

ALT University named after M. Tynyshpaev



APPROVE
ALT decision dated 06/26/2024 (Protocol № 8)
President-Rector
Amirgalieva S.N.

EDUCATIONAL PROGRAM

Name: 7M11374 Supply chain management

Level of training: Master's Degree

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

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

Date of registration in the register: 06/26/2024

Registration number: 7M11300061

Almaty, 2024 year


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


1 DEVELOPED:

Head of the Department, Ph.D. (PhD), Associate Professor ALT University named after M. Tynyshpaev", Ph.D. (PhD), Associate Professor


(sign)

Kenzhebayaeva
Gaukhar
Zhumashevna

Master's 1 G.O., gr. MN-L-23-2


(sign)

Salmanova Alina
Nurtaevna

2 EXPERT:

Certified professional accountant of the Republic of Kazakhstan, auditor of the Republic of Kazakhstan. Auditor in the gas company Satory Company LTD LLP



Koshumbaeva Zhanar
Zhaparkulovna

3 REVIEWER:


PhD, Associate Professor of the Faculty of Engineering and Information Technology of the Kazakh-German University



Arimbekova Perizat
Madeniyetovna

4 REVIEWED AND RECOMMENDED:

Meeting of the department "Logistics and management in transport" (protocol No.6 February 16, 2024)


(sign)


Kenzhebayaeva
Gaukhar
Zhumashevna

Meeting of the COC UMB Institute of Logistics and Management (protocol No.7 February 26, 2024)


(sign)

Musayeva Gulmira
Serikovna

Meeting of UMS ALT (protocol No.4a,04, «24» 2024)


(sign)

Zharmagambetova
Meruert Sovetovna

5 APPROVED by decision of the Academic Council dated 04 «25», 2024, protocol No.8

6 UPDATED 03/05 / 2024

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 dated 07/27/2007 No. 319-III (Law on Education dated 02/23/2024 No. 64- VIII)
2. The 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. The sectoral qualifications framework for the field of Education, approved by the Minutes of the meeting of the sectoral 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. The state compulsory standard of higher education. The order of the Ministry of Internal Affairs of the Republic of Kazakhstan dated 07/20/2022 № 2. (19.01.23, №21).
5. Qualification directory of positions of managers, specialists and other employees, approved by Order of the Minister of Labor and Social Protection 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 Education and Science of the Republic of Kazakhstan No. 152 dated 04/20/2011 (with additions and amendments dated April 04, 2023 No. 145).
7. Classifier of areas of training 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 05, 2020).
8. On approval of the Rules for maintaining the register of educational programs implemented by organizations of higher and (or) postgraduate education, as well as the grounds for inclusion in the register of educational programs and exclusion from it. Order of the Ministry of Internal Affairs of the Republic of Kazakhstan dated 12.10.2022 No. 106
9. RI-ALT-33 "Regulations on the procedure for developing an educational program of higher and postgraduate education".
10. Профессиональный стандарт «Создание и управление информационными технологиями» НПП РК «Атамекен», приказ от 24.12.2019 г. № 259
11. Professional standard « Development of geoinformation systems » of NCE RK "Atameken" Order No. 259 dated 12/24/2019
12. Professional standard «Information infrastructure and IT security professionals» of NCE RK "Atameken" Order No. 222 dated 12/05/2022
13. Professional standard «Cloud technology developments» of NCE RK "Atameken" Order No. 222 dated 12/05/2022
14. Professional standard «Management and design of computer hardware and embedded systems» of NCE RK "Atameken" Order No. 259 dated 12/24/2019
15. Professional standard «Production logistics» of NCE RK "Atameken" Order No. 136 dated 09/01/2023
15. Professional standard «Freight forwarding services» of NCE RK "Atameken" Order No. 256 dated 12/20/2019
15. Professional standard «Management and design of computer hardware and embedded systems» of NCE RK "Atameken" Order No. 256 dated 12/24/2019

3. PASSPORT OF THE EDUCATIONAL PROGRAM

№	Field name	Note
1	Registration number	
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	7M11374 Supply chain management
6	EP type	new
7	EP purpose	Training of highly qualified managers/specialists with unique competencies in the field of international and regional supply chain management, strategic development of corporate logistics for all sectors of the economy and transport based on digital technologies and world best practices
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	120
15	Awarded Academic Degree	Master of Science in the educational program 7M11374 – Supply Chain Management
16	Availability of an appendix to the license for the direction of training	KZ12LAA00025205 (002)
17	EP accreditation existence	is available
	Name of the accreditation body	Independent Agency for Accreditation and Rating (IAAR)
	Validity period of accreditation	27.05.2021 - 26.05.2026 y.

4. COMPETENCE MODEL OF A GRADUATE

Objectives of the educational program:

1. Contribute to the development of the graduate's ability to:
 - 1) develop skills in building and monitoring supply chains that move goods across national borders;
 - 2) master the methodology of strategic management and supply chain optimization using Digital SCM/Logistics and business process modeling;
 - 3) study of modern supply chain management techniques, including the use of information technology to improve efficiency;
 - 4) forms the graduate's strategic planning, interaction with partners, as well as sustainable development of logistics systems, which is becoming increasingly relevant in the context of globalization and increasing competition;
 - 5) skills and competencies in the field of strategic innovative solutions to optimize resources and added value in digital supply chains.
2. Promote the formation of the graduate's readiness to:
 - 1) studying the optimization of supply chains using digital technologies and artificial intelligence;
 - 2) to simulation modeling of logistics systems and processes;
 - 3) to conduct integrated planning and forecasting of supply chains;
 - 4) willingness to develop solutions for e-business in e-Procurement and e-Fulfilment, and use the Supply Chain Control Tower methodology.

Educational outcome:

- ON1 – Confirm knowledge in the field of supply chain management, identify, collect and systematize data on market opportunities, peculiarities of doing business in the field of supply chain management based on current socio-economic conditions
- ON2 - To classify a reasonable choice of technical means and information technologies for information processing and analysis of results, calculations within the framework of solved management tasks in the field of logistics
- ON3- To use and prepare materials for improving the organization's activities in the field of logistics using a systematic vision of the field of supply chain management
- ON4- Demonstrate organizational development programs and a forward-looking vision of business processes in the field of supply chain management in the organization
- ON5 - To develop entrepreneurial thinking in the logistics business, evaluate the role of entrepreneurship in launching a logistics business, introduce, support and stimulate the logistics business with new technologies
- ON6 - Demonstrate the company's strategy in the field of supply chain management and implement plans, projects and individual activities in order to implement it
- ON7 – To build, model and optimize the logistics business processes of projects that positively affect the reputation and business image of the organization
- ON8 - Demonstrate skills in strategic management of global transport and logistics systems in the digital age, implement integrated planning and forecast supply chains using Big Data and digital technologies
- ON9- Formulate the results of scientific research and works in the form of reports, abstracts, scientific publications and public discussions, including in a foreign language
- ON10 - Apply knowledge of the subject, ideological and methodological specifics of the natural sciences of the world and Kazakh science in professional activities
- ON11 - To systematize the knowledge of higher school pedagogy and management psychology in the organization of the educational process
- ON12 - Implement modern integrated information support systems for strategic planning and forecasting, be able to regulate price and tariff formation

Field of professional activity: circulation of goods, services, products, organization and direct

creation of distribution infrastructure.

Objects of professional activity: management of material flows, service flows and accompanying financial and information flows in supply chains.

Types of professional activity:

- specialists without specialized education who want to change their type of activity, for which they need a new qualification in the field of logistics/DRM,
- non-core bachelor's degree graduates without work experience, seeking to gain additional qualifications, new knowledge and skills in the field of logistics and digital marketing;
- entry-level and mid-level specialists from companies in the real sector of the economy, seeking to improve their skills in the field of logistics/DRM and aimed at development and career advancement;
- graduates of bachelor's degrees in Economics, Management, Business Informatics, Logistics and Digital Supply Chain without work experience, seeking to gain additional knowledge and skills in logistics management in digital supply chains;
- integral logistics managers, supply chain coordinators, analysts and researchers who are proficient in the international methodology of strategic management of a company's logistics based on the integral concept of logistics and the use of innovative approaches to supply chain management theory.

Functions of professional activity:

- make management decisions on logistics and digital marketing in the context of the business ecosystem based on the ESG sustainable development paradigm;
- use digital technologies to increase the visibility and transparency of supply chains to monitor and eliminate the negative consequences of logistics risks;
- have an understanding of the design of modern logistics infrastructure facilities for international transport corridors, customs clearance and electronic customs services in international transport;
- use advanced methods of strategic planning and predictive analytics to optimize economic decision-making in logistics and digital marketing;
- use digital technologies for control and monitoring of supply chains to effectively manage the sustainability and reliability of supply chains, inventory management in logistics and digital marketing;
- own methods of project management and assessing the effectiveness of investment projects for the development of logistics infrastructure and innovative technologies.

List of specialist positions: Graduates of the program, having received systematic training in the field of Supply Chain Management, will have the competencies to work in: government agencies, non-profit organizations, universities and scientific institutions, economic planning services, logistics and digital marketing departments of Kazakhstan and international companies, consulting and IT companies in the areas of strategic logistics planning and digital transformation of supply chains, their own companies and projects.

Professional certificates obtained at the end of training are not provided.

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

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

- pedagogical;
- research.

Pedagogical practice. The goal of teaching practice is aimed at developing comprehensive psychological, pedagogical, methodological and information technology readiness for scientific and

pedagogical activities at a university, and is also aimed at developing students' skills in developing a curriculum, independently conducting various forms of classes and gaining experience in organizational and educational work.

The objectives are to develop the professional competencies of undergraduates through the application of acquired theoretical knowledge; acquisition of professional skills and knowledge necessary for work; education of performing discipline; acquiring the ability to communicate with work colleagues; acquiring the ability to independently solve the problems of a specific organization; acquisition and consolidation of psychological and pedagogical knowledge in the field of engineering pedagogy; familiarization with the specifics of a teacher's activities at the academy; acquiring skills in a creative approach to solving pedagogical problems.

During the internship, master's students draw up and implement a plan of educational activities with a group of students, develop and conduct a system of classes reflecting the completed segment of the learning process based on the content of their major disciplines, demonstrate mastery of modern technologies and teaching methods.

Research practice.

The goal is the formation and development of professional knowledge in the field of the chosen educational program, consolidation of the acquired theoretical knowledge in the disciplines of the direction and specialized disciplines of the master's program, mastery of the necessary professional competencies in the chosen field of study.

Research practice solves the following problems:

- consolidation of acquired theoretical knowledge;
- formation of practical skills in collecting managerial, technical and economic information, its systematization and analysis;
- formation and development of professional knowledge in the field of the chosen specialty, consolidation of the acquired theoretical knowledge in the disciplines of the master's program;
- the ability to select the necessary research methods (modify existing ones, develop new methods), based on the objectives of a particular study (on the topic of a master's thesis or when performing tasks of a supervisor within the framework of a master's program);
- acquisition of professional skills and abilities in accordance with the direction and profile of training;
- introducing the student to the social environment of an organization, state, municipal government body in order to acquire social and personal competencies necessary for work in the professional field.

The master's student's research practice is carried out at the place of study or in scientific organizations, which can be considered as experimental sites for conducting research related to the topic of the master's thesis. During the internship, a master's student is given the opportunity to conduct experimental research according to a pre-developed program that takes into account the objectives of the master's thesis.

Research work.

The goal is to prepare a master's student both for independent research work, the main result of which is the writing and successful defense of a master's thesis, and for conducting scientific research as part of a creative team.

Performed on the instructions of the scientific supervisor in accordance with the approved research plan; participation in interdepartmental seminars, theoretical seminars (on the topic of research), as well as in the scientific work of the department; speaking at conferences of young scientists held at universities, as well as participating in scientific conferences; preparation and publication of abstracts of reports, scientific articles; participation in a research project carried out at the department within the framework of research programs, or in a partner organization for the implementation of master's training; preparation and defense of a master's thesis.

Objectives: to provide skills in performing research work and to develop the following skills:

- conduct bibliographic work using modern information technologies;
- formulate and solve problems that arise during the implementation of research work;

- select the necessary research methods (modify existing ones, develop new methods), based on the objectives of a specific study on the topic of the master's thesis or when performing tasks of the supervisor within the framework of the master's program;
- apply modern information technologies when conducting scientific research;
- process and formalize the results obtained, analyze and present them in the form of completed research developments (research report, abstracts, scientific article, course work, master's thesis);
- provide other skills and abilities necessary for a master's student studying in a specific master's program.

As part of the master's research work, the master's individual work plan for familiarization with innovative technologies and new types of production provides for mandatory scientific internship in scientific organizations and (or) organizations of relevant industries or fields of activity.

Scientific internship is carried out for the purpose of:

- fulfilling the objectives of the master's thesis;
- familiarization with innovative technologies and new types of production;
- familiarization with the latest theoretical, methodological and technological achievements of domestic and foreign science;
- familiarization with modern methods of scientific research, processing and interpretation of experimental data;
- consolidation of theoretical knowledge acquired in the process of learning to acquire practical skills, competencies and professional experience in the specialty being trained, as well as mastering advanced foreign experience.

Final certification. 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 the educational program with academic disciplines											
			ON1	ON2	ON3	ON4	ON5	ON6	ON7	ON8	ON9	ON10	ON11	ON12
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	History and philosophy of science	5										+		
2	Foreign language (Professional)	4									+	+		
3	Pedagogy of higher education	5											+	
4	Managerial Psychology	2											+	
5	Pedagogical practice	4	+	+	+	+	+	+	+	+	+	+	+	+
6	Tariffs and pricing in logistics	9												+
7	Prices and pricing	9												+
8	Strategic management	6									+			+
9	Business research	6									+		+	
10	Managing Finance & Market Intelligence for Logistics Business	6	+											
11	Management of intellectual resources of the organizatio	9		+		+								
12	Research practice	5	+	+	+	+	+	+	+	+	+	+	+	+
13	Modeling and optimization of logistics business processes	6							+	+				
14	Modeling and reengineering of business processes	6							+	+				
15	Digital transformation in supply chains	6				+								+
16	Digital technologies in logistics and supply chain management	6				+								+
17	Integrated planning and forecasting of supply chains using Big Data and digital technologies	9									+			+
18	Methods of forecasting and strategic planning in the transport industry	9									+			+
19	Economic analysis of supply chain management	6	+									+		
20	Computer analysis and optimization of supply chains	6			+									
21	Leadership Strategy and Managing Enterprise for Logistics Business	6							+		+			
22	Entrepreneurship and Innovation Management in Logistics Business	6						+						
23	Master's student's research work, including internship and	24	+	+	+	+	+	+	+	+	+	+	+	+

	master's thesis													
24	Preparation and defense of a master's thesis	8	+	+	+	+	+	+	+	+	+	+	+	+

6. THE STRUCTURE OF THE MASTER'S DEGREE PROGRAM IN THE SCIENTIFIC AND PEDAGOGICAL DIRECTION

№	Name of the discipline	General labor intensity	
		in academic hours	in academic hours
1	Theoretical training	2520	84
	Cycle of basic disciplines (BD)	1050	35
1)	University component (VC)	600	20
	History and philosophy of science	150	5
	Foreign language (Professional)	120	4
	Pedagogy of higher education	150	5
	Managerial Psychology	60	2
	Pedagogical practice	120	4
2)	Component of choice (CV)	450	15
1.2	Cycle of major disciplines (PD)	1470	49
1)	University component, incl.	510	17
1.1)	Research practice	90	3
2)	Component of choice	960	32
2	Research work of a master's student (NIRM)	720	24
1)	Master's student's research work, including internship and master's thesis	720	24
3	Additional types of training (ADE)		
4	Final certification (IA)	360	12
	Preparation and defense of a master's thesis (OiZDM)	360	12
	Total	3600	120

JSC "ALT University named after Mukhametzhon Tynyshpaev"

THE CURRICULUM

Form of study: full-time

Duration of study: 2 years

The direction of training:
7M113 Transport services nagement
Group of educational programs:

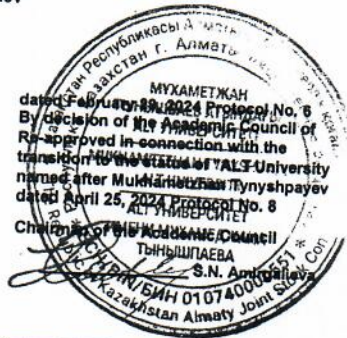
M152 Logistics (by industries)

Name of the educational program:

7M11374 Supply chain management

Admission: 2024

Degree: master's degree in scientific and pedagogical field



№	The discipline code	Name of cycles and disciplines	Total labor intensity		Form of contract, semester		The amount of study load, contact hours						Distribution by semester				Securing a position at the department
			In academic hours	In academic credits	Exam	KP (KR)	Total hours	Classroom			SRO		1st year		2nd year		
								lectures	practical	laboratory	SROP	SRO	1	2	3	4	
4	5	6	7	8	9	10	11	12	13	14	15	16	17	18			
1. The university component: CYCLE OF BASIC DISCIPLINES (BD):																	
1.1.1.	19-0-M-VK-JFN	History and philosophy of science	600	20	8			60	75	75	0	48	282	9	11	0	0
1.1.2.	19-0-M-VK-IYa(P)	Foreign language (Professional)	120	4	1		150	30	15			12	93	5			
1.1.3.	19-0-M-VK-PVSh	Pedagogy of higher education	150	5	2		180	30	15			12	63	4			
1.1.4.	19-0-M-VK-PU	Managerial Psychology	60	2	2		60	8	7			12	33		5		
1.1.5.	19-0-M-VK-PedPr	Pedagogical practice	120	4	2		120					12	33		2		
1.2.	Component of choice:		450	15	3	0	450	75	75	0	24	276	9	6	0	0	
1.2.1.	24-74-M-KV-TTSSP	Tariffs and pricing in logistics	270	9	1		270	45	45		12	168	9				
	24-74-M-KV-SSP	Prices and pricing															
1.2.2.	19-0-M-VK(KV)-SM	Strategic management	180	6	2		180	30	30		12	108		6			
	19-0-M-VK(KV)-Bi	Business research															
TOTAL for the DB cycle:			1050	35	11	0	1740	143	157	0	48	558	18	17	8	0	
2. THE CYCLE OF CORE DISCIPLINES (PD):																	
2.1. The university component:																	
2.1.1.	24-74-M-VK-UFAZLB	Managing Finance & Market Intelligence for Logistics Business	180	6	1		180	30	30		12	108	6				
2.1.2.	24-74-M-VK-UIRO	Management of intellectual resources of the organization	270	9	3		270	45	45		12	168					
2.1.3.	24-0-M-VK-IaPr	Research practice	150	5	3		150								9		
2.2.	Component of choice:		990	33	11		990	165	165	0	60	600	6	12	15	0	
2.2.1.	24-74-M-KV-MOLBP	Modeling and optimization of logistics business processes	180	6	1		180	30	30		12	108	6				
	24-74-M-KV-MBPR	Modeling and reengineering of business processes															
2.2.2.	24-74-M-KV-CTChP	Digital transformation in supply chains	180	6	2		180	30	30		12	108		6			
	24-74-M-KV-CTPSRLUCHP	Digital technologies in logistics and supply chain management															
2.2.3.	24-74-M-KV-IPPCGBDCT	Integrated planning and forecasting of supply chains using Big Data and digital technologies	270	9	3		270	45	45		12	168		9			
	24-74-M-KV-MPSPTO	Methods of forecasting and strategic planning in the transport industry															
2.2.4.	24-74-M-KV-EAUCP	Economic analysis of supply chain management	180	6	2		180	30	30		12	108		6			
	24-74-M-KV-KAOP	Computer analysis and optimization of supply chains															
2.2.5.	24-74-M-KV-SLUPZLB	Leadership Strategy and Managing Enterprise for Logistics Business	180	6	3		180	30	30		12	108		6			
	24-74-M-KV-UPILB	Entrepreneurship and Innovation Management in Logistics Business															
TOTAL for the PD cycle:			1590	53			1590	240	240	0	84	876	12	12	29	0	
Total for the theoretical course of student (TCO):			2640	88			2640	383	397	0	132	1434	30	29	37	0	
3	19-0-M-VK-NIRM	Research work of a master's student	720	24													
4	19-0-M-VK-IA	FINAL CERTIFICATION Preparation and defense of the master's thesis	240	8										1	16	7	
Total for the whole period of training			3600	120									30	30	45	15	

AGREED:

Vice-Rector for AD Zharmagambetova M.S.

Director of the DAPC Lipskaya M.A.

DEVELOPED BY:

Director of the LIU Institute Mussaeva G.S.

Head of the Department of "LM" Kenzhebayeva G.Zh.

8. CATALOG OF DISCIPLINES OF THE UNIVERSITY COMPONENT

EDUCATIONAL PROGRAM

7M11374 Supply chain management

Level of education: master

Duration of study: 2 year

Year of admission: 2024 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	UC	History and philosophy of science	150	5	1	ON10	The discipline studies the history, philosophy and methodology of science. Undergraduates are given knowledge of the history of science and private sciences, providing an opportunity to understand the dynamics of the development of science. The philosophy of science allows us to reveal the foundations of science, as a system of scientific knowledge that forms public consciousness. The methodology of science allows us to understand the methodological foundations and problems of modern science for the development of a methodological culture of research work of future specialists.	Bachelor's degree disciplines	Pedagogy of higher education
BD	UC	Foreign language (Professional)	120	4	1	ON9, ON10	The discipline "Foreign Language" (professional) includes mastering professional English at an advanced level (for non-linguistic areas). The study of grammatical characteristics of scientific style in its oral and written forms. Professional oral communication in monological and dialogical form according to the educational program. Ability to demonstrate the results of research in the form of reports, abstracts, publications and public discussions; interpret and present the results of scientific research in a foreign language.	Bachelor's degree disciplines	Leadership Strategy and Managing Enterprise for Logistics Business

1	2	3	4	5	6	7	8	9	10
BD	UC	Pedagogy of higher education	150	5	1	ON3, ON13	The discipline is aimed at studying the theoretical and methodological foundations of higher school pedagogy; considers the modern paradigm of higher education and the system of higher professional education in the Republic of Kazakhstan; studies didactics and education in higher education; forms an understanding of the basic principles of modern pedagogy and methodological approaches to solving pedagogical problems; Professional competence and skills required to carry out full-fledged pedagogical activities; develops skills in managing the educational process..	Bachelor's degree disciplines	Leadership Strategy and Managing Enterprise for Logistics Business Pedagogical practice
BD	UC	Managerial Psychology	60	2	2	ON1	The discipline is aimed at studying the theoretical and methodological foundations of management psychology; The main socio-psychological management problems necessary to analyze and predict the effectiveness of management, optimize management relationships and solutions; familiarization with methods of studying important socio-psychological characteristics and collective, professional, interpersonal and intra-personal problems by means of management psychology; Development of systemic perceptions of psychological aspects of management of various types of joint activities and interpersonal communication	Bachelor's degree disciplines	Leadership Strategy and Managing Enterprise for Logistics Business

1	2	3	4	5	6	7	8	9	10
BD	UC	Pedagogical practice	120	4	2	ON1-ON12	Aimed at developing comprehensive psychological, pedagogical, methodological and information technology readiness for scientific and pedagogical activities at a university, and also aimed at developing students' skills in developing a curriculum, independently conducting various forms of classes and gaining experience in organizational and educational work	Bachelor's degree disciplines	Research practice, Final certification
PD	UC	Managing Finance & Market Intelligence for Logistics Business	180	6	1	ON1	The discipline studies financial management in the context of logistics business, market analysis, financial planning and forecasting methods; examines the role of financial management in logistics, methods of analyzing the logistics services market, including competitor research, customer needs analysis and identification of new business development opportunities, financial strategy and development of investment plans	Tariffs and pricing in logistics	Leadership Strategy and Managing Enterprise for Logistics Business
PD	UC	Management of intellectual resources of the organization	270	9	3	ON2, ON4	The discipline studies approaches to the management of various types of intellectual resources, introduces the specifics of intellectual resource management in the business environment and develops an idea of intellectual resources and intellectual capital of an enterprise, methods of valuation of intellectual property, determines the costs of its development, as well as ways of commercializability of intellectual activity results: scientific solutions and promising developments	Digital transformation in supply chains	NIRM, Final certification
PD	UC	Research practice	150	6	2	ON1-NO12	Formation and development of professional knowledge in the field of the chosen educational program, consolidation of the acquired theoretical knowledge in the disciplines of the direction and specialized disciplines of the master's program, mastery of the necessary professional competencies in the chosen field of study	Modeling and reengineering of business processes	NIRM, Final certification

9. CATALOG OF DISCIPLINES OF THE OPTIONAL COMPONENT

EDUCATIONAL PROGRAM

7M11374 Supply chain management

Year of admission: 2024 year

Duration of study: 2 year

Level of education: master

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
PD	EC	Tariffs and pricing in logistics	270	9	1	ON12	The discipline studies the economic essence of price and tariff formation, evaluates their place and role in the management of supply chains of goods, introduces the problems of tariff regulation in supply chains, analyzes the effectiveness of logistics delivery schemes and their impact on the price of final products	Bachelor's degree disciplines	Economic analysis of supply chain management
		ON12				The discipline studies the methods and features of pricing for various types of goods sold on the world market, the economic nature of world and domestic market prices and pricing methods used in international trade, the procedure for verifying the validity of contract prices by customs authorities, considers the basic rules and methodologies for pricing foreign trade contracts of sale	Bachelor's degree disciplines	Economic analysis of supply chain management	

1	2	3	4	5	6	7	8	9	10
PD	EC	Strategic management	180	6	2	ON8, ON12	The discipline is aimed at studying the essence and content of strategic management of the company, types of strategies, modern methods of strategic analysis, technology of strategy development and implementation, features of the development of strategic management in Kazakhstan. Develops the ability to develop a company's development strategy based on the assessment of the internal and external environment, the analysis of competitive strategies, the use of various methods of management analysis, the definition of a personnel management strategy, strategic changes.	Bachelor's degree disciplines	Leadership Strategy and Managing Enterprise for Logistics Business
		Business research				ON8, ON11	The discipline studies the following topics: introduction to business research, the concept of business, development history, science and scientific research, the logic of the research process and its main stages, building a research structure, information support for business research, collecting empirical data, analysis methodology based on the BCG matrix, marketing information system, processing and analysis of primary data, analysis of market conditions.	Bachelor's degree disciplines	Economic analysis of supply chain management
PD	EC	Modeling and optimization of logistics business processes	180	6	1	ON6, ON7	The discipline studies modeling approaches and methods for solving a specific logistical problem or decision-making process, the use of mathematical analysis and modeling methods to display complex multicomponent and multicriteria objects, including for solving problems of logistics systems management and business planning in logistics	Bachelor's degree disciplines	Integrated planning and forecasting of supply chains using Big Data and digital technologies
		Modeling and reengineering of business processes				ON6, ON7	The discipline studies modern technologies for organizing work on business process reengineering, business process modeling methodology, and also teaches practical skills in using modern CASE technologies	Bachelor's degree disciplines	Digital technologies in logistics and supply chain management

1	2	3	4	5	6	7	8	9	10
PD	EC	Digital transformation in supply chains	180	6		ON4, ON12	The discipline studies the six main stages of digital transformation, defines the essence of the digital business model and key drivers of digitalization, examines the basic methodological principles of digitalization of supply chains, analyzes the continuum of digital technologies that determine the degree of digital transformation of supply chains	Bachelor's degree disciplines	Integrated planning and forecasting of supply chains using Big Data and digital technologies
		Digital technologies in logistics and supply chain management		2		ON4, ON12	The discipline studies trends in the development of digitalization of supply chains, methodological aspects of digital transformation of supply chains, the use of multi-agent technologies for digitalization of logistics and supply chains (MASSC), computer modeling of logistics business processes and systems in supply chains	Bachelor's degree disciplines	Economic analysis of supply chain management
PD	EC	Integrated planning and forecasting of supply chains using Big Data and digital technologies	270	9		ON8, ON12	The discipline studies the management strategy of global transport and logistics systems in the digital age, controlling, administration and audit of logistics processes based on digital services, inventory management in distribution networks under conditions of uncertainty, forms solutions for E-business in supply chains: E-Procurement, E-Fulfillment	Modeling and optimization of logistics business processes	Final certification
		Methods of forecasting and strategic planning in the transport industry		3		ON8, ON12	The discipline studies modern methods of forecasting and strategic planning in the transport industry, principles and methods of forecasting and strategic planning in the transport industry, performs computational research on forecasting transport demand and strategic planning in the transport industry	Modeling and optimization of logistics business processes	Final certification

1	2	3	4	5	6	7	8	9	10
PD	EC	Economic analysis of supply chain management	180	6	2	ON5, ON6	The discipline studies the economic methods of managing an organization's supply chains aimed at improving the efficiency of their functioning, forms analytical skills, uses Excel software to analyze the main indicators of an organization's economic activity, plotting charts and graphs, and developing management solutions	Managing Finance & Market Intelligence for Logistics Business	Integrated planning and forecasting of supply chains using Big Data and digital technologies
		Computer analysis and optimization of supply chains				ON5, ON8	The discipline studies modern technologies of computer modeling of systems in the environment of Any Logic and Vensim, on the basis of which practical skills are formed in the analysis of cause-and-effect relationships, forecasting, planning and management decision-making, methodological foundations of integrated planning and supply chain modeling	Modeling and optimization of logistics business processes	Management of intellectual resources of the organization
PD	EC	Leadership Strategy and Managing Enterprise for Logistics Business	180	6	3	ON6, ON8	The discipline formulates the concept and content of strategic management and strategic analysis, as well as the main methods and tools for their implementation, various theories, concepts and models of leadership, issues of the relationship between management, leadership and organizational leadership	Managing Finance & Market Intelligence for Logistics Business	Final certification
		Entrepreneurship and Innovation Management in Logistics Business				ON5	The discipline studies an innovative approach to logistics and marketing activities, uses the experience of domestic and foreign companies, considers methods and tools for assessing the risks of innovative activities of organizations and methods of economic assessment of the payback of innovative projects	Modeling and optimization of logistics business processes	Final certification

**EXPERT OPINION
FOR AN EDUCATIONAL PROGRAM
MASTER'S DEGREE 7M11374 Supply chain management**

The training in Kazakhstan of logisticians with deep knowledge of the transport component and supply chain management (SCP), economics, management is aimed at directors of logistics and SChM departments, integrated logisticians, coordinators of logistics business processes in supply chains, leading designers, analysts, experts, researchers, researchers and consultants who possess advanced methods of strategic logistics, as well as digital technologies using innovative approaches to the theory of SCP.

The Master's degree program 7M11374 – Supply Chain Management is relevant and in demand in the labor market in the Republic of Kazakhstan.

The educational program has been developed on the basis of the following normative legal acts and professional standards:

1. The Law of the Republic of Kazakhstan "On Education" dated July 27, 2007 No. 319-III (with amendments and additions as of March 27, 2023).
2. The 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. The sectoral qualifications framework for the field of Education, approved by the Minutes of the meeting of the sectoral 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 mandatory 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 directory of positions of managers, specialists and other employees, approved by Order of the Minister of Labor and Social Protection 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 Education and Science of the Republic of Kazakhstan No. 152 dated 04/20/2011. (with additions and amendments dated April 04, 2023 No. 145).
7. Classifier of areas of training 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 05, 2020).

The purpose of the educational program - Training of highly qualified managers/specialists with unique competencies in the field of international and regional supply chain management, strategic development of corporate logistics for all sectors of the economy and transport based on digital technologies and world best practices.

The curriculum of OP 7M11374 – Supply Chain Management contains: Cycles of basic and professional disciplines, in addition to the theoretical course, the research work of undergraduates with 24 academic credits is also presented. Final certification with 8 credits.

In general, the educational program OP 7M11374 – Supply Chain Management is in demand and relevant for the preparation of undergraduates.

The curriculum of the Program (disciplines and practices) focuses on addressing the challenges posed by today's hypercompetitive economic environment and exploring opportunities to develop a flexible, customer-responsive and profitable supply chain management strategy.

Masters in OP 7M11374 – Supply Chain Management carry out professional, analytical, logistical activities related to the organization, planning, regulation, control and management of material flows in private and public institutions, the formation of effective supply chains, as well as research, innovation, design, consulting, analytical activities in all spheres and links of the national economy.

 ЮРИДИЧЕСКИЙ АДРЕС: РК.0500050.г.Алматы,пр.Рыскулова,01"Г" БИН : 180840020464 ИИК КЗ476010181000171857 В АОФ АО «Народный Банк Казахстана» БИК КЗНННННННН www.ironcc.kz	ТОО «IRON TRADE COMPANY» г. АЛМАТЫ/АЛМАТИНСКАЯ ОБЛАСТЬ		ФАКТИЧЕСКИЕ АДРЕСА: В Алматинской области: 1. РК, 040700, Алматинская обл., Илийский р-н., с.А.Толпапов, ул. Менделеева,17 "В" 2. РК, 040700, Алматинская обл., Илийский р-н., с.А.Толпапов, Промзона, уч. 204 "В" В г. Алматы: 1. РК, г. Алматы, 050050, Жетысуйский р-н, пр. Рыскулова, 01"Г" 2. РК, г. Алматы, 050001, Алатауский р-н., мкр. "Самгау", ул. Кокорай, 22	КОНТАКТНЫЕ ТЕЛЕФОНЫ: 8(727) 841 04 04, 8(700) 841 04 04 8(727) 841 08 08, 8(700) 841 08 08 8(727) 841 01 01, 8(700) 841 01 01 8(727) 841 05 05, 8(700) 841 05 05 8 (700) 341 04 04
	БИЛ: opt@ironcc.kz, sales@ironcc.kz		Instagram: @ironcc.kz	
				
				

DEAR GAUKHAR ZHUMASHEVNA!

The company LLP «IRON TRADE COMPANY» He is our regular partner in the training of undergraduates OP 7M11374 – Supply Chain Management.

During the familiarization with the educational program, the company offered the following disciplines "Modeling and optimization of logistics business processes", Integrated planning and forecasting of supply chains using Big Data and digital technologies, which consider modeling methods to solve a specific logistical problem and the decision-making process.

The implementation of the program in educational practice contributes to the solution of the following tasks:

- minimization of risks in the production process;
- clarity in building supply chains;
- building career paths for future specialists and developing entrepreneurial competencies;
- application of Best practices.

We recommend using OP 7M11374 – Supply Chain Management in the educational process.

LLP «IRON TRADE COMPANY»
Head of Logistics Department



Baratova N.V.
08.04.2024 y.

Academy of Logistics and Transport

Extract from protocol No. 6 department meetings "Logistics and transport management"

Almaty city

02/16/2024

Chairman: Kenzhebaeva G.Zh.

Secretary: Maulina N.Kh.

Present: director of the institute G.S. Musaeva, head. Department of "LMT" Kenzhebaeva G.Zh., professor: Zhanbirov Zh.G., associate professor Musalieva R.D., assistant professors: Musabaev B.K., Akhmetzhanova A.Kh., Maulina N.Kh., Sugurova A. Zh., Shakirthanov B.R., Toktamysova A.B., senior lecturers: Badambaeva S.E., Userbaeva A.S., Elesheva Zh.B., Ursarova A.K., Alik A.R., Baybusinova M. A., assistant teacher Igenbaeva Sh.A.

Representatives from production:

1. For bachelor's degree programs:

- Tantakova S.I. - NC KTZ JSC, Directorate of Automation and Digitalization, leading engineer of automated control system
- Suvanbaeva F.G. - "NIITK" LLP, head of the project management department
- Makhtaev T.B. - KTZ Express JSC - KTZE Yuzhny, branch director
- Tokanov D.B. - Almaty Certification Bureau LLP, director
- Makasheva Zh.A - Aimahanbet LLP, director
- Shurmanov A.K - Ecoenergogaz LLP, director

2. For master's degree programs:

- Mukhaev E. General Secretary of CILT Central Asia
- Koshumbaeva Zh.Zh - certified professional accountant of the Republic of Kazakhstan, auditor of the Republic of Kazakhstan. Auditor at the gas company Satory Company LTD
- Akhmetova R.K. Director of the branch of the international transport and logistics company LLP "Akhmetova R.K. Director of the branch of the international transport and logistics company Asstra Almaty LLP
- Kuanyshbek A.B - Deputy Director of the State Enterprise KTZ "Freight Transportation"

3. Students: Toybaev N.R. - 1st year student, gr. US-TL-22-2, Sarsenbai A. - 1st year student, gr. TsL-22-2, Makhmetova N - 3rd year student, gr. TL-22-2, Orleansky A.A. - Master's student 2nd year, gr. MN-L-22-1; Imanbaev D. - master's student 1st year, gr. MN-L-22-2., Tokenova A - 4th year student, student of group UOU-20-1, Taigozha G - 2nd year student, group E&M -32-1.

AGENDAS:

3. On the preparation of documents in the specialty for participation in the ranking of educational programs in 2024

4. Miscellaneous

On the third issue of the agenda, HEARD: the head of the department of "LiMT" Kenzhebaeva G.Zh., proposed to consider the new educational programs developed by teaching staff and together with employers for bachelor's and master's degrees, as well as an increase in credits for disciplines and reducing training to 3 years for admission 2024 year.

SPEAKER: representative of employers Mukhaev E. General Secretary of CILT Central Asia, proposed, due to the specifics of employers' organizations, to reflect the **following in the** objects of professional activity: adjust the description of the disciplines of the elective components, give a clear understanding of the discipline, what competencies students need to learn, what they should possess, know and be able to do.

SPEAKED BY: Candidate of Technical Sciences, Assistant Professor Akhmetzhanova A.Kh., who proposed increasing the number of credits in core disciplines, thereby consolidating disciplines, linking several disciplines that would make it possible to consistently study everything in one discipline.

SPEAKER: Head. Department of LiMT Kenzhebaeva G.Zh., with a proposal to hear representatives of employers and students on the inclusion of new disciplines in QED and RUP admission 2024.

SPEAKER: representative of employers Shakirthanov 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, organizing and monitoring the movement of goods by mode of transport.

We make proposals to include the following disciplines in the undergraduate RUP that reveal 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 Makhmetova N: I think it is necessary to include the AUTOCAD software product in the study of disciplines. I would really like to learn how to design and scale my knowledge in production.

According to OP 6B11330 – Transport logistics: Electronic services in the management of production logistics and distribution, Container transportation and technologies, Digital technologies in supply chain management.

According to OP 6B11333-Digital logistics: Information systems and supply chain management, Artificial intelligence systems in logistics.

According to OP 6B04142-Economics and management (by industry): Mathematics for business and economics, International business.

According to OP 6B11328 – Service management in the industry: Business process management

According to OP 6B 04144 - E-commerce: Neuromarketing;

According to OP 6B 04125 - Marketing and business analytics: (Web programming);

According to EP 7M04166 - Economics and Management (major - 1.5) and scientific and pedagogical - 2 years): Financial management

According to OP 7M04166 - Marketing and business analytics: Management consulting;

According to EP 7M04167 – Economics and management (scientific and pedagogical): Data management, Risk management

According to OP 7M04170 - EMBA (Business Administration): legal environment of business;

According to OP 7M04171 - MBA (Business Administration in Logistics): Modeling and forecasting of logistics processes in supply chains, Modeling of distribution networks and order management (e-Fulfilment), Local information systems (WMS/TMS) supporting operational logistics.

According to OP 7M11374 - Supply chain management: Modeling and optimization of logistics business processes, Digital transformation in supply chains, Integrated planning and

forecasting of supply chains using Big Data and digital technologies, Economic analysis of supply chain management.

According to OP 7M11374 - Supply chain management: Modeling and optimization of logistics business processes, Digital transformation in supply chains, Integrated planning and forecasting of supply chains using Big Data and digital technologies, Economic analysis of supply chain management.

DECIDED:

1. Provide new educational programs for bachelor's and master's degrees for consideration and approval by the Council of the Institute of Logistics and Management.
2. Approve the proposed disciplines by employers and introduce the Bachelor's and Master's degree curriculum.
3. Take into account and add the AUTOCAD software product to the syllabuses of disciplines conducted in practical and laboratory classes.

Chairman  _____ **Kenzhebayeva G.Zh.**

Secretary  _____ **Maulina N.Kh.**

Academy of Logistics and Transport

Extract from PROTOCOL No. 7

Meetings of the Quality Assurance Commission - Educational and Methodological Bureau (KOK UMB) Institute of Logistics and Management

Almaty

February 26, 2024

Chairman: Musaeva G.S.

Secretary: Ursarova A.K.

Present: members of the KOK-UMB, chairman of the KOK-UMB ILU, director of the institute, doctor of technical sciences, professor G.S. Musaeva, senior lecturer of the LiMT department, deputy director for educational and methodological work S.E. Badambaeva, senior lecturer of the LiMT department, deputy director for educational work Alik A., Head of the Department of LiMT, Associate Professor Kenzhebaeva G.Zh., Head of the Department of OPET, Associate Professor Bittileuova Z.K.; Associate Professor of the Department of OPET L.V. Vakhitova; Candidate of Economics, Associate Professor of the Department of LiMT Akhmetzhanova A.Kh., PhD, Assistant Professor of the Department of OPET Bekmagambetova L.K., Senior Lecturer of LiMT, Secretary of KOK-UMB ILU Ursarova A.K. , senior lecturers: Nurzhaubaev M.M.; Baybusinova M.A.

Representatives from production: Head of the Project Management department of NIITK LLP Suvanbaeva F.G., Azurite LLP, railway transportation specialist Korzhumbayeva S.T.

Students: student dean of ILU Marupzhanov I., student of group MN-L-23-1 Kaltaeva D.

AGENDAS:

2. Discussion of updated educational programs for the 2023-24 academic year

2. On the second question

HEARD: Chairman of KOK-UMB FLU Musaeva G.S., about the discussion of updated educational programs.

SPEAKERS: head of the department "LiMT" Kenzhebaeva G.Zh., head of the department "OPET" Bitleuova Z.K., responsible for the committee "Development, monitoring and control of educational programs" in their departments. Currently, the department is actively working on updating and updating. Educational programs "Transport Logistics", "Digital Logistics", "Service Management in the Industry", based on the updated Professional Standards. A comparative analysis of Kazakh and international experience in the design and implementation of EP was carried out.

SPEAKER: Head of the Project Management Department of NIITC LLP Suvanbaeva F.G. Today, any commercial enterprise is interested in competent specialists who have a good level of training and knowledge in the field of planning, organizing and monitoring the movement of goods by mode of transport.

We make proposals to include the following disciplines in the undergraduate RUP that reveal 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".

SPEAKER: Azurite LLP, a specialist in railway transportation Korzhumbayeva S.T., proposed, due to the specifics of employer organizations, to reflect the following in the objects of professional activity: adjust the description of the disciplines of the elective components, give a clear understanding of the discipline, what competencies students need to study, what they should own, know and be able to do.

SPEAKER: Candidate of Technical Sciences, Associate Professor of the Department of OPET L.V. Vakhitova, who proposed increasing the number of credits in core disciplines, thereby

consolidating disciplines, linking several disciplines that would make it possible to consistently study everything in one discipline

SPEAKER: Professor of the Department of LMT Musaliev R.D. about the need to include the AUTOCAD software product in the study of disciplines to design and scale your knowledge in production.

According to OP 6B11330 – Transport logistics: Electronic services in the management of production logistics and distribution, Container transportation and technologies, Digital technologies in supply chain management.

According to OP 6B11333-Digital logistics: Information systems and supply chain management, Artificial intelligence systems in logistics.

According to OP 6B04142-Economics and management (by industry): Mathematics for business and economics, International business.

According to OP 6B11328 – Service management in the industry: Business process management

According to OP 6B 04144 - E-commerce: Neuromarketing;

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According to EP 7M04166 - Economics and Management (major - 1.5) and scientific and pedagogical - 2 years): Financial management

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According to OP 7M04170 - EMBA (Business Administration): legal environment of business;

According to OP 7M04171 - MBA (Business Administration in Logistics): Modeling and forecasting of logistics processes in supply chains, Modeling of distribution networks and order management (e-Fulfillment), Local information systems (WMS/TMS) supporting operational logistics.

According to OP 7M11374 - Supply chain management: Modeling and optimization of logistics business processes, Digital transformation in supply chains, Integrated planning and forecasting of supply chains using Big Data and digital technologies, Economic analysis of supply chain management.

According to OP 7M11374 - Supply chain management: Modeling and optimization of logistics business processes, Digital transformation in supply chains, Integrated planning and forecasting of supply chains using Big Data and digital technologies, Economic analysis of supply chain management.

DECIDED:

1. Provide new educational programs for bachelor's and master's degrees for consideration and approval by the Council of the Institute of Logistics and Management.

2. Approve the proposed disciplines by employers and introduce the Bachelor's and Master's degree curriculum.

3. Take into account and add the AUTOCAD software product to the syllabuses of disciplines conducted in practical and laboratory classes.

Chairman of the KOC UMB



Musaeva G.S.

Secretary



Ursarova A.K.

