Joint Stock Company «Academy of Logistics and Transport»

APPROVE
US ALT decision dated
"30" 03 2023 (Protocol №3)
President-Rector
Amirgalieva S.N.

EDUCATIONAL PROGRAM

Name: 7M11354 Logistics (by industry)

Level of training: master's degree

Code and classification of areas of study: 7M113 Transport services

Code and group of educational programs: M152 Logistics (by industries)

Date of registration in the register: 24.05.2021

Registration number: 7M11300049

Almaty, 2023 г.

CONTENT

1. INFORMATION ABOUT CONSIDERATION, APPROVAL AND APPROVAL OF THE PROGRAM, DEVELOPERS, EXPERTS AND REVIEWERS

1 DEVELOPED:

JSC "Academy of Logistics and Transport", Associate Professor of ALIT, Head of the Department of LMT	*(signature)*	Musalieva Roza Dzhalilovna
And about. Head of the Department of Work Fleet Accounting and Order Execution of KTZ EXPRESS JSC	*(signature)*	Abdreev Gabit Almasovich
Master's student 1st year, gr. MN-RPL-21-1, JSC "ALT"	(signature)	Erkebay Aya Nurlankyzy

2 EXPERTS:

CF&S Kazakhstan company, railway transport specialist	*(signature)*	Korzhumbayeva Saida Takhirovna
Candidate of Technical Sciences, Associate Professor of the Department of Traffic Management, Transport Management and Logistics (International Transport and Humanities University)	*(signature)*	Kenzhebayeva Gaukhar Zhumashevna

3 REVIEWER:

Candidate of Technical Sciences, Associate Professor, Faculty of Engineering and Information Technologies, Kazakh-German University	(signature)	Arimbekova Perizat Madenietovna

4 REVIEWED AND RECOMMENDED:

Meeting of the department "Logistics and management in transport" (protocol No. 7 "27" February 2023)	*(signature)*	Musalieva Roza Dzhalilovna
Meeting of the COC UMB Institute of Logistics and Management (protocol No. 7 "28" February 2023)	*(signature)*	Kaltaev Aidyn Kaldayakovich
Meeting of the COC UMB Institute of Logistics and Management (protocol No. 7 "28" February 2023)	*(signature)*	Zharmagambetova Meruert Sovetovna

APPROVED by decision of the Academic Council dated March 30, 2023, protocol No. 13

UPDATED 05/30/2023.

2. NORMATIVE REFERENCES

The educational program is developed on the basis of the following legal acts and professional standards:

1. Law of the Republic of Kazakhstan "On Education" dated July 27, 2007 No. 319-III (as amended and supplemented as of March 27, 2023).
2. National qualifications framework, approved by the protocol of March 16, 2016 by the Republican Tripartite Commission on Social Partnership and Regulation of Social and Labor Relations.
3. Industry qualifications framework for the field of Education, approved by the Minutes of the meeting of the industry commission of the Ministry of Education and Science of the Republic of Kazakhstan on social partnership and regulation of social and labor relations in the field of education and science dated November 27, 2019 No. 3.
4. State compulsory standard of higher education (Order of the Minister of Science and Higher Education of the Republic of Kazakhstan dated February 20, 2023 No. 66).
5. Qualification reference book for positions of managers, specialists and other employees, approved by order of the Minister of Labor and Social Protection of the Population of the Republic of Kazakhstan dated August 12, 2022 No. 309.
6. Rules for organizing the educational process on credit technology of education in organizations of higher and (or) postgraduate education, approved by Order of the Minister of the Ministry of Education and Science of the Republic of Kazakhstan No. 152 dated April 20, 2011 (with additions and changes dated April 4, 2023 No. 145).
7. Classifier of areas of training for personnel with higher and postgraduate education, approved by order of the Minister of Education and Science of the Republic of Kazakhstan dated October 13, 2018 No. 569 (with amendments and additions as of June 5, 2020).
8. Algorithm for inclusion and exclusion of educational programs in the Register of educational programs of higher and postgraduate education, approved by Order of the Minister of Education and Science of the Republic of Kazakhstan dated December 4, 2018 No. 665 (with additions and changes as of December 23, 2020 No. 536).
9. RI-ALT-33 "Regulations on the procedure for developing an educational program for higher and postgraduate education."
10. Professional standard "Transport and forwarding services" NCE RK "Atameken" order No. 239 dated 09/06/2018.
11. Professional standard "Logistics of passenger transportation" of the NCE RK "Atameken", approved by Order No. 256 of December 20, 2019.
12. Professional standard. Production logistics of NCE RK "Atameken", approved by order No. 256 of December 20, 2019.

3. PASSPORT OF THE EDUCATIONAL PROGRAM

№	Field name	Note
1	Registration number	7M11300049
2	Code and classification of the field of education	7M11 Services
3	Code and classification of areas of study	7M113 Transport services
4	Code and group of educational programs	M152 Logistics (by industries)
5	Name of the educational program	7M11354 Logistics (by industry)
6	EP type	Acting EP
7	EP purpose	Training of highly qualified specialists capable of professional growth, able to analyze and solve problems using innovative technologies to improve transport and logistics systems.
8	ISCED level	7
9	Level on NQF	7
10	Level on SQF	7
11	EP distinctive features	No
	Partner Higher education institution (joint educational program)	-
	Partner higher education institution (two-degree educational program)	-
12	Form of training	Full-time
13	Language of education	russian
14	Volume of the credits	240
15	Awarded Academic Degree	Master in the educational program 7M11354 Logistics (by industry)
16	Availability of an appendix to the license for the direction of training	KZ12LAA00025205 (002)
17	EP accreditation existence	Available
	Name of the accreditation body	ND "Independent Agency of Accreditation and Rating"(HAAP/IAAR)
	Validity period of accreditation	27.05.2021 - 27.05.2026 years

4. COMPETENCE MODEL OF A GRADUATE

Objectives of the educational program:

1. Promoting the development of the graduate's ability to:

1) identifying current problems in the study of logistics systems at micro- and macroeconomic levels;

2) searching for and using information necessary for the effective performance of professional tasks, professional and personal growth;

3) application of models and methods to solve management problems of logistics;

4) organizing and ensuring the functioning of logistics processes at the enterprise;

5) formation of creative thinking and ideas about the processes of solving strategic problems of design and management of logistics infrastructure facilities at the macroeconomic level.

2. Promoting the formation of graduates' readiness to:

1) solve problems that arise in the process of creating and improving material, financial and information flows from supplier to consumer;

2) organize logistics processes at enterprises, solve problems associated with these processes, make decisions on the rational provision and functioning of logistics systems;

3) develop and implement logistics strategies of the enterprise, strategic plans in the field of logistics;

4) develop logistics chains and schemes that ensure the rational organization of effective promotion of material flows;

5) manage the risks of the enterprise's logistics system;

6) ensure effective logistics activities and thereby contribute to the solution of the important socio-economic task of meeting consumer needs.

Learning outcomes:

ON1 - Solve engineering problems in professional activities using the methods of natural sciences, mathematical analysis and modeling.

ON2 - Apply methods and models for planning and managing processes, analyzing the logistics activities of transport enterprises on a scientific basis.

ON3 - Use modern tools in enterprise management based on information technology in logistics activities.

ON4 - Develop transport and technological schemes for the delivery of goods with the implementation of forwarding control.

ON5 - Formulate methodological recommendations for strategic and innovative inventory management in the supply chains of transport and production systems.

ON6 - Research and apply methods of planning and managing the logistics activities of an enterprise in solving practical problems.

ON7 - Assess the competitiveness of transport systems and the market of transport and logistics services; predict cargo flows on highways using intelligent technologies.

ON8 - Demonstrate knowledge of the basics of personnel management, production, management, management psychology; apply information, ideas, conclusions and decisions.

ON9 - Apply knowledge of a foreign language when writing reports, scientific publications and papers, when discussing problematic issues with the scientific community and in professional activities.

ON10 - Solve the tasks of managing logistics risks in supply chains, analysisconflict situations in transport and logistics activities.

Area of professional activity: the field of science and technology, which includes a set of means, methods and methods of human activity aimed at the use of algorithmic, hardware and software systems and means of monitoring and managing moving objects, autonomous systems,

technological lines and processes, partially liberating or completely from direct participation in the processes of obtaining, converting, transferring and using energy, materials and information

Objects of professional activity: Objects of professional activity: are automatic and automated systems and means of control and management, their mathematical, information, technical and software; methods and methods of their design, production and operation in various sectors of the national economy.

Types of professional activity: research and consulting, calculation and design, organizational and management.

Functions of professional activity:

- Study of literary sources in the areas of logistics research in the field of logistics. Collection and preliminary processing of logistics information based on domestic and foreign periodicals, educational literature, monographs and Internet data.
- Preparation of data for the preparation of analytical reviews and reports on scientific publications in aspects of the development of modern logistics. Participation in research, consulting projects and grants in logistics as a responsible executor and executor. Preparation of scientific and technical reports on research topics.
- Participation in research, consulting projects and grants in logistics as a responsible executor and executor. Preparation of scientific and technical reports on research topics.
- building models of material and information flows in the logistics system. Modeling of logistics decision-making processes. Computer implementation of a complex of models of subjects and objects of management in a logistics system. Assessing the accuracy and quality of modeling.
- Participation in the design and implementation of modern logistics technology systems for industrial and trading companies in terms of: organizing logistics services (departments) in companies; development of logistics processes in functional areas of business organizations:
- Supply, production, distribution; warehouse design, development and implementation of the logistics process in the warehouse; Inventory Management; transport support for logistics (intermodal and multimodal logistics transportation technologies, choice of carrier and forwarder, optimal routing);
- Procurement management, optimization of material and technical support for manufacturing enterprises, trade enterprises and the service sector;
- Participation in the implementation of intellectual property and protection of scientific research works.

List of specialist positions: head of the transport and logistics department, head of the production logistics group, logistics director, deputy general director for logistics, transport director, head of the transport logistics department and deputy director for transport logistics.

Professional certificates received upon completion of training: not provided.

Requirements for previous level of education: higher education (bachelor's degree).

During the training process, students undergo various types of professional practice:

- production.

Internship.

The goals of the production are to ensure continuity and consistency in the mastery of professional skills by undergraduates in accordance with the requirements for the level of

training of graduates, the formation of professional competencies and the preparation of a master's project.

The internship of a master's student is carried out with the aim of consolidating theoretical knowledge acquired in the learning process, acquiring practical skills, competencies and professional experience in the specialty being trained, as well as mastering best practices.

The objectives of industrial practice are:

- Study and analysis of information processes, methods of obtaining, converting and processing information in enterprises or organizations;
- Approbation of the results of research work of undergraduates, using the example of solving production problems of informatization and automation of business processes;
- Collection of initial data and materials for work on the master's project.

Experimental research work.

Organization and systematization of master's students' knowledge in order to use their creative and intellectual potential to solve current problems in science and technology. Forming an interest in scientific creativity among undergraduates, teaching them methods and ways to independently solve scientific research problems. Organization of training of master's students in the theory and practice of scientific research. Development of creative thinking and independence among undergraduates, deepening and consolidating the acquired theoretical and practical knowledge.

The scientific internship of a master's student is carried out with the aim of familiarizing himself with innovative technologies and new types of production in scientific organizations and/or organizations of relevant industries or fields of activity.

Final examination. The purpose of the final certification of a master's student is to assess the learning outcomes and key competencies achieved upon completion of the master's educational program. The final certification of the master's student is carried out in the form of writing and defending a master's thesis.

5. MATRIX OF CORRELATION OF LEARNING OUTCOMES IN THE EDUCATIONAL PROGRAM WITH EDUCATIONAL DISCIPLINES / MODULES

№	Name of the discipline	Amount of credits	Matrix for correlating learning outcomes in an educational program with academic disciplines									
			ON 1	ON 2	ON 3	ON 4	ON 5	ON 6	ON 7	ON 8	ON 9	ON 10
1	Management	2	+				+					
2	Foreign language (professional)	2		+								
3	Psychology of management	2	+				+					
4	Lean manufacturing	9	+				+					
5	SMART technologies in transport	9				+				+		+
6	Operational development methodology	6			+		+					+
7	Supply chain management and business intelligence	9					+					
8	Internship	7	+	+	+	+	+	+	+	+	+	+
9	Freight forwarding	9	+						+		+	
10	Modern enterprise management tools	9	+				+					+
11	Logistics risk management in supply chains	6							+			
12	Risks in logistics	6										+
13	Strategic management and innovation in supply chains	6						+		+		
14	Supply Chain Inventory Management	6			+			+				
15	Automation / robotization of logistics processes	6			+	+						
16	Methods and models of decision making in logistics	6				+				+		
17	Experimental research work of a master's student, including internship and master's project	18	+	+	+	+	+	+	+	+	+	+
18	Preparation and defense of a master's thesis (PDMTh)	8	+	+	+	+	+	+	+	+	+	+

6. STRUCTURE OF THE BACHELOR'S EDUCATIONAL PROGRAM

№ п/п	Name of cycles of disciplines	General labor intensity	
		in academic hours	in academic hours
1	Theoretical training	**1920**	**64**
1)	Cycle of basic disciplines (CD)	**450**	**15**
	University component (UC)	**180**	**6**
	Management	60	2
	Foreign language (professional)	60	2
	Psychology of management	69	2
	Component of choice (CCh)	**270**	**9**
	Cycle of major disciplines (CMD)	**1490**	**49**
	University component (UC)	**660**	**22**
2)	**Internship**	210	7
2	Component of choice	810	27
1)	**Research work of a master's student**	**540**	**18**
2)	Experimental research work of a master's student, including internship and master's project	540	18
3	**Additional types of training (ATT)**		
1)	**Final examination (FE)**	**240**	**8**
4	Preparation and defense of a master's thesis (PDMTh)	240	8
	Total	**2700**	**90**

JSC "Academy of Logistics and Transport"

Form of study: full-time

Duration of study: 1.5 years

Admission: 2023

Educational Plan

Direction of training: 7M0113 Transportation services
Group of educational programs:
M0152 - Logistics (by industry)
Name of the educational program:
7M11354 - Logistics (by industry)
Degree: Master's degree

УТВЕРЖДЕН/ика жане
Решением Ученого совета АЛТ
от _____ 2023 г. Протокол №
Председатель Ученого совета
С.Н. Амиралиева

№	Discipline code	Name of cycles and disciplines	Total labor intensity		Form of control, semester		The amount of study load, contact hours						Distribution by semester			Securing the chair
								Classroom			IWS		1 course		2 course	
			in academic hours	in academic credits	Exam	KII (KP)	Total hours	lectures	practical	laboratory	IWSGT	IWS	1 sem.	2 sem.	3 sem.	
													15 week	15 week	15 week	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	CYCLE OF BASIC DISCIPLINES (DB):															
1,1		University component:	180	6	3		180	23	22	0	24	111	4	2	0	
1.1.1	23-0-M-VK-Meng	Management	60	2	1		60	15			8	37	2			TLM
1.1.2	23-0-M-VK-IYa(P)	Foreign language (professional)	60	2	1		60		15		8	37	2			LT
1.1.3	23-0-M-VK-PU	Management Psychology	60	2	2		60	8	7		8	37		2		Shd and Pe
1,2		Component of choice:	270	9	2	0	270	45	45	0	8	172	0	9	0	
1.2.1	23-33-M-KV-BP	Lean manufacturing	270	9	2		270	45	45		8	172		9		RS
	23-0-M-KV-SMARTTT	SMART technologies in transport														
	TOTAL by DB cycle:		450	15			450	68	67	0	32	283	4	11	0	
2	CYCLE OF PROFILE DISCIPLINES (PD):															
2,1		University component:	660	22			660	75	75	0	16	284	9	6	7	
2.1.1	23-0-M-VK-MER	Operational development methodology	180	6	2		180	30	30		8	112		6		OTOT
2.1.2	23-54-M-VK-UZPBA	Supply Chain management and business intelligence	270	9	1		270	45	45		8	172	9			OTOT
2.1.4	23-0-M-VK-PPr	Production practice	210	7	3		210								7	TLM
2,2		Component of choice:	810	27	6	0	810	135	135	0	32	508	15	12	0	
2.2.1	23-54-M-KV-EGP	Freight forwarding	270	9	1		270	45	45		8	172	9			TLM
	23-54-M-KV-SIUP	Modern enterprise management tools														TLM
2.2.2	23-54/55-M-KV-ULRZP	Managing logistical risks in supply chains	180	6	2		180	30	30		8	112		6		TLM
	23-54/55-M-KV-RL	Risks in logistics														TLM
2.2.3	23-54/55-M-KV-SUIDZP	Strategic management and innovation in chains	180	6	1		180	30	30		8	112	6			TLM
	23-54/55-M-KV-UZP	Inventory management in supply chains														
2.2.4	23-54/55-M-KV-ARLP	Automation/robotization of logistics processes	180	6	2		180	30	30		8	112		6		TLM
	23-54/55-M-KV-MMPRL	Methods and models of decision-making in logistics														TLM
	TOTAL for the PD cycle:		1470	49			1470	210	210	0	48	792	24	18	7	
	TOTAL FOR THE THEORETICAL COURSE OF STUDY (TKS):		1920	64			1920	278	277	0	80	1075	28	29	7	
4	23-0-M-VK-EIRM	EXPERIMENTAL RESEARCH WORK OF A GRADUATE STUDENT, INCLUDING INTERNSHIPS AND THE IMPLEMENTATION OF A MASTER'S PROJECT	540	18									2	1	15	TLM
5	23-0-M-VK-OZMP	Registration and protection of the master's project	240	8											8	TLM
	TOTAL FOR THE ENTIRE PERIOD OF STUDY:		2700	90									30	30	30	

AGREED:
Vice-Rector for AD _____ Zharmagambetova M.S.

Director of the DACAK _____ Lipskaya M.A.

DEVELOPED:
Director of the institute "LM"
_____ Kaltaev A.K

Head of the department "TLM"
_____ Musalieva R.D.

8. CATALOG OF DISCIPLINES OF THE UNIVERSITY COMPONENT

EDUCATIONAL PROGRAM **7M11354 Logistics (by industry)**

Level of education: master's degree **Duration of study: 1,5 year** **Year of admission: 2023 year**

Cycle	Compo-nent	Name of the discipline	General labor intensity		Semes-ter	Lear ning outco mes	Brief description of the discipline	Prerequisites	Postrequisites
			in acade mic hours	in acade-mic credits					
1	2	3	4	5	6	7	8	9	10
BD	UC	Manage-ment	60	2	1	ON	Forms knowledge about the organization as an object of management, considers situational and process approaches in management, engineering and reengineering of business processes, explores the theory and practice of management, explores the role functions of a manager and subordinates, studies methods of planning a management strategy, stimulating performers to highly productive work, organizing effective control, etc., gives practical skills in developing a management style and tactics for making managerial decisions. Active teaching methods are used, such as role-playing games, etc.	Undergraduate disciplines	Psychology of management, Internship,
BD	UC	Foreign language (professio-nal)	60	2	1	ON 2	It is aimed at studying the theoretical and methodological foundations of management psychology, the main socio-psychological problems of management and ways to solve them, familiarization with the methods of studying important socio-psychological characteristics of the individual and the team, professional, interpersonal and intrapersonal problems by means of management psychology. The discipline uses active teaching methods: teamwork, cluster, role-playing games, discussions, brainstorming ("brain attack"), express survey	Undergraduate disciplines	Logistics risk management in supply chains, Lean manufacturing

1	2	3	4	5	6	7	8	9	10
BD	UC	Psychology of management	60	2	2	ON 1	Aimed at studying the theoretical and methodological foundations of management psychology, the main socio-psychological problems of management and ways to solve them, familiarization with methods for studying important socio-psychological characteristics of the individual and team, professional, interpersonal and intrapersonal problems using management psychology. The discipline uses active learning methods: teamwork, cluster, role-playing games, discussions, brainstorming ("brainstorming"), express survey	Undergraduate disciplines	Internship, Experimental research work of a master's student, including internship and master's project
PD	UC	Operational development methodology	180	6	2	ON	Studies preparation for work on a master's project, search for sources of information and work with primary sources, methodology of experimental developments, object modeling, theoretical research, experimental research, processing of research results, and preparation of an application for an invention. There are sections devoted to the definition, evolution and methodology of science, the peculiarities of the institute of education, since the interaction of these institutions determines the ways of becoming a scientific researcher. During the training, knowledge control is provided in the form of homework, such as writing articles, etc.	Freight forwarding, Strategic management and innovation in supply chains	Internship, Experimental research work of a master's student, including internship and master's project
PD	UC	Supply chain management and business intelligence	270	9	1	ON	Explore the role of transport in the supply chains of goods. Compare supply chain logistics strategies, analyze supply chain SCOR models. The use of planning in supply chains related to the choice of a solution for the project of forming a logistics chain. Implementation of information support for integrated planning. Within the framework of the discipline, interactive teaching methods, the calculation-analytical method, the case-task method, game methods are used.	Undergraduate disciplines	Logistics risk management in supply chains, Experimental research work of a master's student, including internship and master's project

1	2	3	4	5	6	7	8	9	10
PD	UC	Internship	210	7	3	ON 1 – ON 10	Ensuring the continuity and consistency of master's students' mastery of professional skills in accordance with the requirements for the level of graduates' training, the formation of professional competencies and the preparation of a master's project.	Logistics risk management in supply chains, Operational development methodology	Experimental research work of a master's student, including internship and master's project, Final examination

9. CATALOG OF DISCIPLINES OF THE OPTIONAL COMPONENT

EDUCATIONAL PROGRAM **7M11354 Logistics (by industry)**

Level of education: master's degree **Duration of study: 1,5 year** **Year of admission: 2023 year**

Cycle	Component	Name of the discipline	General labor intensity		Semester	Learning Outcomes	Brief description of the discipline	Prerequisites	Postrequisites
			in academic hours	in academic credits					
1	2	3	4	5	6	7	8	9	10
BD	EC	Lean manufacturing	270	9	2	ON1 ON5	Studies the basics of organization management based on the principles of lean production: minimizing all types of losses in the course of activity, achieving the maximum possible result in the shortest possible period of time, rational use of all types of resources, improving aspects of the organization's activities, involving employees in technological processes; formation of lean thinking among future managers, correlated with the ideas of concepts relevant to the modern world sustainable development and conscious consumption.	Supply chain management and business intelligence, Freight forwarding	Internship, Experimental research work of a master's student, including internship and master's project
		SMART technologies in transport				ON4 ON8 ON10	The intellectual technologies used in railway transport are considered and studied. The basic concepts of the current state and prospects for the development of railway transport infrastructure based on SMART technologies are described. Familiarization of students and the formation of skills for assessing the improvement of operational safety of railway infrastructure facilities, taking into account the development of computer technologies, software and artificial intelligence. Active teaching methods and brainstorming are used.	Supply chain management and business intelligence, Freight forwarding	Internship, Experimental research work of a master's student, including internship and master's project

1	2	3	4	5	6	7	8	9	10
PD	EC	Freight forwarding	270	9	1	ON1 ON7 ON9	Designing transport and technological schemes for the delivery of goods, the ability to organize forwarding control in the preparation of goods for shipment. Ability to apply the rules of freight forwarding by all modes of transport, using international conventions in the organization of international transportation. When studying the discipline, semester work is used, in which situational tasks are solved.	Undergraduate disciplines	Logistics risk management in supply chains, Automation / robotization of logistics processes
		Modern enterprise management tools				ON1, ON5, ON10	Modern tools for effective enterprise management are considered: costs, supply, storage, distribution of enterprise resources. Establish effective methods for managing the work of the enterprise, use the performance indicators of the enterprise management assessment system, offer information, innovative technologies that ensure the efficiency of the enterprise. When studying the discipline, semester work is used, in which situational tasks are solved.	Undergraduate disciplines	Operational development methodology, Automation / robotization of logistics processes
PD	EC	Logistics risk management in supply chains	180	6	2	ON10	The study of risk analysis and management methods based on the classical approach of risk theory, the concept of utility, the use of a decision tree, market risk management. Redistribution of logistics risks, management of logistics risks based on their diversification for orientation in applied work on analysis and risk management in supply chains and obtaining risk management skills based on the methods listed above. Within the framework of the discipline, interactive teaching methods, the calculation-analytical method, the case-task method, game methods are used.	Supply chain management and business intelligence, Strategic management and innovation in supply chains	Internship, Experimental research work of a master's student, including internship and master's project
		Risks in logistics				ON10	Formation of knowledge on risk management: planning, identification, analysis, preparation of a response plan, monitoring and control to identify hazards, calculate potential impacts and take measures to eliminate them. Risk assessment and damage determination using methods based on the modern apparatus of statistics, mathematics, probability theory and modeling, as well as the collection and analysis of information necessary to solve the set production problems. Within the framework of the discipline, interactive teaching methods, the calculation-analytical method, the case-task method, game methods are used.	Freight forwarding, Strategic management and innovation in supply chains	Internship, Experimental research work of a master's student, including internship and master's project

1	2	3	4	5	6	7	8	9	10
PD	EC	Strategic management and innovation in supply chains	180	6	1	ON6 ON8	Formation of a modern understanding of the processes of solving strategic problems both at the level of the company"s logistics department and at the level of the supply chain management structure by studying the scientific foundations of the principles, methods and tasks of organizing strategic management in cargo supply chains, the functioning of innovative activities in supply chains, and modeling innovations in supply chain engineering and technology. As part of the study of the discipline, guest lectures by representatives of production are provided.	Undergraduate disciplines	Lean manufacturing, Experimental research work of a master's student, including internship and master's project
		Supply Chain Inventory Management				ON3 ON6	The study of the theory of inventory management to ensure their sufficient volume for the production of the planned quantity of goods on time at the minimum cost of their maintenance using methods for predicting the need for inventory. Establish basic inventory management models in supply chain links, apply management methods for various groups of stocks, be able to allocate resources in supply chains to determine the costs associated with production and build a stock management model. As part of the study of the discipline, guest lectures by representatives of production are provided.	Undergraduate disciplines	Logistics risk management in supply chains, Experimental research work of a master's student, including internship and master's project
PD	EC	Automation / robotization of logistics processes	180	6	2	ON3 ON4	The use of computer software and automated mechanisms to improve the efficiency of logistics operations. Management of supply chain systems and enterprise resource planning systems. Use the features of the development of technological processes of automated production. Provide recommendations for the effective implementation of business process automation technologies (conveyor belt or unmanned vehicles) to reduce work completion time. Within the framework of the discipline, the implementation of the EIRM is provided.	Management, Freight forwarding	Internship, Experimental research work of a master's student, including internship and master's project
		Methods and models of decision making in logistics				ON4 ON8	Studying the principles of organizing planning and operational analysis of various methods and models for decision-making in logistics. Establish expert judgment in decision making. Mastering the methods of calculating the simulation of the transportation process. To develop the norms of labor costs and determine the qualitative and quantitative indicators of the	Management, Freight forwarding	Internship, Experimental research work of a master's student, including internship and

							enterprise. Analyze the obtained research data on the examination of technological processes. Apply a system-dynamic approach to modeling decision making in logistics. Within the framework of the discipline, the implementation of the EIRM is provided.		master's project
Total			**1080**	**36**					

EXPERT OPINION

for master's degree programs
7M11354 – Logistics (by industry) – 1.5 years and
7M11355 – Logistics (by industry) – 2 years

Currently, the issue of meeting the needs of transport industry enterprises for highly professional personnel to ensure effective socio-economic development of the country, as well as improving the quality of training, strengthening its practical significance and focus on solving specific production problems is particularly acute.

In order to provide highly qualified personnel, the Academy of Logistics and Transport opened educational programs 7M11354 - Logistics (by industry) - 1.5 years and 7M11355 - Logistics (by industry) - 2 years.

This will provide an opportunity to develop the logistics sector of the transport industry in the Republic of Kazakhstan, open new transport and logistics facilities, and improve the quality of service for shippers.

Educational programs 7M11354 – Logistics (by industry) and 7M11355 – Logistics (by industry) are aimed at training highly qualified specialists, taking into account the needs of the modern labor market, who have engineering skills in various areas of the transport industry, as well as in the design and research industries . The area of professional activity of the master is production and all sectors of the national economy.

Master of Science in EP 7M11354 – Logistics (by industry) and Master of Services in EP 7M11355 – Logistics (by industry) as a specialist, meets a number of requirements:

- must have scientific fundamental and professional training,
- must be proficient in modern information technologies, including methods of obtaining, processing and storing scientific information;
- be able to formulate and solve modern practical and theoretical problems;
- be able to use the acquired knowledge to solve production problems (in the specialized area) and scientific and pedagogical tasks in the process of working in educational institutions.

The content of professional activities corresponds to the goals of the educational program. The educational program covers all types of professional activities of the master's student; the presence of scientific research and internships in sufficient quantities allows one to master the necessary knowledge and skills.

The educational program passport describes the scope of application of the educational program, which corresponds to the training program: work in scientific and research organizations of any form of ownership.

Educational programs are aimed at solving the main task, namely the training of highly qualified specialists - masters - with in-depth professional training, competitive in the domestic and international labor market. This involves the integration of research activities and training in the educational process, the

implementation of the educational process using credit learning technology based on the principles of interdisciplinarity and a competency-based approach.

The examination was carried out by:

CF&S Kazakhstan company,
railway transportation specialist Korzhumbayeva S.T.

EXPERT OPINION

for master's degree programs
7M11354 – Logistics (by industry) – 1.5 years and
7M11355 – Logistics (by industry) – 2 years

The goal of the educational program is to train highly qualified personnel with research, pedagogical and professional competencies in the field of resource-efficient production logistics, capable of predicting and modeling logistics processes in the transport services market.

The educational program was created in accordance with the needs of the labor market for personnel with higher education. The choice of activities is determined by the training profile, as well as the needs of interested employers.

An urgent problem at the moment for the Kazakhstan market is the insufficient quantity and quality of qualified and competitive specialists in the field of transport logistics with in-depth competencies of knowledge of the transportation process.

The uniqueness of the educational program is that the master's student will receive not only competencies in the field of cargo transportation, but will also receive in-depth knowledge of entrepreneurial competencies.

The educational programs under consideration for 1.5 and 2 years of study are very relevant, and graduates will be in demand, because production needs specialists with knowledge in the field of transportation and mastery of modern technologies for cargo delivery.

The implementation of educational programs is ensured by qualified personnel engaged in scientific and scientific-methodological activities. The staffing of the teaching staff for educational programs meets the qualification requirements for educational activities.

Based on the examination, the following conclusions can be drawn:

- the educational programs submitted for consideration meet the requirements of the State Educational Standard of the Republic of Kazakhstan;
- structural elements of educational programs are implemented taking into account the competency-based approach;
- in educational programs there is a logical relationship between competencies, learning outcomes and academic credits.

Candidate of Technical Sciences, Associate Professor of the Department
"Organization of traffic management
in transport and logistics"
International transport
Humanitarian University) *Kenzhebayeva G.Zh.*

REVIEWER

for a master's degree program
7M11354 – Logistics (by industry) – 1.5 years and
7M11355 – Logistics (by industry) – 2 years

The programs are developed for undergraduates in specialized and scientific-pedagogical areas.

The educational programs present new disciplines that reveal the direction of training; in this regard, master's educational programs seem relevant.

The goal of master's programs is to train highly qualified personnel with research, teaching and professional competencies in the field of resource-efficient production logistics, capable of predicting and modeling logistics processes in the transport services market.

The most important competencies acquired by a master's student in the program include the ability to combine and solve problems that arise in the process of creating and improving material, financial and information flows from supplier to consumer; organize logistics processes at enterprises, solve problems associated with these processes, make decisions on the rational provision and functioning of logistics systems; organize logistics chains and schemes that ensure rational organization and effective promotion of material flows; ensure effective logistics activities and thereby contribute to solving the important socio-economic task of meeting consumer needs.

The program provides for the development of modern methods of organizing and monitoring the transmission and processing of data, the study of methods and their application in professional activities.

The basis of the master's program is the courses "Organization and planning of scientific research (English)", "Logistic analysis of the activities of transport enterprises", "Market research for freight transportation and logistics services", "Strategic management and innovation in supply chains". The program also provides for the acquisition of experience during a scientific internship.

The Academy of Logistics and Transport is provided with all the necessary resources (information, personnel, material and technical), has access to production bases, which allows for various types of training for undergraduates and research work.

The system for assessing students' mastery of a master's program includes tests, exams and contains automated tools for assessing the completion of practical tasks and a fund of assessment tools for the educational program (materials for current, intermediate and final certification).

Master's programs are provided with educational and methodological materials prepared by scientific and pedagogical personnel with appropriate qualifications, which contributes to the formation of professional competencies and labor market requirements.

Thus, the peer-reviewed master's programs are sufficient for the formation of specialists who have fundamental training in the field of transport systems, ready

for a successful career in government agencies, systemically important enterprises, in scientific and educational organizations.

Ph.D., Associate Professor, Faculty of Engineering and information technology
Kazakh-German University

Arimbekova P.M.

Academy of Logistics and Transport

PROTOCOL №. 6a

Meeting
Academic Committee for the Educational Program and leading teachers of the Department of Logistics and Transport Management

Almaty, February 27, 2023

Chairman: Musalieva R.D.
Secretary: Tazhmuratova A.A.

Present: Head of the Department Musalieva R.D., Professor Zhanbirov Zh.G.; Academic Associate Professor of ALT Malikova L.M., Assistant Professor Kaltaev A.K., Murzabekova K.A., Sugurova A.Zh., Maulina N.Kh., Akhmetzhanova A.Kh.; Senior lecturer Badambayeva S.E., Olzhabaeva R.S., Userbaeva A.S., Ursarova A.K., lecturer Elesheva Zh.B. Assistant Lecturer Slambek D.K.

Production representatives:

1. Bachelor's degree programme:

- Shakirtkhanov B.R. - Bastion Trans Logistics LLP, Chairman of the Board of Directors, PhD in Economics;
- Tantakova S.I. - NC KTZ JSC, Directorate of Automation and Digitalization, Leading Engineer of the Automated Control System;
- Suvanbayeva F.G. - NIITK LLP, Head of Project Management Department;
- Makhtayev T.B. - KTZ Express JSC - KTZE Yuzhny, Branch Director;
- Tokanov D.B. - Almaty Certification Bureau LLP, director;

2. For the Master's programme:

- Shurmanov Adil Kusainovich - EcoEnergoGas LLP, General Director;
- Suvanbayeva F.G. - NIITK LLP, Head of Project Management Department;
- Abdreev G.S. – Acting Head of the Department of Accounting of the Working Fleet and Execution of Orders of KTZ Express JSC.

3. Doctoral EP: Toktamysova A.B. - Director of STLC LLP, Ph.D.

Students: Kaltaeva D. – student 4 courses, Lytkin D. – student 4 courses, Sasanbayev D. – student TL-20-4r, Toybayev N.R. - student 1 courses, S. US-TL-22-2, Sarsenbay A. - student 1 courses, CL-22-2, Tokenova A. - student 3 courses, UU-20-1, Orléans A.A. - Master 1 year old, MN-L-22-1; Erkebay A.N. - Master 1 year old, MN-RPL-21-1; Olzhabayeva R.S. - PhD student 3 years old, Sofia D-L-20-01.

AGENDA:

1. Consideration of the Graduate's Competency Model
2. Consideration of the possibility of including disciplines in QED and RUP

On the first question

SPEAKER: Head of the Department of Logistics and Management in Transport Musalieva R.D. proposed to consider the competence model of a graduate at 3 levels of education: bachelor's, master's and doctoral studies.

The graduate's competency model includes the following parts:

- the purpose and objectives of the educational program;
- learning outcomes;
- area, objects, types and functions of professional activity;
- a list of positions under the educational program;
- Professional certificates obtained at the end of the training;

- Requirements for the previous level of education.

SPEAKER: representative of employers Makhtayev T.B. Due to the specifics of employers' organizations, he proposed to reflect the following in the objects of professional activity: to adjust the description of the disciplines of the elective components, to give a clear understanding of the discipline, what competencies students need to study, what they should know, know and be able to do.

SPEAKER: Member of the Department, Ph.D., Assistant Professor Murzabekova K.A., who proposed to increase the number of credits in major disciplines, thereby enlarging disciplines, linking several disciplines that would allow you to consistently study everything in one discipline.

On the second question

SPOKEN: Head of the Department Musalieva R.D. with a proposal to hear representatives of employers and students on the inclusion of new disciplines in the QED and RUE of admission in 2023.

SPEAKER: representative of employers Shakirkhanov B.R. Today, any commercial enterprise is interested in competent specialists who have a good level of training and knowledge in the field of planning, organization and control of the movement of goods by modes of transport.

We make proposals to include the following disciplines in the RUE Bachelor's degree, revealing the needs of employers, such as: "Electronic Services in the Management of Production Logistics and Distribution", "Container Transportation and Technologies", "Digital Technologies in Supply Chain Management".

SPEAKERS: students Sasanbayev D.

I consider it necessary to include software products on Rail-office and AUTOCAD in the study of disciplines. I would really like to learn how to design and scale my knowledge in production.

DECIDED:

1. Take note of the information
2. Take into account the suggestions and recommendations of employers and students
3. Consider the possibility of including the following disciplines in the RUE:

According to EP 6B11330 – Transport Logistics: Electronic Services in Production Logistics and Distribution Management, Container Transportation and Technologies, Digital Technologies in Supply Chain Management.

According to EP 6B11328 - Service Management in the Industry"

According to EP 6B11333 - Digital Logistics: Information Systems and Supply Chain Management, Artificial Intelligence Systems in Logistics,

According to EP 6B11340 - Customs logistics: Taxes and customs payments, Customs statistics and procedures, Customs control

EP 6B04142-Economics and Management (by branches): Mathematics for Business and Economics, International Business

7M04166 - Economics and Management (profile - 1.5 years and scientific and pedagogical - 2 years): Minor: Time Management

7M11354-Logistics (by branches) (profile - 1.5 and scientific and pedagogical - 2 years): Regional Transport and Logistics Systems, Clusters of Transport and Technological Systems

7M11356-Resource-Saving Production Logistics (Scientific and Pedagogical, 2 years)": Logistic Modeling and Planning at the Enterprise, Lean Logistics.

According to EP 8D11362-Logistics (by branches): Methodology for servicing transport users, Modeling of logistics processes in production

DECIDED:

1. To provide a competency model of graduates at 3 levels of education: bachelor's, master's and doctoral studies for consideration and approval by the Council of the Institute of Logistics and Management.
2. To approve the proposed disciplines by employers, to introduce the Curriculum for Bachelor's, Master's and Doctoral studies.
3. To take into account and include in the syllabuses of disciplines the software products Rail-office and AUTOCAD conducted in practical and laboratory classes.

Chairman: **Musalieva R.D.**

Secretary: **Tazhmuratova A.A.**

Academy of Logistics and Transport

PROTOCOL №. 4

Meetings of the KOC UMB of the Institute of Logistics and Management

Almaty, February 28, 2023

Chairman: Kaltayev A.K.
Secretary: Maulina N.Kh.
Present: Kaltayev A.K. - Chairman, Director of the Institute "Logistics and Management", Assistant Professor of ALT, Badambayeva S.E. - Deputy Chairman - Deputy Director of the Institute, Senior Lecturer of the Department of "LMT", Maulina N.Kh. - Secretary of KOK-UMB, lecturer of the Department of "LMT", Musalieva R.D. - Head of the Department. Logistics and Transport Management, Associate Professor of ALT, Head of the Committee "Educational Programs", Abibullaev S.Sh. – Acting Head of the Department. "Organization of Transportation, Movement and Operation of Transport", Associate. Professor of ALT, member of the Committee "Educational Programs", Zhanbirov Zh.G. - Professor of the Department of Logistics and Management in Transport, member of the Committee "Educational Programs", Sugurova A.Zh. - Assistant Professor of ALT, member of the Committee "Educational Programs", Malikova L.M. - Assistant Professor of the Department of Logistics and Management in Transport, member of the Academic Committee "Development, Monitoring and Control of Educational Programs" Lyapbaeva N.I. - Acting Head of the Department. "Social and Humanitarian Disciplines and Physical Education", Professor, Member of the Committee "Educational Programs", Altaeva Zh.Zh. - Assistant Professor of the ALT of the Department of "OPDET", member of the Committee "Educational Programs", Nurzhaubayev M.M. - Senior Lecturer of the Department of "OPDET", Head of the Committee "Improvement of Forms and Methods of Teaching, Control of Knowledge, Skills and Abilities of Students", Maulina N. Kh. - Assistant Professor of ALT of the Department of "LMT", Member of the Academic Committee "Monitoring of the Intermediate and Final Attestation", Assistant Professor, Ursarova A.K. - Senior Lecturer of the Department of LMT, Chairman of the Academic Committee "Planning and Publication of Educational and Methodological Literature", Muratbekova G.V. – Assistant Professor, Head of the School of Young Teachers of ILU Musabayev B.K. - Head of the "School of Young Teacher", Assistant Professor of the Department of "LMT", Murzabekova K.A. - Assistant Professor, Mentor of the School of Young Teacher of the Department of "LMT" Aldanazarov K - Senior lecturer of the Department of OPET, The Chairman of the Academic Committee "Formation and Monitoring " Olzhabayeva R.S. is a doctoral student.

Production representatives:

1. Bachelor's degree programme:

- Shakirkhanov B.R. - Bastion Trans Logistics LLP, Chairman of the Board of Directors, PhD in Economics;
- Tantakova S.I. - NC KTZ JSC, Directorate of Automation and Digitalization, Leading Engineer of the Automated Control System;
- Suvanbayeva F.G. - NIITK LLP, Head of Project Management Department;
- Makhtayev T.B. - KTZ Express JSC - KTZE Yuzhny, Branch Director;
- Tokanov D.B. - Almaty Certification Bureau LLP, director;

2. For the Master's programme:

- Shurmanov Adil Kusainovich - EcoEnergoGas LLP, General Director;
- Suvanbayeva F.G. - NIITK LLP, Head of Project Management Department;
- Abdreev G.S. – Acting Head of the Department of Accounting of the Working Fleet and Execution of Orders of KTZ Express JSC.

3. Doctoral EP: Toktamysova A.B. - Director of STLC LLP, Ph.D.

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AGENDA:

1. Consideration of the Catalogue of Elective Disciplines (QED), the Working Curriculum (RUP), the passport of Bachelor's, Master's and PhD educational programs.

SPEAKER: Head of the Department of "LiMT" Musalieva R.D. presented for consideration by QED, RUE of bachelor's, master's and doctoral studies.

At the Department of Logistics and Management in Transport, a meeting was held with the involvement of representatives of employers and students to discuss the content of educational programs on: EP 6B11330 – Transport Logistics, EP 6B11328 – Service Management in the Industry, EP 6B11333 – Digital Logistics, EP 6B11340 – Customs Logistics, EP 6B04142 – Economics and Management (by branches), EP 7M04166 – Economics and Management (specialized - 1.5 and scientific and pedagogical - 2 years), EP 7M11354 - Logistics (by industry), EP 7M04166 - Economics and Management (specialized - 1.5 and scientific and pedagogical - 2 years), EP 7M11354 - Logistics (by (specialized - 1.5 and scientific and pedagogical - 2 years), EP 7M11356-Resource-saving production logistics (scientific and pedagogical, 2 years)" and EP 8D11362-Logistics (by industry).

Representatives of employers and students proposed a number of new relevant disciplines with the possibility of their inclusion in the new QED and RUE.

DECIDED:

1. Take note of the information;
2. Take into account all the suggestions and recommendations of employers, representatives of student activists;
3. To submit QED, RUE and EP of Bachelor's, Master's and Doctoral studies for consideration and approval by the Council of the Institute, the Academy's Management Board.

Chairman of KOC UMB **Kaltayev A.K.**

Secretary **Maulina N.Kh.**

APPROVAL SHEET

№	FULL NAME.	Place of work/study	Job title	Date of approval	Signature
1	Mussaliyeva R.D	LTM	Head Depart	27.02.23	
2	Ashirbayev G.K	ALT, RS	Head Depart	27.02.23	
3.	Yegzekova A.P.	ALT., EE	Head Depart	27.02.23	
4	Nassyrova D.T	ALT, TCT	Head Depart	27.02.23	
5	Sarsenbay K	ALT, AC	Head Depart	27.02.23	
6	Shingissov B.T.	ALT, Mrand LS	Head Depart	27.02.23	

15. CHANGES REGISTRATION SHEET

№	Section, paragraph of the document	Type of change (replace, cancel, add)	Number and date of notification	Change made	
				Date	Surname and initials, signature, position