in higher education. Tasks: - formation of ideas about the organization of the educational process at the university; - teaching methodology and ethics of teachers; - substantiation of the specifics of the organization of the educational process in higher education.	4		+								
D3	Management Psychology	Purpose: formation of systemic ideas about the patterns and specifics of socio-psychological principles of management. Tasks: - study of theoretical positions and actual problems of management psychology; - mastering the features of management psychology and personal qualities of a leader.	4		+			+					
D4	Foreign language (professional)	Objective: to improve the level of proficiency of undergraduates in a foreign language to solve social and communicative tasks. Tasks: - mastering the skills of expressing opinions, reasoning decisions and actions, analyzing socially significant processes and problems; - free use of three main components: the sphere of communication and topics; socio-cultural cognition; linguistics.	4				+						
Cycle of basic disciplines Component of choice													
D5	Professional foreign terminology in logistics (in English)	Purpose: formation of knowledge on the use of conceptual and categorical apparatus in a foreign language for solving research and marketing tasks. Tasks: - organization of research and professional activities on the theoretical and methodological basis of linguistic and economic sciences; - the use of a foreign language as a means of communication in the marketing environment.	5			+	+						

	Business communication in a foreign language (in English)	Purpose: formation of knowledge on the organization of business communication in English. Tasks: - the use of dialogic and monologue speech in specialized situations related to economic activity; - development of the skill of stylistically competent, logically correct presentation of the answer to questions in a foreign language.	5				+	+						
D6	Commercialization of the results of scientific and technical activities	Objective: to improve knowledge and competencies in the field of innovative business, the formation of students' skills of commercialization of the results of intellectual work. Tasks: - obtaining basic knowledge in the field of innovation management; - using practical skills to implement innovative projects and commercialize the results of intellectual work.	5						+					
	Management of innovative business projects	Objective: to develop skills on effective management of projects containing an innovative component. Tasks: - - gaining knowledge on the key principle of determining the purpose, subject areas and structure of the innovation project; - improvement of skills in using the algorithm for solving problems arising during the implementation of an innovative project.	5						+					
D7	Innovation in logistics	Objective: to form ideas about the basics of assessing the innovative business environment of an organization, especially in the framework of its logistics activities. Tasks: - improving the skills of developing and evaluating the effectiveness of innovative technologies used in a logistics enterprise; - development of competencies for the study of progressive innovative technologies in logistics.	5										+	
	Digital technologies in logistics	Purpose: formation of knowledge on key concepts and conceptual foundations in the field of the use of digital technologies in logistics. Tasks: - development of skills in the application of digital technologies in the logistics activities of the enterprise; - improvement of knowledge on the effective organization of the company's logistics activities in the context of digitalization.	5										+	
Cycle of profile disciplines University component														
D8	Logistics business processes	Purpose: formation of theoretical knowledge about the peculiarities of logistics activities of the enterprise in a market economy. Tasks: - gaining knowledge about key logistics business processes; - development of skills of effective management of business processes of a logistics enterprise in the conditions of a modern market economy.	5										+	+
D9	Optimization of product distribution	Objective: to form a comprehensive understanding of the goals, types and criteria for choosing strategies for optimizing the movement of goods, as well as methods for evaluating its effectiveness. Tasks:	4							+	+		+	

		- mastering the theoretical provisions of the optimization of commodity movement; - improvement of knowledge on the analysis and interpretation of the specifics of the company's product movement.												
D10	Supply Chain management	Objective: to form a holistic view of the theoretical foundations of planning and implementation of the movement and development of the total resource potential, organized in the form of a logistics flow. Tasks: - study of the basic fundamentals of supply chain management in the enterprise; - development of practical skills in designing supply chains to improve the efficiency of the enterprise.	5								+			
Cycle of profile disciplines Component of choice														
D11	Improving procurement efficiency	Purpose: mastering the skills of improving the procurement efficiency of the logistics department of the enterprise. Tasks: - study of the essence, types, functions, technology and form of procurement; - formation of knowledge about the creation of a long-term categorical strategy of new procurement schemes of the enterprise to increase the efficiency of its logistics activities.	5								+	+	+	
	Logistics risk management	Objective: to develop ideas about the nature, sources and factors of risks in logistics activities. Tasks: - formation of theoretical knowledge about the nature of risks, especially in the implementation of logistics tasks; - development of practical skills in developing risk management measures in the field of logistics.	5								+	+	+	
D 12	Production logistics	Purpose: to study the theoretical and practical foundations of the organization of production logistics at the enterprise. Tasks: - formation of a complex of knowledge about the tasks, principles and specifics of the organization of production logistics; - improvement of production planning and management skills at the enterprise.	5									+	+	
	Distribution logistics and Marketing	Objective: to form knowledge about the main functions and features of the implementation of distribution logistics and the specifics of using various marketing tools in practice. Tasks: - mastering the skills of implementing distribution logistics in the organization; - expansion of knowledge on the use of marketing tools in the activities of a logistics company.	5									+	+	
D13	International logistics	Objective: to form a comprehensive understanding of the principles and methods of commodity flow, exchange of raw materials and products on an international scale. Tasks: - study of the theoretical and methodological foundations of international commodity movement; - mastering the skills of analyzing key indicators of international logistics in the context of modern economic development and globalization.	5						+					+

20. Coordination of the planned learning outcomes with the methods of teaching and evaluation within the module

Learning outcomes	Planned learning outcomes for the module	Teaching methods	Assessment methods
LR1	He is able to use knowledge of traditional and modern problems of the history and philosophy of science in research activities in the professional direction	Interactive lecture	Test
LR2	Applies modern educational programs in the educational process in order to organize the educational process taking into account the age and individual characteristics of students	Case methods	Colcoxium
LR3	Publishes the results of scientific research in scientific and specialized publications	Project training	Project preparation
LR4	He is able to communicate freely, easily and convincingly in verbal and non-verbal form in a foreign language to solve the tasks of professional activity.	Discussion	Presentations
LR5	Is able to carry out scientific, innovative activities to obtain new knowledge and commercialize the results of scientific and scientific-technical activities	Inverted Class (Flipped Class)	Presentations
LR 6	Organizes interaction and synchronizes processes in the supply chain, develops the optimal configuration of the supply chain, including in the digital environment	Round table	Katanotest
LR7	Conducts warehouse audit, develops and implements balanced inventory management systems	Interactive lecture	Katanotest
LR8	Able to apply the basic principles and standards of management accounting in controlling logistics business processes in the company	case methods	colcoxium
LR9	Owns methods and software tools for information processing, is able to interact with the services of innovative technologies for managing logistics business processes of enterprises and organizations	Interactive lecture	Test
LR10	Applies professional knowledge in the field of international logistics and global supply chain management, forms a modern understanding of the processes of solving strategic tasks at the level of the international supply chain	Case methods	Colcoxium

21. Criteria for assessing the achievability of learning outcomes

Codes of LO	Criteria
LO 1	Knows: the subject and basic concepts of the history and philosophy of science; the features of the formation of science and the main stages of its historical evolution; the structure and features of the development of scientific knowledge; the essence and specifics of the modern stage of the development of science; the features and philosophical problems of the main branches of scientific knowledge.
	Can: substantiate the results of scientific research and acquire new knowledge based on philosophical methods; apply a critical approach to the analysis and evaluation of scientific hypotheses.
	Owens: fundamentals and specifics of philosophical and scientific thinking.
LO 2	Knows: the main trends in the development of higher education in Kazakhstan and abroad; methodological foundations of higher school pedagogy; the essence of modern teaching and upbringing technologies; psychological and pedagogical aspects of pedagogical activity in a modern university.
	Can: to investigate and substantiate educational values and norms; to develop and conduct classes using various pedagogical methods and means; to organize independent work of students; to reasonably choose adequate methods and means of teaching, taking into account the specifics of higher economic education.
	Owens: the ability to organize the pedagogical process; the culture of research and scientific and pedagogical work; the skills and abilities of teaching economic disciplines.
LO 3	Knows: methodological foundations and principles of writing scientific articles.
	Can: conduct scientific research; study the problem using a certain scientific method.
	Owens: skills to communicate verbally and nonverbally in a foreign language to solve the tasks of professional activity.
LO 4	Knows: the main phonetic, lexical and grammatical phenomena of the studied foreign language, allowing it to be used as a means of personal and professional communication.
	Can: express their own thoughts in a foreign language in oral and written speech; use a foreign language in interpersonal communication in professional activities.
	Owens: skills of effective communication in a professional environment.
LO 5	Knows: principles and methods of scientific and innovative activities for obtaining new knowledge and commercialization of the results of scientific and scientific-technical activities.
	Can: independently master and use new methods of economic research, apply existing methods of economic research.
	Owens: scientific understanding of the studied phenomenon, process, object; standard algorithm for solving professional problems; skills in managing the commercialization of R&D results and technologies.
LO 6	Knows: basic concepts in the field of logistics systems, features of supply chains, conceptual rules of supply chain management, basic concepts of digital logistics.
	Can: critically analyze, evaluate and synthesize new directions of application of information technologies in the activities of logistics services in supply chain management.
	Owens: special economic terminology and vocabulary, professional argumentation skills in analyzing market situations in the field of upcoming activities; supply chain management tools.
LO 7	Knows: the role of reserves in the economy, principles and methods of inventory implementation, classification, as well as the main theoretical and conceptual approaches to the organization.
	Can: determine the optimal size of the current stock and the need for materials; calculate the controlled parameters of the inventory control system.
	Owens: define the concepts of inventory, as well as classify them; characterize the main parameters of inventory movement; formulate the principle of determining costs in inventory management; classify costs in inventory management of a particular product name.

LO 8	Knows: methods and specialized management accounting tools for controlling logistics business processes in the company.
	Can: apply management accounting methods and tools for controlling logistics business processes in the company; independently develop strategic and operational controlling in the management system.
	Owens: methods of logistic analysis and controlling, calculation of the main KPIs of logistics services, structure of KPIs of logistics of business entities, calculation of planned and critical KPIs.
LO 9	Knows: systematic processing of actual (together with reference, planned, regulatory and other) reliable information about the availability and movement of resources, as well as about the conditions, processes and phenomena taking place in the production, economic and other activities of the enterprise.
	Can: compare normative, planned and actual indicators characterizing certain operations or processes of production, economic and other activities, identifying deviations (in quantitative, cost, relative and other values) from the specified parameters, indicating the causes and culprits of these deviations, evaluating the implementation of the plan in various aspects and identifying factors affecting these deviations
	Owens: skills to assess and analyze the effectiveness of the company's functioning using information and communication technologies.
LO 10	Knows: basic concepts in the field of logistics systems in international integrated organizations, features of international logistics systems, conceptual rules of global logistics; goals and objectives of international logistics in functional areas.
	Can: apply the acquired knowledge of international integrated logistics systems in the organization of the work of international logistics companies
	Owens: the ability to identify and analyze problems in the field of international logistics systems, to find ways to solve them within the framework of global integration processes

22. The graduate model of the educational program

Graduate Attributes:

High professionalism in the field of economics and business

Emotional Intelligence

Adaptability to global challenges

Leadership

Entrepreneurial thinking

Global citizenship

Understanding the importance of principles and culture of academic integrity

Types of competencies	Description of competencies
1. Behavioral skills and personal qualities (Soft skills):	<ol style="list-style-type: none"> 1. Ability to abstract thinking, analysis, synthesis; willingness to act in non-standard situations, to bear social and ethical responsibility for decisions made; ability to analyze, plan and organize professional activities. 2. Readiness for self-development, self-realization, use of creative potential. 3. Professional knowledge of leadership skills of the main provisions of normative documents in planning, forecasting, analysis of the main components of the process of education and upbringing in higher school; demonstration of the level of training for solving psychological and pedagogical tasks in the educational process of higher school. 4. Readiness for communication in oral and written forms in the state, Russian and foreign languages to solve problems in the field of professional activity. 5. Willingness to lead a team in the field of their professional activities, tolerantly perceiving social, ethnic, confessional and cultural differences. 6. Willingness to use knowledge of modern problems of science and education in solving professional tasks. 7. Awareness of the social significance of their future profession, having a high motivation to perform professional activities.
2. Digital competencies (Digital skills):	<ol style="list-style-type: none"> 1. Manages orders, inventory, transportation, warehousing, cargo handling, packaging, and service in a digital environment. 2. Is able to use software tools for information processing, interact with innovative technology services to manage logistics business processes of enterprises and organizations.
3. Professional competencies (Hard skills)	<ol style="list-style-type: none"> 1. Formulation of educational tasks in the disciplines taught and possession of an optimal didactic strategy for managing the formation of cognitive activity in the learning process. 2. Proficiency in reading and finding the necessary information in texts on a wide profile of the specialty, as well as business documentation. 3. Mastering the basic tools and methods of scientific research. 4. Formation of skills for identifying and using intellectual resources along with other types of company resources, as well as skills for analyzing the effectiveness of innovative projects using modern software products, the ability to present innovative projects. 5. The ability to use knowledge of traditional and modern problems of the history and philosophy of science in research activities in the professional direction. 6. Has an idea of the modern directions of logistics development, the formation of business processes, philosophical, historical, pedagogical, psychological aspects of social and humanitarian knowledge. 7. Participates in the development of strategic and operational logistics plans at the level of a subdivision (section) of the logistics system,

	<p>taking into account the goals and objectives of the organization as a whole. Organize the work of elements of the logistics system.</p> <p>8. Plans and organizes the document flow within the logistics system section.</p> <p>9. Owns the methodology of designing, organizing and analyzing at the level of a subdivision (site) of a logistics inventory management system and distribution channels.</p> <p>10. Participates in the development of the infrastructure of the supply management process and the organizational structure of supply management at the level of a subdivision (section) of the logistics system, taking into account the goals and objectives of the organization as a whole.</p> <p>11. Draw up a program and monitor performance indicators at the level of a subdivision (site) of the logistics system (suppliers, intermediaries, carriers and the efficiency of the warehouse and distribution channels).</p> <p>12. Uses various models and methods of inventory management.</p>
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Developers:

Members of the working group:

Head of the Marketing Department, Candidate of Economics, Associate Professor

Associate Professor of the Department of Marketing, Candidate of Economics

Assistant Professor of the Department of Marketing, Candidate of Technical Sciences

1st year Master's student in Logistics (by industry)

D.G. Mamrayeva

L.V. Tashenova

B.O. Mukanov

A.T. Kuldeeva

The educational program is considered by the Faculty Council from 15.03.2023 № 8

The educational program was considered at the meeting of the Academic Council from ___ minutes No. 5 29.04.2023

The educational program was considered and approved at the meeting of the University Board from ___ No. 12 30.05.2023

Member of the Board-Vice-Rector for Academic Affairs

T.Z. Zhusipbek

Acting director of the Department for Academic Work

S.A. Smailova

Dean of the Faculty of Economics

Zh.S. Khussainova

**EDUCATIONAL PROGRAM DEVELOPMENT PLAN
7MI1302-LOGISTICS (BY INDUSTRY)**

The purpose of the Plan is to contribute to improving the quality of the conditions for the implementation of the educational program, taking into account the current requirements of the labor market and the achievements of modern science.

Target indicators

№	Indicators	Unit of measurement	2023-2024 (in fact)	2024-2025 (plan)	2025-2026 (plan)	2026-2027 (plan)
1	Human resources development					
1.1	Increase in the number of teachers with academic degrees	Number of people	1	1	1	1
1.2	Advanced training in the teaching profile	Number of people	5	4	4	4
1.3	Involvement of practitioners in teaching	Number of people	1	1	1	1
1.4	Other	Number of people	-	-	-	-
2	Promotion of the EP in the ratings					
2.1	IQAA	Position	-	2	2	2
2.2	IAAR	Position	3	2	2	2
2.3	Atameken	Position	-	-	-	-
3.	Development of educational and scientific-methodical literature, electronic resources					
3.1	Textbooks	Number	1	1	1	1
3.2	Training manuals	Number	1	1	2	2
3.3	Methodological recommendations/instructions	Number	1	2	3	3
3.4	Electronic textbook	Number	1	1	2	2
3.5	Video/audio lectures	Number	1	3	2	2
3.6	Other	Number	-	-		

4.	Development of educational and laboratory facilities	Number				
4.1	Purchase of software products	Number	-	1	1	-
4.2	Purchase of equipment	Number	1	1	1	1
4.3	Other	Number	-	-	-	-
5.	Updating the content of the EP					
5.1	Updating the learning outcomes and the list of disciplines taking into account the requirements of the labor market, scientific achievements, professional standards	Year	+	+		+
5.2	Introduction to the EP of academic disciplines in foreign languages	Year		+		
5.3	Introduction of new teaching methods	Year	+	+	+	+
5.4	Opening of joint/two-degree program on the basis of the EP	Year		+		
5.5	Other	Year	-	-	-	-

Head of the Marketing Department



D.G. Mamrayeva