Joint stock company
«ALT Mukhamedzhan Tynyshpaev University»

APPROVED
by the decision of the AC ALT from
«15» 04 2024 y. (Protocol № 8)
President-Rector
Amirgalieva S.N.

EDUCATIONAL PROGRAM

Name: 6B11326- Organization of transportation, traffic and operation of transport

Level of training: bachelor course

Code and classification of training areas: 6B113 Transportation services

Code and group of educational programs: B095 Transportation services

Date of registration in the Registry: 24.04.2024

Registration number: 6B1130065

Almaty, 2024 y.

CONTENT

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

1 DEVELOPED BY:

ALT Mukhamedzhan Tynyshpaev University, Associate Professor of the Department of «OTOT», Candidate of Technical Sciences — *Vakhitova L.V.*

ALT Mukhamedzhan University, Assistant Professor of the Department of «OTOT», PhD — *Bekmagambetova L.K.*

Specialist Analyst of the Department of Dispatching transportation Management of «TransCom» LLP, Candidate of Technical Sciences — *Aikumbekov M.N.*

Student of the educational program 6B11326-OTTOT — *Kosherbaeva S.*

2 EXPERTS:

Chief Engineer of Almaty-1 station, branch of «KTZ-Freight Transportation» LLP - Almaty Branch of FT — *Kuandykov E.M.*

ТОО "КТЖ - ГРУЗОВЫЕ ПЕРЕВОЗКИ" АЛМАТЫ 1 КЗХ 700007

Director of the Transportation Department of «Transcom» LLP — *Zhumataev A.Zh.*

3 REVIEWER:

Deputy Head of the Almaty-1 station of the «KTZ-Freight Transportation» LLP branch - Almaty branch of FT — *Abdikulov A.B.*

ТОО "КТЖ - ГРУЗОВЫЕ ПЕРЕВОЗКИ" АЛМАТЫ 1 КЗХ 700007

4 REVIEWED AND RECOMMENDED:

Meeting of the AC of the Department «Organization of transportation and operation of transport»
Protocol No. 7, «14» February 2024 — *Bitileuova Z.K.*

Meeting of the QAC-EMB of the Institute «Logistics and Management»
Protocol No. 7, «26» February 2024 — *Musaeva G.S.*

Meeting of the EMC
Protocol No. 4a, «24» April 2024 — *Zharmagambetova M.S.*

5 APPROVED *by the decision of the Academic Council of April 25, 2024 No. 8*

6 INTRODUCED *updated*

2. REGULATORY REFERENCES

The educational program is 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 of 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 and Postgraduate Education (Order No. 66 of the Minister of Science and Higher Education of the Republic of Kazakhstan dated February 20, 2023).
5. Qualification directory of positions of managers, specialists and other employees, approved by the 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 the organization of the educational process on credit technology of education in organizations of higher and (or) postgraduate education, approved by the Order of the Minister of the Ministry of Education and Science of the Republic of Kazakhstan No. 152 dated 20.04.2011. (with additions and amendments dated April 04, 2023 No. 145).
7. Classifier of training areas with higher and postgraduate education, approved by the 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. The algorithm of inclusion and exclusion of educational programs in the Register of educational programs of higher and postgraduate education, approved by the Order of the Minister of Education and Science of the Republic of Kazakhstan dated December 4, 2018 No. 665 (with additions and amendments as of December 23, 2020 No. 536).
9. WI-ALT-33 "Regulations on the procedure for developing the educational program of higher and postgraduate education".
10. Professional standard: "Rail freight transportation: freight and commercial work (station level)", NCE RK "Atameken", approved by Order No. 256 dated 20.12.2019.
11. Professional standard: "Activity of bus stations and bus stations", NCE RK "Atameken", approved by Order No. 256 dated 20.12.2019.
12. Professional standard: "Organization of station work", NCE RK "Atameken", approved by Order No. 256 dated 20.12.2019.
13. Professional standard: "Dispatching regulation on railway transport (linear level)", NCE RK "Atameken", approved by Order No. 256 dated 20.12.2019.
14. Professional standard: "Transportation of goods by road", NCE RK "Atameken", approved by Order No. 256 dated 20.12.2019.
15. Professional standard: "Logistics of passenger transportation", NCE RK "Atameken", approved by Order No. 256 dated 20.12.2019.

3 PASSPORT OF THE EDUCATIONAL PROGRAM

№	Field name	Note
1	Registration number	No. 6B11300065
2	Code and classification of the field of education	6B11 Services
3	Code and classification of training areas	6B113 Transportation services
4	Code and group of educational programs	B095 Transportation services
5	Name of the educational program	Organization of transportation, traffic and operation of transport
6	Type of educational program	Current
7	Purpose of the educational program	Training of qualified and competitive specialists for the transport and communication complex who possess knowledge and professional skills in the effective organization and management of cargo and passenger transportation processes using the latest achievements and innovative technologies in the field of transport operation
8	ISCED level	6
9	Level according to the NQF	6
10	Level according to the IQF	6
11	Distinctive features of the EP	No
	Partner University (JEP)	
	Partner University (Two-degree EP)	
12	Form of training	Full-time, full-time with the use of distance education technology
13	language of education	Kazakh, Russian
14	Volume of credits	241
15	Academic degree awarded	Bachelor in the field of services in the educational program "Organization of transportation, traffic and operation of transport"
16	Availability of an appendix to the license for the direction of training	KZ12LAA00025205 от 04.03.2021
17	Availability of EP accreditation	Yes
	Name of the accreditation body	Independent Agency for Accreditation and Rating (IAAR)
	Validity period of accreditation	27.05.2021 – 26.05.2026

4 THE GRADUATE'S COMPETENCE MODEL

Objectives of the educational program:

1. Formation of a person capable of self-improvement and professional growth with diverse humanitarian and natural science knowledge and interests.

2. Formation of the ability to critically rethink the accumulated experience, change, if necessary, the profile of their professional activities, awareness of the social significance of their future profession, having a high motivation to perform professional activities.

3. Formation of the ability to find a compromise between various requirements (cost, quality, safety and deadlines) in long-term and short-term planning and make optimal decisions in the field of organization, management of the operational work of the industry.

4. Formation of the ability to generalize, analyze, perceive information, set goals and choose ways to achieve it.

5. Assistance in the formation of graduate readiness: development of measures to improve logistics management systems in transport, and the choice and effective use of transport equipment, equipment and other means for the implementation of production processes.

6. Formation of graduates' readiness to conduct technical and economic analysis, comprehensive justification of decisions taken and implemented in the field of organization and operation of transport, application of results in practice, striving for self-development, improvement of their qualifications and skills.

7. Assistance in the formation of graduates' readiness for the economical and safe use of natural resources, and the introduction of marketing and management methods in the organization of the transportation process.

The purpose of the educational program: Training of qualified and competitive specialists for the transport and communication complex who possess knowledge and professional skills in the effective organization and management of cargo and passenger transportation processes using the latest achievements and innovative technologies in the field of transport operation.

Learning outcomes:

LO1 – Explain the basic laws of mathematics and scientific methods in solving engineering problems in the field of transport operation, using information and communication technologies and artificial intelligence to optimize the transportation process.

LO2 – Apply modern methods and knowledge to ensure the safety of life, labor protection and environmental protection in the implementation of professional activities.

LO3 – To carry out a technical and economic analysis of the activities of transport enterprises, comprehensively substantiate the management and financial decisions made, and evaluate the results using logistical principles.

LO4 – To solve problems of operation and maintenance of rolling stock, automation of technological processes of transport infrastructure facilities and rational use of the material and technical base.

LO5 – To make decisions on the organization and management of cargo and commercial work in transport, taking into account modern technical and technological processes in the logistics chain of cargo supply.

LO6 – Perform tasks of design, reconstruction, technical equipment and development of technological processes of transport facilities with the rational use of existing throughput and processing capacity.

LO7 – Analyze modern methods of management and organization of the operational work of the trunk network, technologies for optimizing the movement of car traffic and passenger traffic on the railway transport network.

LO8 – To develop optimal schemes for the delivery of goods and passengers in the interaction of various modes of transport and technological processes of transport facilities in the conditions of the introduction of high-speed traffic.

LO9 – Develop projects to increase the throughput, carrying and processing capacity of transport facilities based on the analysis of their operational activities.

LO10 – Use algorithms of actions related to traffic safety and operation of transport in various

situations.

LO11 – Demonstrate knowledge and skills of socio-ethical values, psychology, critical thinking, the role of spiritual and political processes in society, interpersonal and legal interests of the parties, protection of rights, time management, healthy lifestyle in the implementation of professional activities.

LO12 - Communicate orally and in writing in Kazakh, Russian and foreign languages, solving interpersonal, intercultural and professional tasks, relying on regulatory and technical documentation, specialized and scientific literature sources.

Field of professional activity: organization and management of operational activities of passenger and cargo transportation; auxiliary and additional transport activities.

Objects of professional activity:

- processes of organization and management of operational activities of passenger and freight transport;
- accounting, reporting and technical documentation;
- primary labor collectives.

Types of professional activity:

- organization of the transportation process (by type of transport);
- organization of service on transport (by type of transport);
- organization of transport and logistics activities (by type of transport).

Functions of professional activity:

- organization, control and logistics;
- designing;
- service and operation.

List of specialist positions:

- Head of the Operational and Administrative Department;
- Deputy Head of the Operational and Administrative Department;
- Railway department attendant;
- Nodal Dispatcher;
- Train Dispatcher;
- Dispatcher for the regulation of the car fleet;
- Head of the railway station;
- Deputy Head of the railway station;
- Chief Engineer of the railway station;
- Head of the Station Technology Center for Processing Train Information and Transportation Documents;
- The duty officer of the centralization station post;
- Park attendant;
- Dispatcher shunting at the railway station;
- Duty on the sorting hill;
- Deputy Head of the railway station for Freight and Commercial Work;
- Leading engineer for cargo and commercial work;
- Cargo Dispatcher;
- Senior Cargo and baggage Receiver;
- Senior Commodity Cashier;
- Cargo and baggage Tracing Agent;
- Head of Passenger Transportation Service;
- Specialist in the development of passenger transport infrastructure;
- Specialist in the organization of passenger transportation;
- Passenger Transportation Dispatcher;
- Specialist in conducting passenger traffic surveys;

- Engineer for the organization of cargo transportation;
- Manager responsible for traffic safety;
- Passenger terminal attendant;
- Ticket cashier.

Professional certificates obtained at the end of training not provided

Requirements for the previous level of education: secondary, post-secondary, vocational secondary, higher education (bachelor's degree).

In the course of training, students undergo various types of professional practice:
- educational;
- production;
- production (pre - graduation).

Educational practice. The organization of educational practice is aimed at ensuring familiarization of bachelors with the main areas, objects, areas of professional activity and profiles of training and consolidation of theoretical material, as well as conducting study tours in the branch of the department for this educational program.

Production practice (1). The main objectives of the industrial practice are: consolidation of theoretical knowledge and practical skills on the chosen educational program in a production environment, gaining experience in organizational work, obtaining a working specialty, the formation of practical skills and competencies in the process of mastering the bachelor's program.

Pre-graduate/Production practice (2). The purpose of the practice for bachelors is to ensure the relationship between the theoretical knowledge gained in the assimilation of the chosen educational program and practical activities. The objectives of this practice are to consolidate and deepen the theoretical knowledge gained by students in the learning process, collect information for writing a final qualifying work, study best practices at the enterprise, as well as gain experience in independent research work, mastering a variety of methods of scientific work. It is carried out in the bases of practices at enterprises according to this educational program.

Final certification. It is aimed at determining the level of professional training of graduates according to the educational program. The final certification is implemented in the form of a final certification comprehensive exam or by performing and defending a final qualifying research paper on an urgent or problematic topic (individual or group). Based on this assessment, a conclusion is made about the effectiveness of educational activities and the quality of training of specialists.

5. MATRIX OF CORRELATION OF LEARNING OUTCOMES ACCORDING TO THE EDUCATIONAL PROGRAM WITH ACADEMIC DISCIPLINES/MODULES

№	Name of the discipline	Number of credits	Matrix of correlation of learning outcomes according to the educational program with academic disciplines											
			LO1	LO2	LO3	LO4	LO5	LO6	LO7	LO8	LO9	LO10	LO11	LO12
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
GENERAL EDUCATION DISCIPLINES CYCLE (GED):														
General Education Competencies Module														
1	History of Kazakhstan	5											+	
2	Philosophy	5											+	
3	Physical Culture	8											+	
Language Competence Module														
4	Foreign language	10												+
5	Kazakh (Russian) language	10												+
Socio-political Competencies Module														
6	Sociology	2											+	
7	Cultural studies	2											+	
8	Political Science	2											+	
9	Psychology	2											+	
Information Technology and Artificial Intelligence Module														
10	Information and communication technologies	5	+											
Life Skills Module														
11	Ecology and life safety	5		+								+		
	Methods of scientific research		+											+
	Economics and business activities				+									
	Fundamentals of law and anti-corruption culture												+	+
BASIC DISCIPLINES CYCLE (BD):														
Natural Science Competencies														
12	Engineering Mathematics 1	4	+							+				
13	Engineering Mathematics 2	5	+											
Professional Module														
14	Transportation management	6				+			+					
15	Ensuring traffic safety in transport	9		+								+		
16	Organization and management of passenger transportation	6							+	+				
17	Labor protection	6		+										
18	Interaction of modes of transport	6								+				
19	Technology and operation management of stations and nodes	9						+			+			
Information Technology and Artificial Intelligence Module														
20	Computer and engineering modeling	6	+											
21	Basics of artificial intelligence	3	+											
Practice-oriented Module														
22	Educational practice	2	+	+									+	+
Professional Module														
23	Rolling stock and train traction	6				+								
	Operation of urban transport					+				+				
24	Organization of the operational work of the railway section	6							+		+			
	Transport interchange hubs					+				+				
25	Transport and cargo systems	6					+			+				
	Terminal transport systems						+			+				
26	Transport support for international transportation	6			+		+			+				
	Foreign economic activity in transport				+		+							

27	Railway design and operation	6				+		+							
	Design and operation of highways					+		+							
28	Cargo management	6					+			+					
	Cargo packing service						+			+					
Economic and Managerial Competencies Module															
29	Managerial economics	3			+										
	Time management													+	
30	Fundamentals of financial literacy	3			+										
	Critical thinking													+	
PROFILE DISCIPLINES CYCLE (PD):															
Professional Module															
31	Technology and management of railway sections and directions	6							+			+			
32	Organization and management of high-speed rail transport	6								+		+			
33	Technical regulation of the organization of transportation by rail	6							+		+				
34	Railway stations and junctions 1	6						+			+				
35	Organization of cargo and commercial work	6					+			+					
36	Railway stations and junctions 2	9						+			+				
Practice-oriented Module															
37	Production practice 1	6			+	+	+	+	+	+	+	+			
38	Production practice 2	9			+	+	+	+	+	+	+	+			
Professional Module															
39	Passenger transport complex	6				+			+	+					
	Rules of cargo transportation						+			+					
40	Special conditions of cargo transportation	6					+			+					
	Industrial transport technology						+			+					
Practice-oriented Module															
41	Transport security and train traffic management systems	6		+								+			
	Prospects for the development of railway stations and hubs					+		+							
Minor Programs Module															
42	Minor program 1	3	+		+										
43	Minor program 2	3	+		+										
44	Minor program 3	3	+		+										
45	FINAL CERTIFICATION	8	+	+	+	+	+	+	+	+	+	+	+	+	
ADDITIONAL TYPES OF TRAINING (ATT):															
Personal Competence Module															
46	Service to the community	1											+		

6. STRUCTURE OF THE BACHELOR'S DEGREE PROGRAM

№ п/п	The name of the cycles of disciplines	Total labor intensity	
		in academic hours	in academic credits
1	Cycle of general education disciplines (GED)	**1680**	**56**
1)	**Required component**	**1530**	**51**
	History of Kazakhstan	150	5
	Philosophy	150	5
	Foreign language	300	10
	Kazakh (Russian) language	300	10
	Information and communication technologies	150	5
	Module of socio-political knowledge (sociology, political science, cultural studies, psychology)	240	8
	Physical Culture	240	8
2)	**University component and (or) optional component**	**150**	**5**
2	Cycle of basic and profile disciplines (BD, PD)	nevertheless 5280	nevertheless 176
1)	**University component and (or) optional component**		
2)	**Professional practice**		
3	Additional types of training (ATT)		
1)	**Component of choice**		
4	Final certification	nevertheless 240	nevertheless 8
	Total	**nevertheless 7200**	**nevertheless 240**

7. THE CURRICULUM FOR THE ENTIRE PERIOD OF STUDY

JSC "ALT University named after Mukhamedzhan Tynyshpaev"

STUDY PLAN

Form of study: full-time

Direction of training:
6B113 Transportation services

Group of educational programs:

B-095- Transportation services

Name of the educational program:
6B11326 - Organization of transportation, traffic and operation of transport

Duration of study: 3 years

Admission: 2024 год

Degree: Bachelor in Services

APPROVED

By the decision of the ALT Academic Council dated February 29, 2024, Protocol No.6 was re-approved in connection with the transition to the status of "Mukhamedzhan Tynyshpaev ALT University" dated April 25, 2024 Protocol No.8
Chairman of the Academic Council
_____ S.N. Amirgalieva

№	Discipline code	Name of cycles and disciplines	Total labor intensity: in academic hours	Total labor intensity: in academic credits	Form of control, semester: Exam	Form of control, semester: KP (KR)	The amount of study load, contact hours: Total hours	Classroom: lectures	Classroom: practical	Classroom: laboratory	IWSU: IWSIT	IWSU: IWS	1 course: 1 (15 weeks)	1 course: 2 (15 weeks)	1 course: 3 (10 weeks)	2 course: 4 (10 weeks)	2 course: 5 (10 weeks)	2 course: 6 (10 weeks)	3 course: 7 (10 weeks)	3 course: 8 (10 weeks)	3 course: 9 (10 weeks)	Securing a position at the department
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1.		CYCLE OF GENERAL EDUCATION DISCIPLINES (GED):																				
M1		The module of general education competencies																				
1.1.		Required component:	1530	51			1530	120	258	15	120	917	12	17	2	2	9	9	0	0	0	
1.1.1.	23-0-B-OK-IK	History of Kazakhstan	150	5	2		150	30	15		8	97		5								SHDaPE
1.1.2.	23-0-B-OK-Fil	Philosophy	150	5	5		150	30	15		8	97						5				SHDaPE
1.1.3.	23-0-B-OK-FK	Physical Culture	240	8	1,2,3,4		240		88		32	120	2	2	2	2						SHDaPE
M2		Language Competence Module																				
1.1.4.	23-0-B-OK-IYa	Foreign language	300	10	1,2		300		90		16	194	5	5								LT
1.1.5.	23-0-B-OK-K(R)Ya	Kazakh (Russian) language	300	10	1,2		300		90		16	194	5	5								LT
M3		The module of socio-political competencies																				
1.1.6.	23-0-B-OK-Soc	Sociology	240	8	5,6		240	7	15		8	30					4					SHDaPE
	23-0-B-OK-Kul	Culturology						8	15		8	29										SHDaPE
	23-0-B-OK-Pol	Political science						7	15		8	30						4				SHDaPE
	23-0-B-OK-Psi	Psychology						8	15		8	29										SHDaPE
M4		Information Technology and Artificial Intelligence Module																				
1.1.7.	23-0-B-OK-IKT	Information and Communication Technologies	150	5	5		150	30		15	8	97					5					ICT
1.2.		Component of choice:	150	5			150	30	15	0	8	97	0	0	0	0	0	0	5	0	0	
M5		Life skills module																				
1.2.1.	23-0-B-KV-EBGD	Ecology and life safety	150	5	7		150	30	15		8	97							5			MVaTS
	23-0-B-KV-MNI	Scientific research methods																				SHDaPE
	24-0-KV-OEiP	Basics of economics and entrepreneurship																				LTM
	23-0-KV-OPAK	Basics of law and anti-corruption culture																				SHDaPE
		TOTAL FOR THE GED CYCLE:	1680	56			1680	165	273	15	128	1014	12	17	2	2	9	9	5	0	0	
2.		CYCLE OF BASIC DISCIPLINES (BD):																				
2.1.		University component:	1860	62			1860	255	388	45	120	1080	16	11	11	15	0	3	8	6	0	
M6		Natural science competencies																				
2.1.1.	24-0-B-VK-IM	Engineering Mathematics 1	120	4	1		120	15	30		12	63	4									GE
2.1.2.	24-0-B-VK-IM	Engineering Mathematics 2	150	5	2		150	15	30		12	93		5								GE
M7		Professional module																				
2.1.3.	23-0-VK-UPT	Transportation management on transport	180	6	2		180	30	30		12	108		6								OTOT
2.1.4.	23-0-B-VK(KV)-OBDT	Ensuring traffic safety on transport	270	9	3		270	45	45		12	168			9							OTOT
2.1.5.	23-26\67-B-VK-OUPP	Organization and management of passenger transportation	180	6	4		180	30	30		12	108				6						OTOT
2.1.6.	23-0-B-VK-OT	Labor protection	180	6	8		180	30	15	15	12	108								6		MVaTS
2.1.7.	23-0-B-VK-VVT	Interaction of modes of transport	180	6	1		180	30	30		12	108	6									OTOT
2.1.8.	23-26-B-VK-TURSU	Technology and operation management of stations and nodes	270	9	4		270	30	30	30	12	168				9						OTOT
M8		Information Technology and Artificial Intelligence Module																				
2.1.9.	24-0-B-VK-KIM	Computer and engineering modeling	180	6	1		180	30	30		12	108	6									ICT/CE
2.1.10.	24-0-B-VK-OII	The basics of artificial intelligence	90	3	6		90		30		12	48						3				ICT
M9		Practice-oriented module																				
2.1.11.	23-0-VK-Upr	Educational practice	60	2	3		60								2							OTOT
2.2.		Component of choice:	1260	42			1260	210	180	30	96	744	0	8	12	0	5	12	9	0	0	
M7		Professional module																				
2.2.1.	23-26-B-KV-PSTP	Rolling stock and train traction	180	6	3		180	30	30		12	108			6							RS
	23-26-B-KV-EGT	Operation of urban transport																				

2.2.2.	23-0-B-KV-OERZhU	Organization of operational work of the railway section	150	4	6		180	30	30		12	108						6				OTOT
	23-26-B-KV-TPU	Transport and transfer hubs																				
2.2.3.	23-26/67-B-KV-TGS	Transport and cargo systems	150	4	6		180	30	30		12	108						6				OTOT
	23-26/67-B-KV-TRT	Terminal transport systems																				
2.2.4.	23-0-B-KV-TOVP	Transport support for international transportation	150	4	7		180	30		30	12	108							6			LTM
	23-0-B-KV-VEDT	Foreign economic activity in transport																				
2.2.5.	23-26-B-KV-PEZhD	Railway design and maintenance	150	4	5		180	30	30		12	108				6						OE
	23-26/67-B-KV-PEAD	Design and maintenance of roadways																				
2.2.6.	23-0-B-KV-Grug	cargo management	150	4	5		180	30	30		12	108						6				OTOT
	23-0-B-KV-SUG	Cargo packing service																				
M9	The module of economic and managerial competencies																					
2.2.7.	23-0-B-UE	Managerial economics	90	3	7		90	15	15		12	48							3			LTM
	23-0-B-KV-TM	Time -management																				
2.2.8.	24-0-B-OFG	Fundamentals of financial literacy	90	3	5		90	15	15		12	48						3				LTM
	24-0-B-KV-KM	Critical thinking																				
	TOTAL FOR THE CYCLE OF BD:		3120	104			3120	465	480	75	216	1824	16	11	23	15	9	15	9	9	9	
3.	CYCLE OF PROFILE DISCIPLINES (PD):																					
3.1.	University component:		1380	46			1380	195	165	30	72	708	0	0	0	0	0	3	12	18	13	
M8	Professional module																					
3.1.1.	23-26-B-VK-TURZhUN	Technology and control of the operation of railway sections and directions	180	6	7		180	30	15	15	12	108							6			OTOT
3.1.2.	23-26-B-VK-OUVZhT	Organization and control of high-speed rail transport	180	6	6		180	30	30		12	108								6		OTOT
3.1.3.	23-26-B-VK-TNORZhT	Technical regulation of the organization of transportation by rail	180	6	6		180	30	15	15	12	108								6		OTOT
3.1.4.	23-26-B-VK-ZhDSU1	Railway stations and junctions 1	180	6	6		180	30	30		12	108								6		OTOT
3.1.5.	23-26-B-VK-OGPR	Organization of cargo and commercial work	180	6	7		180	30	30		12	108							6			OTOT
3.1.6.	23-26-B-VK-ZhDSU2	Railway stations and junctions 2	270	9	9		270	45	45		12	168									9	OTOT
M9	Practice-oriented module																					
3.1.7.	23-0-B-VK-PPrt	Industrial practice 1	90	3	6		90											3				OTOT
3.1.8.	23-0-B-VK-PPr2	Industrial practice 2	120	4	9		120														4	OTOT
3.2.	Component of choice:		810	27			810	135	135	0	72	468	0	0	0	0	0	0	3	0	0	
M7	Professional module																					
3.2.1.	23-26-B-KV-PTK	Passenger transport complex	180	6	5		180	30	30		12	108					6					OTOT
	23-26/67-B-KV-PPG	Rules of cargo transportation																				
3.2.2.	23-26-B-KV-OUPG	Special conditions of cargo transportation	180	6	4		180	30	30		12	108				6						OTOT
	23-26-B-KV-TRPT	Industrial transport operation technology																				
M9	Practice-oriented module																					
3.2.3.	23-26-B-KV-TBSUDP	Transport security and train traffic control systems	180	6	9		180	30	30		12	108									6	OTOT
	23-26-B-KV-PRZhSU	Prospects for the development of railway stations and junctions																				
The module of minor programs																						
3.2.4.	24-0-B-MN1	Minor program 1	90	3	4		90	15	15		12	48				3						ICT
3.2.5.	24-0-B-MN2	Minor program 2	90	3	5		90	15	15		12	48					3					ICT
3.2.6.	24-0-B-MN3	Minor program 3	90	3	7		90	15	15		12	48							3			ICT
	TOTAL FOR THE CYCLE OF PD:		2190	73			2190	330	300	30	144	1176	0	0	0	9	9	3	15	18	13	
	Total for theoretical training:		6990	233	0	0	6990	945	1185	135	468	4314	26	20	25	26	27	27	29	24	19	
4.	23-0-B-VK-IA	FINAL CERTIFICATION	240	8																	8	OTOT
	TOTAL FOR THE ENTIRE PERIOD OF STUDY:		7230	241									26	20	25	26	27	27	29	24	27	
5.	ADDITIONAL TYPES OF TRAINING (ATT):																					
	Personal Competence Module																					
5.1.	24-0-B-DVO-SO	Service to the community	30	1	1		30		10		6	12	1									
													3	5	5	5	5	5	5	4	3	

AGREED:

Vice-Rector for AA _____ Zharmagambetova M.S.

Director DAPO _____ Lipskaya M.A.

DEVELOPED BY:

Director of the Institute "LaM" _____ Musaeva G.S.

Head of the Department of "OTOT" _____ Bitleuova Z.K.

8. CATALOG OF DISCIPLINES OF THE UNIVERSITY COMPONENT

EDUCATIONAL PROGRAMS **6B11326 – Organization of transportation, traffic and operation of transport**

Education level: Bachelor's degree **Duration of study: 3 years** **Year of admission: 2024**

Cycle	Compo-nent	Name of the discipline	Total labor intensity		Semester	Learning outcome	Brief description of the discipline	Prerequisites	Post-requisites
			in academic hours	in academic credits					
1	2	3	4	5	6	7	8	9	10
BD	UK	Engineering Mathematics 1	120	4	1	LO1	The discipline studies the basic concepts of higher mathematics and its applications. The purpose of the course is to master the mathematical apparatus for solving theoretical and applied problems of a specific profile, to get an idea of mathematical modeling and interpretation of the solutions obtained. The course sections include elements of linear algebra and analytical geometry, an introduction to mathematical analysis, differential calculus of functions of one and several variables	Disciplines of the school component	Engineering Mathematics 2, Basics of artificial intelligence, Railway design and operation, Design and operation of highways, Information and communication technologies
BD	UK	Engineering Mathematics 2	150	5	2	LO1	The purpose of mastering the discipline is to form the theoretical and practical foundations of mathematics and its application, to familiarize students with advanced mathematical concepts. The course sections include integral calculus of a function of one variable and several variables, ordinary differential equations, series theory.	Engineering Mathematics 1, Computer and engineering modeling	Railway design and operation, Design and operation of highways, Information and communication technologies, Basics of artificial intelligence
BD	UK	Transportation management	180	6	2	LO4	The study of the principles of transportation organization and management of the transportation process in various modes of transport, the regulatory framework in the field of transportation organization. Formation of skills for the effective use of material and technical values and rolling stock, solving issues of technical means of transport, studying cargo and passenger flows, solving problems of the transportation process using information technology. When studying the discipline, interactive methods, solving case studies, solving practical problems are used.	Interaction of modes of transport	Rolling stock and train traction, Ensuring traffic safety in transport, Educational practice, Operation of urban transport, Organization and management of passenger transportation, Technology and operation management of stations and nodes, Cargo management, Cargo packing service, Production practice 1,

									Labor protection
BD	UK	Ensuring traffic safety in transport	270	9	3	LO2, LO10	The acquisition by students of knowledge, principles, conditions and methods of ensuring the safety of vehicles in trouble-free operation, instilling skills of an integrated approach to solving transport security problems, including in non-standard situations. As part of the study of the discipline, interactive methods are used, solving and analyzing situational problems, discussions, and guest lectures by leading top managers of transport companies.	Transportation management	Organization of the operational work of the railway section, Ecology and life Transport security and train traffic management systems
BD	UK	Organization and management of passenger transportation	180	6	4	LO7, LO8	The study of the principles of organization and management of passenger transportation by various modes of transport in suburban, regional and international communications, the basic concepts of intermodal passenger transportation. Mastering the skills of planning and managing passenger transportation on various modes of transport, developing schedules for the movement of vehicles and schedules for coordinating schedules of various modes of transport in their interaction. Within the framework of the discipline, demonstration of videos, work in small groups, calculation of practical tasks are practiced.	Interaction of modes of transport, Transportation management, Operation of urban transport	Passenger transport complex, Production practice 1, Technology and management of railway sections and directions
BD	UK	Labor protection	180	6	8	LO2	The discipline examines the main dangerous and harmful production factors affecting workers of automobile and railway transport, during the operation and repair of rolling stock, advanced methods and technical solutions to reduce occupational injuries, improve working conditions and workplace safety, ways of organizing and managing occupational safety, fire and electrical safety, the main measures for organization of workplaces. Teaching methods – analysis of specific situations, group discussions.	Transportation management, Ensuring traffic safety in transport, Ecology and life safety	Transport security and train traffic management systems
BD	UK	Interaction of modes of transport	180	6	1	LO8	The discipline studies the areas of interaction between different modes of transport, the main methods that allow us to obtain quantitative estimates for choosing optimal solutions in management activities in transport. Acquisition of skills in the organization of rational interaction of public and non-public transport, with other modes of transport, organizations and enterprises.	Disciplines of the school component	Transportation management, Rolling stock and train traction, Operation of urban transport, Organization and management of passenger transportation, Industrial transport technology, Transport and cargo systems, Terminal transport systems, Transport support for international transportation, Organization of cargo and commercial work
BD	UK	Technology and operation management of stations and nodes	270	9	4	LO6, LO9	The study of the general principles of the development of technological processes of railway stations, methods of management of the main station processes. Formation of knowledge in the organization and management of train and shunting work at a railway station in terms of safety. Mastering the skills of operational management of the station, calculating operational indicators, building a daily schedule of the station's work. Within the framework of the discipline, it is practiced to practice actions at the workplaces of the duty officer for the reception park, the departure park, the duty officer for the sorting slide and its operators, the maneuvering dispatcher using	Transportation management, Educational practice	Production practice 1, Technology and management of railway sections and directions, Technical regulation of the organization of transportation by rail

							training equipment.		
BD	UK	Computer and engineering modeling	180	6	1	LO1	The study of the discipline makes it possible to master the basic images of spatial forms on a plane and teach how to work in modern modeling systems in order to develop innovative computer models, and also contributes to the development of spatial representation and imagination, constructive geometric thinking based on graphical models of spatial forms and practical skills in building computer models, applying them to solving real problems.	Disciplines of the school component	Engineering Mathematics 2, Railway design and operation, Design and operation of highways, Information and communication technologies, Basics of artificial intelligence, Minor program 3
BD	UK	Basics of artificial intelligence	90	3	6	LO1	The discipline introduces students to the basic concepts, methods and applications of artificial intelligence. The purpose of the course is to provide students with basic knowledge about the possibilities and applications of artificial intelligence in the modern world and their significance for various fields of activity.	Engineering Mathematics 1, Computer and engineering modeling, Engineering Mathematics 2, Information and communication technologies	Methods of scientific research, Minor program 3, Prospects for the development of railway stations and hubs
BD	UK	Educational practice	60	2	3	LO1, LO2, LO11, LO12	The organization of educational practice is aimed at providing bachelors with familiarization with the main directions, objects, areas of professional activity and profiles of training and consolidation of theoretical material, as well as conducting study tours in the branch of the department according to this educational program	Transportation management	Technology and operation management of stations and nodes, Transport and cargo systems, Production practice 1, Terminal transport systems
PD	UK	Technology and management of railway sections and directions	180	6	7	LO7, LO10	The study of the principles for the implementation of the transportation process using modern information technologies for transportation management, the organization of personnel work on technological maintenance of the transportation process, ensuring traffic safety and solving professional tasks through the application of regulatory documents. Mastering the skills of managing train and shunting work on sections, building and maintaining train schedules. Within the framework of the discipline, it is planned to work out actions at the workplaces of station attendants and train dispatchers of the railway section using training equipment.	Rolling stock and train traction, Organization and management of passenger transportation, Technology and operation management of stations and nodes, Organization of the operational work of the railway section, Production practice 1	Technical regulation of the organization of transportation by rail, Organization and management of high-speed rail transport, Transport security and train traffic management systems, Production practice 2
PD	UK	Organization and management of high-speed rail transport	180	6	8	LO8, LO10	The study of the principles of organization and management of railway transport in the context of the introduction of high-speed train traffic, consideration of the main socio-economic prerequisites for the construction of the HSR, the specifics of the organization of train traffic on the HSR, taking into account safety, features of customer service of high-speed rail transport. Formation of skills for managing the movement of trains on the HSR, development of schemes for separate points on the HSR. Within the	Technology and management of railway sections and directions, Transport support for international transportation,	Transport security and train traffic management systems, Prospects for the development of railway stations and hubs, Railway stations and junctions 2

							framework of the discipline, the development of group projects, the solution of practical tasks, the organization of guest lectures with the involvement of employers are practiced.	Foreign economic activity in transport, Time management	
PD	UK	Technical regulation of the organization of transportation by rail	180	6	8	LO7, LO9	Study of the principles of technical regulation, provision of a cargo transportation plan by all divisions of railway transport. Mastering the skills of calculating operational indicators, intensive use of wagons and locomotives, distribution of car fleets by type of rolling stock between roads, depending on the transported goods and maximum use of the carrying capacity and capacity of wagons, rational use of the capacity of sections. Within the framework of the discipline, work at the training complex, role-playing games are provided.	Technology and operation management of stations and nodes, Organization of the operational work of the railway section, Technology and management of railway sections and directions	Railway stations and junctions 2, Transport security and train traffic management systems
PD	UK	Railway stations and junctions 1	180	6	8	LO6, LO9	Study of the principles of construction and technical equipment of separate railway stations, types of longitudinal, transverse profiles and structural elements of the roadbed for the development of separate points. Mastering the skills of choosing the optimal location of the main station devices, taking into account the requirements of dimensions, determining the types of connections and intersections of tracks, filling in track lists, switches, buildings and structures. The discipline provides for the development and protection of an individual project.	Railway design and operation, Rolling stock and train traction, Production practice 1, Transport interchange hubs	Railway stations and junctions 2, Transport security and train traffic management systems, Prospects for the development of railway stations and hubs
PD	UK	Organization of cargo and commercial work	180	6	7	LO5, LO8	Study of the basics of organization and management of cargo and commercial work on all types of transport, as well as in the field of transportation of a wide range of goods, taking into account optimal technical and technological processes in the transport and logistics chain of specialized cargo supply. Acquisition of skills in registration of transport documentation, determination of freight charges and terms of cargo delivery. As part of the discipline, field classes are held at transport facilities.	Interaction of modes of transport, Special conditions of cargo transportation, Cargo management, Rules of cargo transportation, Cargo packing service, Transport and cargo systems, Terminal transport systems, Production practice 1, Terminal transport systems	Production practice 2, Final certification
PD	UK	Railway stations and junctions 2	270	9	9	LO6, LO9	The study of the classification and placement of technical stations on the railway network, standard schemes of precinct and marshalling yards, principles of their design and reconstruction. Acquisition of skills of independent design, justification and decision-making on changing the design, technical equipment and technology of operation, mastering methods of increasing the throughput and processing capacity of railway stations and nodes. The discipline involves the use of the group design method. Guest lectures are held with the participation of employers.	Transport interchange hubs, Technical regulation of the organization of transportation by rail, Railway stations and junctions 1, Organization and management of high-speed rail	Production practice 2, Final certification

								transport	
PD	UK	Production practice 1	90	3	6	LO3, LO4, LO5, LO6, LO7, LO8, LO9, LO10	The main objectives of industrial practice are: consolidation of theoretical knowledge and practical skills according to the chosen educational program in production conditions, acquisition of organizational work experience, obtaining a working specialty, formation of practical skills and competencies in the process of mastering the bachelor's program.	Transportation management, Educational practice, Organization and management of passenger transportation, Technology and operation management of stations and nodes	Technology and management of railway sections and directions, Organization of cargo and commercial work, Railway stations and junctions 1, Production practice 2, Transport security and train traffic management systems
PD	UK	Production practice 2	120	4	9	LO3, LO4, LO5, LO6, LO7, LO8, LO9, LO10	The purpose of the practice for bachelors is to ensure the relationship between the theoretical knowledge gained during the assimilation of the chosen educational program and practical activities. The objectives of this practice are to consolidate and deepen the theoretical knowledge gained by students in the learning process, to collect information for writing a final qualifying work, to study best practices at the enterprise, as well as to gain experience in independent research, mastering a variety of scientific methods. It is conducted in the practice bases at enterprises according to this educational program.	Production practice 1, Organization of cargo and commercial work, Technology and management of railway sections and directions, Transport security and train traffic management systems	Final certification

9. CATALOG OF DISCIPLINES OF THE COMPONENT BY CHOICE

EDUCATIONAL PROGRAM **6B11326 – Organization of transportation, traffic and operation of transport**

Education level: Bachelor's degree **Duration of study: 3 years** **Year of admission: 2024**

Cycle	Component	Name of the discipline	Total labor intensity		Semester	Learning outcome	Brief description of the discipline	Prerequisites	Post-requisites
			in academic hours	in academic credits					
1	2	3	4	5	6	7	8	9	10
GET	EC	Ecology and life safety	150	5	7	LO2, LO10	The discipline provides knowledge and ideas about environmental problems and approaches to solving them, sources and types of environmental pollution by enterprises, principles of regulating the quality of atmospheric air and water, the main provisions of legislation in various fields, on natural and man-made emergencies, their causes, methods of prevention and protection. Teaching methods – analysis of a specific situation (case-study), group discussions.	Ensuring traffic safety in transport	Labor protection, Transport security and train traffic management systems
GET	EC	Methods of scientific research	150	5	7	LO1, LO12	The discipline provides knowledge and ideas about the content of scientific activity, its methods and forms of knowledge. The theoretical and applied knowledge obtained by students on the methods of scientific research of problems in the studied area, instills in future specialists the skills of cognitive activity in the field of science. Methods of active learning – group, scientific discussions, debate, project method.	Information and communication technologies, Basics of artificial intelligence	Prospects for the development of railway stations and hubs
GET	EC	Economics and business activities	150	5	7	LO3	Studies the activities of enterprises in various types of market, the model of equilibrium and functioning of the market, government regulation of prices and tariffs. Examines the concepts of entrepreneurship and the limits of its legal regulation, the conditions for the development of entrepreneurship, organizational and legal forms of doing business, business planning, business secrecy, social responsibility of entrepreneurship.	Fundamentals of financial literacy, Critical thinking, Minor program	Final certification
GET	EC	Fundamentals of law and anti-corruption culture	150	5	7	LO11, LO12	The discipline outlines the fundamental concepts of law, the constitutional structure of the state power of the Republic of Kazakhstan, the rights and freedoms of citizens enshrined in the Constitution, mechanisms for protecting legitimate human interests in case of violation. The discipline forms students' improvement of public and individual legal awareness and legal culture, as well as a system of knowledge and citizenship on combating corruption as an antisocial phenomenon. Methods of active learning – analysis of specific situations, brainstorming.	Sociology, Cultural studies, Political Science	Final certification

BD	EC	Rolling stock and train traction	180	6	3	LO4	The study of the design, principles of operation, classification and technical characteristics of railway rolling stock, the basics of train traction, the organization of operation and maintenance of rolling stock. Formation of skills for the effective use of technical equipment of rolling stock traction of railway trains, taking into account the amount of work, performance of traction calculations and calculation of indicators of the use of rolling stock. Within the framework of the discipline, the development of individual projects is carried out.	Interaction of modes of transport, Transportation management	Special conditions of cargo transportation, Passenger transport complex, Rules of cargo transportation, Technology and management of railway sections and directions, Railway stations and junctions 1
BD	EC	Operation of urban transport	180	6	3	LO4, LO8	The study of the principles of the organization of urban transport, the requirements for the transportation of passengers, baggage, cargo and cargo, the planning of urban transport complexes and the parameters of the interaction of modes of transport in a single urban transport system. Formation of skills for determining indicators, analyzing the state of transport security of cities and regions, determining the need for the development of the transport network, rolling stock, organization and technology of transportation. Interactive teaching methods are used: working in small groups, discussions, conducting guest lectures.	Interaction of modes of transport, Transportation management	Organization and management of passenger transportation
BD	EC	Organization of the operational work of the railway section	180	6	6	LO7, LO9	Studying the issues of organizing the work of railway sections, dispatching personnel of railways, technical rationing of operational work and regulation of carriage flows, locomotive and carriage fleets, rationing of work and rest of locomotive crews. Formation of skills for determining the operated fleet and calculating the operational indicators of the use of locomotives, operational planning of train and freight work of the road. Within the framework of the discipline, video demonstration is practiced, field classes are organized on the basis of the Almaty branch of the railway, Almaty-1, Almaty-2 stations.	Railway design and operation, Ensuring traffic safety in transport	Technology and management of railway sections and directions, Technical regulation of the organization of transportation by rail
BD	EC	Transport interchange hubs	180	6	6	LO4, LO8	Study of the principles of formation and development of transport interchange hubs (TIHs) in cities and agglomerations, their purpose and classification, requirements for territories and facilities of new passenger transport transfer hubs, their arrangement and elements of planning organization. Formation of skills for the development of planning systems of transport hubs and assessment of the quality of service for passengers and visitors of TIH. Within the framework of the discipline, students perform group tasks, work in small groups.	Design and operation of highways, Railway design and operation, Passenger transport complex	Railway stations and junctions 1, Railway stations and junctions 2, Prospects for the development of railway stations and hubs
BD	EC	Transport and cargo systems	180	6	6	LO5, LO8	Study of the principles of organization of transport and cargo systems on various types of transport using modern and advanced cargo processing technologies. Formation of skills for developing optimal schemes for carrying out loading and unloading operations and warehouse operations with various cargoes with the rational use of the material and technical base in the logistics chain of cargo supply, as well as determining the storage conditions of various cargoes. The discipline provides for the performance of computational and graphical work.	Interaction of modes of transport, Educational practice, Special conditions of cargo transportation	Organization of cargo and commercial work, Foreign economic activity in transport, Transport support for international transportation

BD	EC	Terminal transport systems	180	6	6	LO5, LO8	Studies the basic principles of formation, management and research of the effectiveness of terminal cargo transportation systems; simulation models used to design cargo transportation systems; terminal transport systems abroad. Formation of skills for modeling the management processes of terminal transport systems and determining ways to improve the efficiency of transport and improve the service of cargo owners and the public. Within the framework of the discipline, discussions on problematic topics are held, computational and graphical work is performed.	Interaction of modes of transport, Educational practice, Special conditions of cargo transportation, Industrial transport technology, Cargo management, Cargo packing service	Organization of cargo and commercial work, Foreign economic activity in transport, Transport support for international transportation
BD	EC	Transport support for international transportation	180	6	7	LO3, LO5, LO8	To study Incoterms terms and conditions, international conventions, regulations in the field of international transportation at the stages of building and implementing a logistics delivery system from departure to destination. Determine and select the basic terms of delivery, build schedules of technological operations at border crossings. Within the framework of the discipline, laboratory classes are conducted, software for foreign economic activity, Rail Tariff, Rail info, etc. is used.	Interaction of modes of transport, Special conditions of cargo transportation, Cargo management, Cargo packing service, Transport and cargo systems, Terminal transport systems	Organization and management of high-speed rail transport
BD	EC	Foreign economic activity in transport	180	6	7	LO3, LO5	The discipline studies the basics of foreign economic activity, the concepts of export-import, re-export-reimport of goods, Incoterms terms and conditions, the basics of customs legislation and legal regulation of foreign economic activity at the stages of building and implementing a logistics delivery system from the point of departure to the destination. Develops the skills of customs clearance of goods and cargoes, determining the terms of delivery of goods in purchase and sale contracts.	Cargo management, Fundamentals of financial literacy, Transport and cargo systems, Terminal transport systems	Organization and management of high-speed rail transport
BD	EC	Railway design and operation	180	6	3	LO4, LO6	The study of the basic concepts of railways, their design methods, the provisions of the track management system. Mastering the skills of applying current standards and design methods for the construction of new and reconstruction of existing railway lines, identifying the causes of malfunctions of elements of the upper structure of the track and ways to prevent them, organizing the production of track works using modern track machines. Computer-aided design technologies (DWAS, AutoCAD) are used.	Engineering Mathematics 1, Computer and engineering modeling, Engineering Mathematics 2	Organization of the operational work of the railway section, Transport interchange hubs, Railway stations and junctions 1
BD	EC	Design and operation of highways	180	6	3	LO4, LO6	The study of the principles of tracing, methods and features of designing elements of highways, taking into account climatic and engineering-geological conditions, principles of construction, maintenance and operation of highways using modern machines and mechanisms, computing software systems. Mastering the skills of performing calculations for construction and reconstruction, determining the appropriate costs. The discipline provides for the development and protection of individual projects.	Engineering Mathematics 1, Computer and engineering modeling, Engineering Mathematics 2	Transport interchange hubs

BD	EC	Cargo management	180	6	5	LO5, LO8	Study of the properties of goods and conditions of their transportation, transport classification of goods, factors affecting the cargo, transport characteristics of goods affecting the organization of transportation, organization of measures to ensure safety during transportation and storage. Mastering the skills of assessing the quality of goods and methods of determining the impact of transport characteristics of goods on the organization of transportation. The discipline uses interactive teaching methods, the method of case studies.	Transportation management, Special conditions of cargo transportation	Terminal transport systems, Organization of cargo and commercial work, Transport support for international transportation, Foreign economic activity in transport
BD	EC	Cargo packing service	180	6	5	LO5, LO8	Studying the properties of containers and packaging based on the characteristics, operating conditions and manufacturing; familiarization with the types of materials for the production of containers and packaging; obtaining information about the environmental aspect of packaging, packaging safety (environmental requirements). Formation of ideas about the technology of cargo handling in the warehouse, used containers and packaging, packages, as well as labeling. The discipline uses interactive teaching methods, the method of case studies.	Transportation management	Terminal transport systems, Organization of cargo and commercial work, Transport support for international transportation
BD	EC	Managerial economics	90	3	7	LO3	Formation of the conceptual apparatus and development of skills of economic analysis using modern models and patterns of economic science, consideration of economic problems and tasks facing the head of the company. Studying this discipline will allow students to gain and develop knowledge in the field of analytical research of economic, technological and technical parameters of an enterprise, as well as to master the skills of using special methods of economic justification of management decisions and assessment of their consequences.	Minor program 2, Fundamentals of financial literacy	Prospects for the development of railway stations and hubs
BD	EC2	Time management	90	3	7	LO11	The discipline studies a system of methods, tools and approaches that are aimed at effective time management in order to achieve the tasks set. It is designed to improve the skills of organizing and optimizing the use of working time, increase work productivity, reduce stress, planning, delegation, use of tools and technologies, as well as know your time and energy rhythms in order to effectively use your time.	Minor program 1	Organization and management of high-speed rail transport
BD	EC2	Fundamentals of financial literacy	90	3	5	LO3	Formation of general functional economic and financial literacy, mastering methods and tools of economic and financial calculations for solving practical problems.	Minor program 1	Economics and business activities, Foreign economic activity in transport, Managerial economics
БД	КВ8	Critical thinking	90	3	5	LO11	The discipline studies the forms and techniques of rational cognition, the creation of a general idea of logical methods and approaches used in the field of professional activity, the formation of practical skills of rational and effective thinking.	Minor program 1	Economics and business activities
PD	EC1 2	Passenger transport complex	180	6	5	LO4, LO7, LO8	The study of the theoretical and practical provisions of the functioning of passenger complex systems, taking into account the interaction of various modes of transport and planning features of cities, agglomerations, regions. Consideration of issues related to the development of passenger transport infrastructure that meets modern requirements. Obtaining skills in organizing high-quality passenger service at transport facilities and	Operation of urban transport, Organization and management of passenger transportation	Transport interchange hubs

							monitoring the compliance of the quality of services provided with established requirements. Within the framework of the discipline, classes are conducted with departure to the railway station complexes of Almaty-1, Almaty-2.		
PD	EC	Rules of cargo transportation	180	6	5	LO5, LO8	Study of the basics of planning freight transportation in direct rail transport, as well as export and import cargo, rules for receiving and issuing goods, sealing wagons and containers, transportation of bulk goods by routes, goods with declared value. Obtaining skills in documenting the technology of transportation of various goods by rail. The training is conducted with elements of dual education on the basis of transport enterprises.	Rolling stock and train traction	Organization of cargo and commercial work
PD	EC	Special conditions of cargo transportation	180	6	4	LO5, LO8	Studying the principles of organizing the transportation of perishable and dangerous goods in wagons and containers, taking into account the optimization of technical and technological processes of cargo delivery. Acquisition of skills in determining the most optimal schemes for performing loading and unloading and storage operations with perishable and dangerous goods, as well as training rolling stock. As part of the discipline, field classes are held at transport facilities.	Rolling stock and train traction	Cargo management, Transport and cargo systems, Organization of cargo and commercial work, Transport support for international transportation
PD	EC	Industrial transport technology	180	6	4	LO5, LO8	The study of the role of industrial transport in the process of public production, taking into account the interaction of industries and mainline transport, regulatory and legal interaction of industrial and mainline transport. Formation of planning and forecasting skills in industrial transport, development of a unified technological process for industrial and mainline railway transport. The discipline provides for the development of individual projects.	Interaction of modes of transport	Terminal transport systems
PD	EC	Transport security and train traffic management systems	180	6	9	LO2, LO10	The study of terms and definitions in the field of technical operation of transport and traffic safety, regulatory documents regulating the technical operation of transport and traffic safety, standards of technical operation on the device, maintenance and operation of technical means to ensure traffic safety. Acquisition of skills for determining permissible traffic safety violations. As part of the study of the discipline, guest lectures are given by leading top managers of transport companies, solving and analyzing situational problems.	Ensuring traffic safety in transport, Production practice 1, Technology and management of railway sections and directions, Organization and management of high-speed rail transport, Technical regulation of the organization of transportation by rail, Railway stations and junctions 1	Production practice 2, Final certification

PD	EC	Prospects for the development of railway stations and hubs	180	6	9	LO4, LO6	Study of issues of ensuring the modern level of development of railway transport infrastructure in accordance with international standards. The use of innovative methods for calculating the technical equipment of stations, railway sections and nodes to ensure the specified and prospective dimensions of transportation, passage and processing of heavy freight and high-speed trains. Development of projects of stations and nodes according to rational schemes, their integrated development taking into account the achievements of modern science, improvement of their technology based on automation and informatization of production processes.	Information and communication technologies, The basics of artificial intelligence, Transport interchange hubs, Methods of scientific research, Managerial economics, Minor program 3, Organization and management of high-speed rail transport, Railway stations and junctions 1	Production practice 2, Final certification
PD	EC	Minor program 1	90	3	4	LO1, LO3	The first of the three disciplines, which allows you to form additional professional competencies in various subject areas.	Foreign language	Critical thinking, Fundamentals of financial literacy, Time management
PD	EC	Minor program 2	90	3	5	LO1, LO3	The second of the three disciplines, which allows you to form additional professional competencies in various subject areas.	Foreign language	Economics and business activities, Managerial economics
PD	EC	Minor program 3	90	3	7	LO1, LO3	The third of the three disciplines, which allows you to form additional professional competencies in various subject areas.	Computer and engineering modeling, Basics of artificial intelligence	Prospects for the development of railway stations and hubs

10. EXPERT OPINIONS

ЭКСПЕРТНОЕ ЗАКЛЮЧЕНИЕ

на образовательную программу
6В11326 – Организация перевозок, движения и эксплуатация транспорта

Выполнение образовательной программы «6В11326-Организация перевозок, движения и эксплуатация транспорта» осуществляется посредством целостностью изучаемых дисциплин, с установлением определенных задач и целевых индикаторов. Четко прослеживается междисциплинарное взаимодействие, которое заключается в комплексной связи между содержанием отдельных учебных дисциплин, посредством которых достигается внутреннее единство программы подготовки специалистов.

Учебный план образовательной программы включен перечень всех учебных дисциплин обязательного компонента и компонента по выбору, трудоемкость каждой учебной дисциплины в кредитах, последовательность их изучения, виды учебных занятий и формы контроля. Актуально изучение вопросов внедрения новых технологии по обеспечению приемлемых условий безопасной трудовой деятельности на предприятиях транспортно-перевозочного комплекса.

Образовательные маршруты выработаны в соответствии с запросами транспортно-перевозочной отрасли. В каталоги вузовских и элективных модулей внесены дисциплины, позволяющие освоить основные личностные и профессиональные компетенции, а также выполнять трудовые функции, отраженные в профессиональных стандартах транспортной отрасли.

Задача образовательной программы актуальна, сформулирована достаточно емко и объединяет в себе результаты обучения. В описании дисциплин отражены их цели и содержание, как индикатора достижения результатов обучения по данной образовательной программе. Также, в образовательной программе, разработанной на основе профессионального стандарта, отражены основные трудовые обязанности в компетенциях и результатах обучения, указаны виды связей с работодателями: проведение гостевых лекций, лекций ведущих топ менеджеров, наличие филиалов кафедр на базе производственных организаций.

Таким образом, представленная на экспертизу образовательная программа «6В11326-Организация перевозок, движения и эксплуатация транспорта» по направлению подготовки кадров «Транспортные услуги», полностью соответствует требованиям Государственного стандарта, имеет четкую целостность при разработке, отвечает современным запросам рынка труда, профессиональным стандартам и может быть реализована для подготовки кадров по образовательной программе 6В11326-Организация перевозок, движения и эксплуатация транспорта по направлению подготовки кадров 6В113-Транспортные услуги.

Эксперт
Директор департамента
по перевозочной деятельности
ТОО «ТрансКом» Жуматаев А.Ж.

ЭКСПЕРТНОЕ ЗАКЛЮЧЕНИЕ

на образовательную программу
6В11326 – Организация перевозок, движения и эксплуатация транспорта

Образовательная программа «6В11326-Организация перевозок, движения и эксплуатация транспорта» реализуется за счет порядка изучаемых дисциплин, с установлением конкретных задач и целевых индикаторов. Четко прослеживается междисциплинарное взаимодействие, которое заключается в комплексной связи между содержанием отдельных учебных дисциплин, посредством которых достигается внутреннее единство программы подготовки специалистов.

Учебный план образовательной программы включает в себя перечень дисциплин обязательного компонента и компонента по выбору, отражена трудоемкость каждой учебной дисциплины в кредитах, просматривается последовательность изучения дисциплин, показаны формы учебных занятий и виды контроля. В перечень дисциплин образовательной программы вошли модули изучающие вопросы экологической и экономической ситуации и менеджмент, информационные технологии по обеспечению безопасности трудовой деятельности на производстве, которое в настоящее время является актуальным.

Образовательные направления разработаны в соответствии с запросами транспортно-коммуникационной отрасли. В каталоги вузовских и элективных модулей внесены дисциплины, позволяющие освоить основные личностные и профессиональные квалификации, а также выполнять трудовые функции, отраженные в профессиональных стандартах транспортной отрасли. При составлении каталогов вузовского компонента и компонента по выбору учитывались мнения представителей производства в вопросах наименования дисциплин, последовательности их изучения и внутреннего содержания дисциплин. Учтено проведение части практических занятий по специализирующим дисциплинам на производственной базе (филиал кафедры на производстве).

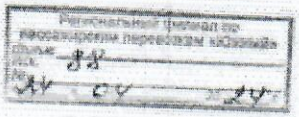
Цель образовательной программы актуальна, сформулирована достаточно четко и включает в себе результаты обучения. В характеристике дисциплин отражены их цели и содержание, как индикатора достижения результатов обучения по данной образовательной программе. Также, в образовательной программе, разработанной на основе профессионального стандарта, отражены основные трудовые функции в компетенциях и результатах обучения, указаны виды связей с работодателями: проведение гостевых лекций, лекций ведущих топ менеджеров, наличие филиалов кафедр на базе организаций.

Таким образом, представленная на экспертизу образовательная программа «6В11326-Организация перевозок, движения и эксплуатация транспорта» по направлению подготовки кадров «Транспортные услуги», полностью соответствует требованиям ГОСО, имеет четкую последовательность при разработке, отвечает современным запросам рынка труда, профессиональным стандартам и может быть реализована для подготовки кадров по образовательной программе 6В11326-Организация перевозок, движения и эксплуатация транспорта по направлению подготовки кадров 6В113-Транспортные услуги.

Эксперт
Главный инженер станций Алматы-1,
филиал ТОО «КТЖ-Грузовые перевозки» -
«Алматинское отделение ГП» Куандыков Е.М.

ТОО "КТЖ-ГРУЗОВЫЕ ПЕРЕВОЗКИ"
АЛМАТЫ 1 КЗХ 2[illegible]007

11. REVIEWER'S CONCLUSION



Рецензия

на образовательную программу
6В11326-Организация перевозок, движения и эксплуатация транспорта по направлению подготовки кадров 6В113-Транспортные услуги

Образовательная программа бакалавриата «6В11326-Организация перевозок, движения и эксплуатация транспорта» содержит следующую информацию: квалификация выпускника, форма и срок обучения, направление и характеристика деятельности выпускников, приведен полный перечень профессиональных навыков, которыми должен обладать выпускник в результате освоения данной образовательной программы.

Дисциплины учебного плана по рецензируемой образовательной программе формируют весь необходимый перечень принятых культурных и профессиональных компетенций, предусмотренных ГОСО по соответствующим видам деятельности.

В учебном плане образовательной программы определен перечень всех учебных дисциплин обязательного компонента и компонента по выбору, трудоемкость каждой учебной дисциплины в кредитах, последовательность их изучения, виды учебных занятий и формы контроля. Каталог элективных дисциплин, Каталог внутривузовского компонента полностью отражают преемственность дисциплин, среди которых следует отметить следующие дисциплины: «Организация и управление пассажирскими перевозками», «Обеспечение безопасности движения на транспорте», «Инфраструктура пассажирского комплекса», «Сервисное обслуживание пассажиров», «Технология и управление работой железнодорожных участков и направлений» и др.

Соблюдена последовательность изучения дисциплин, включены дисциплины, необходимые для организации технологического процесса и управление движением на пассажирских станциях.

Содержание рабочих программ учебных дисциплин и практик позволяет сделать вывод, что оно соответствует компетентностной модели выпускника.

Образовательная программа предусматривает профессионально-практическую подготовку обучающихся в виде практики. Содержание программ производственных практик свидетельствует об их способности сформировать практические навыки обучающихся.

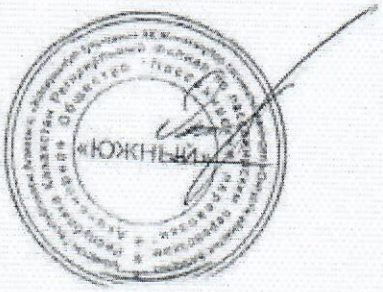
Для разработки образовательной программы были привлечены опытный профессорско-преподавательский состав, ведущие представители работодателя, обучающиеся, учтены их требования при формировании дисциплин профессионального цикла.

Заключение:

В целом, рецензируемая образовательная программа отвечает основным требованиям ГОСО, национальной рамке квалификаций, отраслевой рамке квалификаций, профессиональных стандартов, атласу новых профессий и способствует формированию общекультурных и профессиональных компетенций по направлению подготовки кадров 6В113-Транспортные услуги.

Рецензент

Заместитель директора
по багажным перевозкам
РФ«Южный»



С.Абжапарова

Рецензия

на образовательную программу
6В11326-Организация перевозок, движения и эксплуатация транспорта по направлению подготовки кадров 6В113-Транспортные услуги

Образовательная программа бакалавриата «6В11326-Организация перевозок, движения и эксплуатация транспорта» содержит следующую информацию: квалификация и характеристика деятельности выпускников, получаемая степень выпускника, вид и срок обучения, составлен необходимый перечень квалификации, которыми должен владеть выпускник в результате освоения данной образовательной программы.

Изучаемые дисциплины учебного плана по рецензируемой образовательной программе создает необходимый перечень социально-культурных и профессиональных квалификаций, предусмотренных ГОСО по соответствующим видам деятельности.

В учебном плане образовательной программы определен набор всех учебных дисциплин обязательного компонента и компонента по выбору, загружаемая емкость каждой учебной дисциплины в кредитах, порядок их изучения, виды учебных занятий и формы аттестационного контроля. Каталог элективных дисциплин, Каталог внутривузовского компонента в полном объеме отражают непрерывность дисциплин, среди которых следует отметить следующие дисциплины: «Интеллектуальные технологии работы транспортных узлов», «Компьютерное и инженерное моделирование», «Инновационные технологии работы железнодорожных участков и направлений», «Системы управления движением поездов», «IT технологии в управлении перевозками на транспорте», «Критическое мышление» и др.

Соблюдается последовательность изучения дисциплин, включены дисциплины, необходимые для организации производства и управление технологическим процессом.

Содержание рабочих программ учебных дисциплин и практик дает сделать вывод, что оно в полном объеме соответствует компетентности модели выпускника.

Образовательная программа предусматривает профессионально-практическую подготовку обучающихся в виде практики. Содержимое программ производственных практик свидетельствует об их способности сформировать практические навыки обучающихся.

Для разработки образовательной программы были привлечены опытный профессорско-преподавательский состав, ведущие инженеры работодателя, обучающиеся, учтены их требования при формировании дисциплин профессионального цикла.

Заключение:

В целом, рецензируемая образовательная программа отвечает основным требованиям ГОСО, национальной рамке квалификаций, отраслевой рамке квалификаций, профессиональных стандартов, направлению новых профессий и способствует формированию социально-культурных и профессиональных компетенций по направлению подготовки кадров 6В113-Транспортные услуги.

Рецензент

Заместитель начальника станции Алматы-1
ТОО «КТЖ-Грузовые перевозки»-
«Алматинское отделение» Абдикулов А.Б.

ТОО "КТЖ-ГРУЗОВЫЕ ПЕРЕВОЗКИ"
АЛМАТЫ 1 КЗХ 700007

12. RECOMMENDATION LETTERS

«ТрансКом»
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серіктестігі

A25D7M2, Қазақстан
Республикасы, Алматы қаласы,
Достық даңғылы 291/32

ТрансКом

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Товарищество с
ограниченной
ответственностью
«ТрансКом»

A25D7M2, Республика
Казахстан, город Алматы,
проспект Достык 291/32

Исх.№ 021
«04» 03 2023 ж/г

Президенту-Ректору
Академии логистики и транспорта
Амиргалиевой С.Н.

Уважаемая Салтанат Нурадиловна!

Руководство ТОО «ТрансКом» в лице Директора департамента по перевозочной деятельности ознакомилось с содержанием образовательной программы «Организация перевозок, движения и эксплуатация транспорта» и внесло следующие рекомендации:

- включить в содержание образовательной программы дисциплины, формирующие компетенции менеджера критического мышления;
- увеличить количество часов, выделяемых на проведение части практических занятий на производственных базах работодателей с целью формирования качественных профессиональных квалификаций;
- развивать содержимое образовательных программ путем включения в цикл базовых и профилирующих модулей дисциплины, отражающие новые инновационные технологии в транспортно-коммуникационной сфере. Предлагается включить следующие дисциплины «Особые условия перевозок грузов», «Современные технологии управления грузовой и коммерческой работой», «Транспортная безопасность и системы управления движением поездов», «Организация эксплуатационной работы железнодорожного участка»;
- увеличить количество часов, выделяемых на проведение производственных практик;
- разработать и согласовать программу производственной практики с требованиями работодателей;

включить дисциплины:

- способствующие изучению инновационных технологий в перевозочном процессе;
- формирующие навыки в области организации международного перевозочного процесса;
- при изучении которых применяются программные технологии.

Директора департамента по перевозочной деятельности
ТОО «ТрансКом» **Жуматаев А.Ж.**

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Президенту-Ректору
Академии логистики и транспорта
Амиргалиевой С.Н.

Уважаемая Салтанат Нурадиловна!

Руководство ТОО «КТЖ-Грузовые перевозки»-«Алматинское отделение ГП», станция Алматы-1 в лице начальника станции ознакомилось с содержанием образовательной программы «Организация перевозок, движения и эксплуатация транспорта» и внесло следующие рекомендации:

- включить в содержание образовательной программы дисциплины, формирующие компетенции техник-инженера;
- выделить максимальное количество часов на проведение части практических занятий на производственных базах работодателей с целью формирования определенных профессиональных качеств;
- актуализировать содержание образовательных программ путем включения в цикл базовых и профилирующих модулей дисциплины, отражающие современные инновационные технологии в транспортно-коммуникационной сфере. Предлагается включить следующие дисциплины «Организация эксплуатационной работы железнодорожного участка», «Транспортная безопасность и системы управления движением поездов», «Проектирование и эксплуатация железных дорог», «Организация перевозки грузов с особыми условиями»;
- увеличить количество часов, выделяемых на проведение производственных практик;

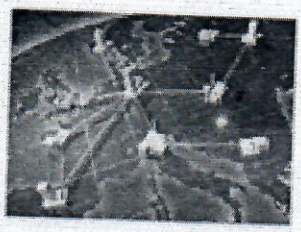
включить дисциплины:

- способствующие изучению информационных, коммуникационных технологий;
- формирующие навыки в области организации технологического процесса производства и охраны труда;
- формирующие знания и навыки экономического и управленческого характера;
- при изучении которых применяются программные продукты.

Начальник станции Алматы-1
ТОО «КТЖ-Грузовые перевозки»-
«Алматинское отделение ГП» **Садыков Б.А.**

ТОО «КТЖ-Грузовые перевозки»
АЛМАТЫ-1 ИЗХ 700007

ҒЫЛЫМИ-
ЗЕРТТЕУ
ОРТАЛЫҚ



НАУЧНО-
ИССЛЕДОВАТЕЛЬСКИЙ
ЦЕНТР

РАЗВИТИЕ ПЕРЕВОЗОЧНОГО
ПРОЦЕССА

Исх.№ _____
«23» 08 2023г.

Президенту-Ректору
ALT Университет
им. М. Тынышпаева
Амиргалиевой С.Н.

Уважаемая Салтанат Нурадиловна!

Руководство ТОО НИЦ «Развитие перевозочного процесса» в лице Директора по коммерциализации Сманов А. ознакомилось с содержанием образовательной программы «Организация перевозок, движения и эксплуатация транспорта» и внесло следующие рекомендации:

- включить в содержание образовательной программы дисциплины, формирующие компетенции инженеров в организации перевозочного процесса;
- проводить, части лабораторных и практических занятий на производственных базах работодателей с целью формирования специальных профессиональных компетенций и навыков;
- усовершенствовать содержимое образовательных программ путем включения в цикл основных и профилирующих модулей дисциплины, отражающие современные инновационные технологии в транспортно-перевозочной сфере. Предлагается включить следующие дисциплины «IT технологии в обеспечении безопасности движения на транспорте», «Интеллектуальные технологии в организации вагоно- и пассажиропотоков», «Управление эксплуатационной работой на транспорте», «Транспортная безопасность и системы управления движением поездов», «Основы финансовой грамотности», «Инновационная инфраструктура пассажирского комплекса»;
- увеличить количество часов, выделяемых на проведение производственных практик;
- наладить сотрудничество с трансконтинентальными компаниями;

включить дисциплины:

- способствующие изучению искусственного интеллекта;
- формирующие навыки в области обеспечение безопасности движения;
- при изучении которых применяются моделирование перевозочного процесса.

Директор по коммерциализации **Сманов А.**

(A) RAILWAY SOLUTIONS AZURITE

Президенту-Ректору
Академии логистики и транспорта
Амиргалиевой С.Н.

ZURITE RAILWAY
OLUTIONS LLP
WW.AZURITE.TRADE

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IZAKHSTAN

Уважаемая Салтанат Нурадиловна!

Руководство ТОО «Azurite Railway Solutions» в лице генерального директора Шарубекова М.Н. ознакомилось с содержанием образовательной программы «Организация перевозок, движения и эксплуатация транспорта» и внесло следующие рекомендации:

- включить в содержание образовательной программы дисциплины, формирующие компетенции инженера и интеллектуального лидера;
- увеличить количество часов, выделяемых на проведение части лабораторных и практических занятий на базах работодателей с целью формирования определенных видов профессиональных компетенций и управленческих навыков;
- актуализировать содержание образовательных программ путем включения в цикл базовых и профилирующих модулей дисциплины, отражающие современные инновационные технологии в транспортно-коммуникационной сфере. Предлагается включить следующие дисциплины «IT технологии в обеспечении безопасности движения на транспорте», «Организация эксплуатационной работы железнодорожного участка», «Управление эксплуатационной работой на транспорте», «Транспортная безопасность и системы управления движением поездов», «Современный подвижной состав железнодорожных дорог», «IT технологии в управлении перевозочным процессом»;
- увеличить количество часов, выделяемых на проведение производственных практик;
- расширять список компании партнеров для проведения производственных занятии;

включить дисциплины:

- способствующие изучению интеллектуальных информационных технологий;
- формирующие навыки в области организации перевозочного процесса и обеспечение безопасности движения;
- при изучении которых применяются компьютерное программирование и моделирование.

Генеральный директор
ТОО «Azurite Railway Solutions» **Шарубеков М.Н.**

13. PROTOCOLS OF REVIEW AND APPROVAL

Академия логистики и транспорта

ВЫПИСКА ИЗ ПРОТОКОЛА №6

город Алматы

14.02.2024

Заседания кафедры
«Организация перевозок и эксплуатация транспорта»

Председатель: Битилеуова З.К.
Секретарь: Суйенишова М.Е.

Присутствовали: зав.каф. «ОПЭТ» к.т.н., ассоц.профессор Битилеуова З.К., к.т.н., ассоц. профессоры: Вахитова Л.В.., Альтаева Ж.Ж., к.т.н., ассистент-профессоры: Молгаждаров А.С., Абибуллаев С.Ш., Айкумбеков М.Н., ассистент-профессор: Бекмагамбетова Л.К., сениор-лекторы: Олжабаева Р.С., Айпенов Ж.С., Нуржаубаев М.М., ассистент-преподаватель: Суйенишова М.Е., специалист Есболатулы О.

Представители с производства: Директор по коммерциализации ТОО НИЦ «Развитие перевозочного процесса» - Сман А., Начальник отдела диспетчерского управления перевозками ТОО «ТрансКом» - Косыбаев К.К., Специалист-аналитик отдела диспетчерского управления перевозками - Айкумбеков М.Н., Директор департамента по организации перевозок ТОО «КТЖ-Грузовые перевозки» - «Дирекция по организации перевозочного процесса» - Рахметжанов А.Е., Директор департамента по перевозочной деятельности ТОО «Транском» - Жуматаев А.Ж., Начальник станции Балхаш-1 филиала ТОО «КТЖ-Грузовые перевозки» - Карагандинское отделение ГП - Искаков Е.А., Директор научно-исследовательского института по безопасности дорожного движения –Масанов А., Директор автобусного парка -3, г.Алматы – Кундакбаев С.М., Казахстанский дорожный НИИ, -директор департамента стандартизации и информации – Айдарбеков Е.К.

Обучающиеся: по ОП 6В11326 – ОПДЭТ Кошербаева С., по ОП 6В11367-ОДД Карсыбаев А.Б, по ОП 7М11351/52-ОПДЭТ – Асанов А, 7М11353-ЭЭИВЖТ – Матибрахимов А.Ф., по ОП 8D11361-ОПДЭТ – Сагитжанова М.Ж.

ПОВЕСТКА ДНЯ:

4. Разное
4.2 Рассмотрение компетентностной модели выпускника
4.3 Рассмотрение возможности включения дисциплин в КЭД и РУП

По четвертому вопросу (4.2) повестки дня ВЫСТУПИЛ: Зав.кафедрой Битилеуова З.К. предложил рассмотреть компетентностную модель выпускника по 3 уровням образования: бакалавриат, магистратура, докторантура. Представлены образовательные программы 6В11326-ОПДЭТ, 6В11367-ОДД, 6В07174-ИТТП, 7М11351/52-ОПДЭТ, 7М11353-ЭЭИВЖТ, 8D11361-ОПДЭТ.

Компетентностная модель выпускника включает в себя следующие части:

- Цель и задачи образовательной программы;
- Результаты обучения;
- Область, объекты, виды и функции профессиональной деятельности;
- Перечень должностей по образовательной программе;
- Профессиональные сертификаты, полученные по окончании обучения;
- Требования к предшествующему уровню образования.

ВЫСТУПИЛ: Представитель работодателей: Абдреев Г.А., который предложил в силу специфики их организации отразить в объектах профессиональной деятельности следующее: процессы организации и управления эксплуатационной деятельности пассажирекого и грузового транспорта. Отметил необходимость реализации новой (инновационной) образовательной программы 6В07174-ИТТТ, которую планируется внести в направление подготовки кадров «Инженерия и инженерное дело». В рамках данной образовательной программы необходимо отражать инновационные технологии на транспорте, которые уже применяются в мировой практике.

ВЫСТУПИЛ: Ассоциированный профессор АЛиТ Молгаждаров А.С., который предложил в образовательных программах учесть проведение ряда практических занятий на производственной базе, в филиале кафедры в филиале «ТОО-Грузовые перевозки» - «Алматинское отделение ГП». Кроме того, следует внести в учебные планы актуализированные дисциплины, которые требуется согласовать с представителями работодателей.

После рассмотрения компетентностной модели выпускника было предложено утвердить данную Модель по 3 уровням образования для образовательных программ 6В11326-ОПДЭТ, 6В11367-ОДД, 6В07174-ИТТП, 7М11351/52-ОПДЭТ, 7М11353-ЭЭИВЖТ, 8D11361-ОПДЭТ.

ПОСТАНОВИЛИ:

4.2.1 Представить компетентностную модель выпускника по 3 уровням образования: бакалавриат, магистратура, докторантура по образовательным программам 6В11326-ОПДЭТ, 6В11367-ОДД, 6В07174-ИТТП, для рассмотрения и утверждения на Совете института «Логистика и управление».

По четвертому вопросу (4.3) повестки дня ВЫСТУПИЛ: Зав.кафедрой Битилеуова З.К. с предложением заслушать представителей работодателей и обучающихся по включению новых дисциплин в КЭД и РУП приема 2024 г.

ВЫСТУПИЛ: представитель работодателей Жуматаев А.Ж.

Организации заинтересованы в специалистах, имеющих хороший уровень подготовки и знаний в области организации перевозок, движения и эксплуатации транспорта. Вносим предложения о вынесении в модуль Практико-ориентированных дисциплин дисциплины «Транспортная безопасность и системы управления движением поездов» и «Перспективы развития железнодорожных станций и узлов», проведение занятий по которым организовать на базе производственных предприятий транспорта.

ВЫСТУПИЛИ: представители работодателей Рахметжанов А.Е., Айкумбеков М.Н., Масанов А.

Организации заинтересованы в специалистах, имеющих хороший уровень подготовки и знаний в области организации перевозок, движения и эксплуатации транспорта. Вносим предложения о внесении в РУП следующих востребованных дисциплин: Наименование дисциплин для внесения в ОП 6В11326-ОПДЭТ, 6В11367-ОДД, 6В07174-ИТТП, 7М11351/52-ОПДЭТ, 7М11353-ЭЭИВЖТ, 8D11361-ОПДЭТ: «Основы искусственного интеллекта»; «Компьютерное и инженерное моделирование».

ВЫСТУПИЛ: обучающийся Кошербаева С.

Для нашего общего развития и формирования soft-skills считаем необходимым включить в РУП следующие дисциплины: «Основы финансовой грамотности»; «Критическое мышление».

ПОСТАНОВИЛИ:

4.3.1 Информацию принять к сведению;

4.3.2 Учесть предложения и рекомендации работодателей и обучающихся;

4.3.3 Рассмотреть включение в РУП следующие дисциплины:

Наименование дисциплин для внесения в ОП 6В11326-ОПДЭТ, 6В11367-ОДД, 6В07174-ИТТП:

- Основы искусственного интеллекта;
- Компьютерное и инженерное моделирование;
- Основы финансовой грамотности;
- Критическое мышление.

4.3.4 Вынести в модуль Практико-ориентированных дисциплин:

- в ОП 6В11326-ОПДЭТ дисциплины «Транспортная безопасность и системы управления движением поездов» и «Перспективы развития железнодорожных станций и узлов», проведение занятий по которым организовать на базе производственных предприятий транспорта;
- в ОП 6В07174-ИТТТ дисциплину «Интеллектуальные системы обеспечения безопасности движения»;
- в ОП 6В11367-ОДД дисциплины «Моделирование дорожного движения» и «Обследование УДС и параметров транспортного потока».

4.3.5 Утвердить каталоги элективных дисциплин образовательных программ 6В11326-ОПДЭТ, 6В11367-ОДД, 6В07174-ИТТП, 7М11351/52-ОПДЭТ, 7М11353-ЭЭИВЖТ, 8D11361-ОПДЭТ на 2024-2025 учебный год.

Зав. кафедрой «ОПЭТ» **Битилеуова З.К.**

Секретарь **Суйеншова М.Е.**

Академия логистики и транспорта

ВЫПИСКА ИЗ ПРОТОКОЛА № 7

Заседания Комиссии по обеспечению качества – Учебно-методического бюро (КОК УМБ) института «Логистика и управление»

г. Алматы

«26» февраля 2024 года

Председатель: Мусаева Г.С.
Секретарь: Урсарова А.К.

Присутствовали: члены КОК-УМБ, председатель КОК-УМБ ИЛУ, директор института, д.т.н., профессор Мусаева Г.С., сениор-лектор кафедры «ЛиМТ», заместитель директора по учебно-методической работе Бадамбаева С.Е., сениор-лектор кафедры «ЛиМТ», заместитель директора по воспитательной работе Алик А., зав.кафедрой «ЛиМТ» ассоциированный профессор Кенжебаева Г.Ж., зав.кафедрой «ОПЭТ», ассоциированный-профессор Биттилеуова З.К.; ассоциированные профессор кафедры «ОПЭТ» Вахитова Л.В.; к.э.н., ассоциированный профессор кафедры «ЛиМТ» Ахметжанова А.Х., PhD, ассистент профессор кафедры «ОПЭТ» Бекмагамбетова Л.К., сениор-лектор «ЛиМТ», секретарь КОК-УМБ ИЛУ Урсарова А.К., сениор-лекторы: Нуржаубаев М.М; Байбусинова М.А,

Представители с производства: Начальник отдела "Управление проектами" ТОО " НИИТК" Суванбаева Ф. Г., Специалист по работе с клиентами по жд перевозкам ТОО «CMA CGM Logistics Central Asia» Коржумбаева С.Т, Директор по коммерциализации ТОО НИЦ «Развитие перевозочного процесса» - Сман А., Начальник отдела диспетчерского управления перевозками ТОО «ТрансКом» - Косыбаев К.К., Специалист-аналитик отдела диспетчерского управления перевозками - Айкумбеков М.Н., Директор департамента по организации перевозок ТОО «КТЖ-Грузовые перевозки» - «Дирекция по организации перевозочного процесса» - Рахметжанов А.Е., Директор департамента по перевозочной деятельности ТОО «Транском» - Жуматаев А.Ж., Начальник станции Балхаш-1 филиала ТОО «КТЖ-Грузовые перевозки» - Карагандинское отделение ГП - Искаков Е.А., Директор научно-исследовательского института по безопасности дорожного движения –Масанов А., Директор автобусного парка -3, г.Алматы – Кундакбаев С.М., Казахстанский дорожный НИИ, -директор департамента стандартизации и информации – Айдарбеков Е.К.

Обучающиеся: студенческий декан ИЛУ Марупжанов И., обучающийся группы МН-Л-23-1 Калтаева Д., обучающийся по ОП 6В11326 – ОПДЭТ Кошербаева С., по ОП 6В11367-ОДД Қарсыбаев А.Б, по ОП 7М11351/52-ОПДЭТ – Асанов А, 7М11353-ЭЭИВЖТ – Матибрахимов А.Ф., по ОП 8D11361-ОПДЭТ – Сагитжанова М.Ж.

ПОВЕСТКА ДНЯ:

5. Разное

5.1 Рассмотрение Каталога элективных дисциплин (КЭД). Рабочей учебной программы (РУП), паспорта образовательных программ бакалавриата, магистратуры и докторантуры.

ВЫСТУПИЛ(а): зав. кафедрой «ОПЭТ» Битилеуова З.К. представил на рассмотрение КЭД, РУП бакалавриата, магистратуры и докторантуры.

На кафедре «ОПЭТ» было проведено заседание с привлечением представителей работодателей и обучающихся по обсуждению структуры и содержанию образовательных программ бакалавриата, магистратуры и докторантуры 6В11326-Организация перевозок, движения и эксплуатация транспорта; 6В11367-Организация дорожного движения; 6В07174-Интеллектуальные технологии транспортных процессов; 7М11351 (7М11352)- Организация перевозок, движения и эксплуатация транспорта; 7М11353-Экономика, экология и инфраструктура

на высокоскоростном железнодорожном транспорте; 8D11361- Организация перевозок, движения и эксплуатация транспорта.

Представителями работодателей и обучающимися были предложены ряд новых актуальных дисциплин, которые кафедра одобрила и включила в новые КЭД и РУП.

ПОСТАНОВИЛИ:

1. Информацию принять к сведению;
2. Учесть все предложения и рекомендации работодателей, представителей студенческого актива;
3. Представить КЭД, РУП и ОП бакалавриата, магистратуры и докторантуры для рассмотрения и утверждения на Совете института, УС Академии.

Председатель КОК УМБ **Мусаева Г.С.**

Секретарь **Урсарова А.К.**

14. APPROVAL SHEET

№	Full name	Place of work/study	Position	Date of approval	Signature

15. CHANGE REGISTRATION SHEET

Publication number	Date of introduction	Changes	Signature
1	2	3	4