"Kazakh University of Technology and Business" named after K.Kulazhanova" JSC

EDUCATIONAL PROGRAM

6B04110 Economy

code and name of the educational program

Level: *bachelor*

Approved
by the Board of Directors of JSC
«K.Kulazhanov KazUTB»
«17» 02 2026 protocol No. 4

Recommended
by the Academic Council of JSC
«K.Kulazhanov KazUTB»
«17» 02 2026 protocol No. 7

Astana, 2026

©Is the intellectual property of JSC "KazUTB named after K.Kulazhanov"
Reprinting and/or further transfer to third parties is prohibited

CONTENT

Preface	3
Approval sheet	4
1 Passport of the educational program	5
2 Qualification characteristics of a graduate of an educational program	5
3 Requirements for the content of the educational program	6
4 Additional educational programs (minor)	6
5 Competency map of the educational program	7
6 Learning outcomes of the educational program and modules	8
7 The relationship between the attainability of the formed learning outcomes according to the educational program and academic disciplines	12
8 Alignment of planned learning outcomes with assessment technologies and teaching methods within the module	28
9 Correlation of learning outcomes of the educational program with the labor functions of professional standards	30
10 Graduate model	33
11 Typical curriculum (appendix to the OP)	34
12 Expert opinion	37

Preface

The Educational Program «6B04110 – Economy» has been developed in accordance with the State Compulsory Standard of Higher Education / Postgraduate Education, approved by Order No. 2 of the Minister of Science and Higher Education of the Republic of Kazakhstan dated July 20, 2022, as well as on the basis of the following professional standards of the Career Enbek system: «Organizational Development and Workforce Planning of an Organization» dated December 5, 2024, No. 449, and «Labor Relations Management» dated December 5, 2024, No. 449.
In addition, the development of the educational program was based on the Sectoral and Regional Atlases of Professions and Competencies for 2023–2025, including the professions «Enterprise Management Efficiency Manager» and «Mining Enterprise Economist».
Information on the profession «Enterprise Management Efficiency Manager» is provided in the (https://atlasbt.enbek.kz/ru/profession/512), while information on the Regional Atlases of Professions and Competencies is available through (https://enbek.kz/storage/atlas-regions).

The educational program «6B04110 Economy» was approved at the meeting of the Council on Academic Quality on «22» 01 2026, protocol No. 3
Chairman E.B. Askarbekov

The educational program «6B04110 Economy» was approved at the meeting of the Commission on Academic Quality of the Faculty Economics and Business «17» 12 2025, protocol No. 4
Chairman M.K. Makysh

The educational program «6B04110 Economy» was developed and discussed at the meeting of the department «Economics and management » dated «15» 12 2025, protocol No. 5
Head of the department N.E.Abdildinova

Approval sheet

Educational program ___«6B04110 Economy»_____
(code and name of theEP)

AGREED:

Vice-Rector for Administrative Affairs	_____	E. Askarbekov	"22" 01 2026 year
Head of Educational Programs Department	_____ PP	B. Bayadilova	"22" 01 2026 year
President of the Association of Legal Entities and Individual Entrepreneurs in the Form of an Association "Self-Regulatory Organization – Association of Light Industry Enterprises of the Republic of Kazakhstan"	_____ PP	S. Abdikarimova	"15" 12 2025 year
Head of the Environmental Management Division, Department of Environmental Regulation and Sustainable Development, «Kazakhmys Corporation» LLP	_____ PP	B. Abdildinova	"15" 12 2025 year
General Director Ministry of Ecology and Natural Resources of the Republic of Kazakhstan RSE CEC «Information and Analytical Center for Environmental Protection»	_____ PP	A. Kozhumov	"15" 12 2025 year
Director of «G.N.G» LLP	_____ PP	N. Zakirov	"15" 12 2025 year
Head of the Municipal State Institution "Youth Resource Center 'Astana Zhastary'" of the Akimat of the city of Astana	_____ PP	Ch. Tleulin	"15" 12 2025 year
Student of the EC-231 group	_____	A. Umirkul	"15" 12 2025 year

1 Passport of the educational program

International Standard Classification of Education (ISCED) level	6
National Qualification Framework (NQF) level	6
Sectoral Qualifications Framework (SQF) level	6
Code and name of the field of education	6B04 Business, Management and Law
Direction of training	6B041 Business and Management
Number and name of the group of educational programs	B046 Finance, economics, banking and insurance
Code and name of the educational program (EP	6B04110 Economy
Educational program profile	Higher economic education
EP purpose	Implementation of education based on a competence-based approach and multilingualism, the use of innovative learning technologies. Preparation of bachelors who are competitive in the labor market, who have an idea of the financial and economic problems of the functioning of enterprises, who are able to analyze the activities of economic objects, who have the knowledge necessary in the rapid innovative development of the economy that accompanies modern business processes.
Completion criterion of an educational program	240 academic credits
Language of instruction of the educational program	russian, kazakh
Distinctive features of the educational program	-
Partner University	-

2 Qualification characteristics of a graduate of an educational program

Degree awarded	Bachelor of Business and Management in the educational program «6B04110 Economics»
Field of professional activity	- economic, financial, marketing, production-economic, and analytical departments of enterprises and organizations across various industries and forms of ownership; - government and quasi-government bodies, public administration, and local self-government authorities; - consulting and expert services in the socio-humanitarian sphere; - innovative and project activities in the field of regulation and development of economic processes; - foreign economic and logistics activities.
Types of professional activities	- organizational and technological activities; - economic and financial calculation activities; - production and managerial activities; - project-based activities; - analytical activities; - research activities.
Object of professional	enterprises of all forms of ownership and organizational-legal forms; structural production and functional units of enterprises; public and local government bodies;

activity	financial, marketing, economic, and analytical departments; project and consulting organizations; foreign economic activity organizations; educational institutions and research institutes; infrastructure facilities, environmental protection, and sustainable natural resource management entities.
Functions of professional activity	- collection and processing of primary data on the financial and economic activities of organizations; - participation in the development and implementation of state and sectoral development programs; - ensuring the implementation of production programs, development strategies, and investment projects; - conducting calculations of economic efficiency based on standard methodologies and current regulatory frameworks; - planning, forecasting, and managing resources, costs, procurement, logistics, and sales; - formation and development of the enterprise's market strategy; - improvement of wage systems, labor standards, and efficiency enhancement mechanisms; - organization and support of foreign economic activity; - participation in the evaluation of project and pre-project documentation for compliance with requirements and international standards; - preparation of financial and economic reports of the enterprise.

3 Requirements for the content of the educational program

Name of cycles and disciplines	Workload in academic credits
Cycle of general education disciplines (GED)	**56**
Required component	51
University component	5
Cycle of basic disciplines (BD)	**85**
University component	46
Component of choice	39
Professional practice	
Cycle of major disciplines (MD)	**91**
University component	10
Component of choice	64
Professional practice	17
Final certification	**8**
Total	**240**

4 Additional educational programs (minor)

4.1 Minor «Modern aspects of artificial intelligence application»

Name of disciplines	Workload in academic credits
Introduction to Artificial Intelligence	5
Development of artificial neural networks	5
Artificial intelligence in object management	5
Total	**15**

5 Competency map of the educational program «6B04110 Economy»

Competence map of the educational program	Learning outcome code	Learning Outcome (according to Bloom's Taxonomy)
Behavioral skills and personality traits (Softskills)	GEC1	Forms a system of general competencies that ensure the socio-cultural development of the future specialist's personality, based on the formation of their worldview, civic, and moral stance, oriented towards a healthy lifestyle.
	GEC2	Capable of communication in both oral and written forms in Kazakh, Russian, and foreign languages to solve tasks related to interpersonal, intercultural, and professional communication
	GEC3	Promotes the development of information literacy through the mastery and use of modern information and communication technologies in all areas of activity.
	LO1	Applies economic, legal, and financial tools to make informed decisions, develop projects, and organize professional activities.
	LO2	Analyzes the impact of internal and external factors on organizational performance using economic analysis and data-driven methods, considering labor relations and labor market requirements.
Digital competencies (Digital skills)	LO3	Uses modern digital technologies and data processing tools, including elements of artificial intelligence, to solve economic problems.
	LO4	Applies economic and statistical data analysis methods to support managerial decision-making and organizational planning, taking into account human resource needs.
	LO5	Analyzes economic processes and calculates cost, investment, and efficiency indicators, considering industry-specific characteristics.
Professional skills (Hardskills)	LO6	Analyzes economic information across industries and sectors to identify trends in economic development.
	LO7	Develops business plans and economic sections of organizational activities, ensuring efficient use of resources and considering organizational structure.
	LO8	Assesses risks and threats to economic activity, including social and labor aspects, and develops measures to ensure sustainability and social stability of the organization.
	LO9	Performs analysis, monitoring, and coordination of organizational activities using modern analytical and management tools aimed at improving efficiency and organizational development.
	LO10	Evaluates the impact of sustainable development factors, environmental and economic risks on ensuring economic security.
	LO11	Identifies directions for business and foreign economic activity development, considering market conditions.
	LO12	Develops strategies, forecasts, and development plans based on data analysis, strategic thinking, and improving business process efficiency.

6 Learning outcomes of the educational program and modules

Key competencies	Learning Outcomes (LO) for the educational program	Name of module	Learning outcomes for the module	Name of disciplines that form learning outcomes
Behavioral skills and personality traits (Softskills)качества (Softskills)	LO_{GEC1} Forms a system of general competencies that ensure the socio-cultural development of the future specialist's personality, based on the formation of their worldview, civic, and moral stance, oriented towards a healthy lifestyle.	Man and Society – the foundation of worldview and socio-political knowledge	Applies the fundamental laws of Kazakhstan's history, philosophy, and socio-political knowledge for effective socialization and adaptation in changing socio-cultural conditions, shaping a personality capable of mobility in the modern world, critical thinking, and physical self-improvement.	History of Kazakhstan Philosophy Physical Culture Module of socio-political knowledge (political science, sociology, cultural studies, psychology)
	LO_{GEC2} Capable of communication in both oral and written forms in Kazakh, Russian, and foreign languages to solve tasks related to interpersonal, intercultural, and professional communication.	Information and Communication Module	Capable of interpersonal social and professional commu-nication in Kazakh, Russian, and foreign languages.	Foreign language Kazakh (Russian) language
	LO_{GEC3} Promotes the development of information literacy through the mastery and use of modern information and communication technologies in all areas of activity.	Information and Communication Module	Possesses various types of information and communication technologies for searching, storing, processing, protecting, and disseminating information.	Information and Communication Technologies
	LO1. Applies economic, legal, and financial tools to make informed decisions, develop projects, and organize professional activities.	Fundamentals of Economics	Demonstrates systemic knowledge and practical skills to solve routine professional tasks using economic, legal, and financial tools within the framework of legislation.	Module of economics, entrepreneurship, law and financial literacy (fundamentals of economics and entrepreneurship, basics of law and anti-corruption culture, basics of financial literacy)
	LO2. Analyzes the impact of internal and external factors on organizational performance using economic analysis and data-driven methods, considering labor relations and labor market	Fundamentals of Economics	Possesses systemic theoretical knowledge and analytical skills in the field of economic science, and is capable of applying scientific approaches and economic tools to justify decisions.	Macroeconomics Microeconomics Economic theory Fundamentals of scientific research in economics and management

	requirements.			
		Economy and business		International economics
		Economic analysis and investment management		Economic policy
		Organizational and managerial		State Regulation of Economy
Digital competencies (Digital skills)	LO3. Uses modern digital technologies and data processing tools, including elements of artificial intelligence, to solve economic problems.	Finance, accounting, and strategies	Utilizes modern digital technologies, automation systems, and artificial intelligence tools to collect, process, and analyze information in professional activities.	1C-enterprise Introduction to Artificial Intelligence Development of artificial neural networks
		Economic planning and digital technologies		Digital Economy E-government
		Economy and business		Artificial intelligence in the management of object
	LO4. Applies economic and statistical data analysis methods to support managerial decision-making and organizational planning, taking into account human resource needs.	Fundamentals of Economics	Possesses knowledge in the fields of statistics, finance, and accounting, and is capable of independently applying quantitative methods to analyze and justify economic decisions.	Mathematics in Economics Fundamentals of economic and mathematical modeling Statistics
		Finance, accounting, and strategies		Accounting Finance
	LO5. Analyzes economic processes and calculates cost, investment, and efficiency indicators, considering industry-specific characteristics.	Sectoral and regional economics	Demonstrates skills in calculating costs and revenues, analyzing the efficiency of insurance, leasing, and investment projects, as well as applying stock market instruments.	Securities and exchange business
		Finance, accounting, and strategies		Insurance Leasing
		Organizational and managerial		Innovation management
		Economic analysis and investment		Pricing Investment activity

		management		Cost management
		Economic planning and digital technologies		Economics of technology and innovation
Professional skills (Hardskills)	LO6. Analyzes economic information across industries and sectors to identify trends in economic development.	Finance, accounting, and strategies	Analyzes economic indicators of industries, the state of the labor market, employment and unemployment factors to assess the growth potential of economic sectors.	Logistics
		Sectoral and regional economics		Creative economy The economy of the agro-industrial complex Social economy Construction economics
		Economic planning and digital technologies		Labor market economics
	LO7. Develops business plans and economic sections of organizational activities, ensuring efficient use of resources and considering organizational structure.	Economy and business	Demonstrates the ability to independently develop economic sections of business plans and plan financial, economic, and production activities.	Economics of enterprise Organization of small and medium-sized businesses Business planning and modeling
		Economic planning and digital technologies		Planning, rationing, and remuneration
	LO8. Assesses risks and threats to economic activity, including social and labor aspects, and develops measures to ensure sustainability and social stability of the organization.	Organizational and managerial	Formulates theoretical knowledge and skills of management, internal process optimization, and managerial analysis to minimize risks and make effective decisions.	Management Managerial economics Quality management
		Finance, accounting, and strategies Economy and business		Business planning and modeling
		Economic analysis and investment management		Management analysis

	LO9. Performs analysis, monitoring, and coordination of organizational activities using modern analytical and management tools aimed at improving efficiency and organizational development.	Economic analysis and investment management	Demonstrates skills in applying methods of financial and economic statements analysis, company valuation, and tax accounting monitoring.	Economic analysis Valuation of the company
		Finance, accounting, and strategies		1C-enterprise Theory and organization of taxes
	LO10. Evaluates the impact of sustainable development factors, environmental and economic risks on ensuring economic security.	Economy and business Finance, accounting, and strategies	Is capable of assessing factors of sustainable development of cities and regions, understanding institutional systems and risks, taking into account the provision of economic security.	Sustainable development, ecology and life safety Institutional economics Market infrastructure
		Economic planning and digital technologies		Economic security
		Sectoral and regional economics		Economy of the city Economics of regional development
	LO11. Identifies directions for business and foreign economic activity development, considering market conditions.	Sectoral and regional economics Economy and business	Demonstrates skills in using effective methods of conducting international business, taking into account the current market conjuncture.	Foreign economic activity of firms International business
	LO12. Develops strategies, forecasts, and development plans based on data analysis, strategic thinking, and improving business process efficiency.	Organizational and managerial	Is able to develop specific forecasts and strategies for the optimal development of the organization, taking into account marketing aspects, anti-crisis measures, and strategic management.	AI- marketing Strategic management
		Economic planning and digital technologies		Anti-crisis policy of the enterprise Economic risks at enterprises
	LO1 – LO12	Training and production	Consolidates theoretical knowledge in practice, acquires professional skills, and collects and processes materials for writing the graduation thesis.	Industrial practice 1, Industrial practice 2, Pre-graduate practice/ Industrial practice
	LO1 – LO12	Final Certification	Performs and successfully defends a thesis or passes a comprehensive exam	Writing and defending a thesis, graduation project, or preparing and passing a comprehensive exam

7 The relationship between the attainability of the formed learning outcomes according to the educational program and academic disciplines

№	Name of the discipline	Brief description of the discipline	Number of credits	Formed learning outcomes (codes)															
				LO_{GED1}	LO_{GED2}	LO_{GED3}	LO 1	LO 2	LO 3	LO 4	LO 5	LO 6	LO 7	LO 8	LO 9	LO 10	LO 11	LO 12
Cycle of general education disciplines (GED) Required component/University component																			
1	History of Kazakhstan	The purpose of the discipline shall be to give objective knowledge about the main stages in the development of the history of Kazakhstan from ancient times to the present. The program consists of 5 thematic blocks: Ancient people and the formation of a nomadic civilization, Turkic civilization and the Great Steppe, Kazakhstan in a new era (XVIII-early XX centuries), Kazakhstan in the Soviet period, and Independent Kazakhstan. Upon completion of the discipline, student applies skills of analytical, axiological, critical analysis in the study of historical processes for an objective understanding of the modern Kazakh model of development.	5		+														
2	Philosophy	The purpose of the program is to develop students' holistic understanding of philosophy as a special form of knowledge of the world, its main branches, problems, and methods of their study in the context of future professional activity. The discipline covers the key directions in the emergence and development of philosophy, the foundations of the philosophical understanding of the world, the philosophy of the human being, and the world of values. Upon completion of the discipline, student argue their own moral position regarding relevant issues of contemporary global society.	5		+														
3	Module of Socio-Political Knowledge (Political Science, Sociology, Cultural	The objective of the discipline is to form the socio-humanitarian worldview of learners in the context of addressing the tasks of modernizing public consciousness, encompassing the interdisciplinary study of sociology,	8			+													

	Studies, Psychology)	political science, cultural studies, and psychology while integrating principles of inclusion and the «Adal Azamat» (Honest Citizen) value orientations as fundamental pillars for the development of modern society. Upon completion of the discipline, the student interprets socio-humanitarian knowledge and ethical values based on scientific methods of social analysis, participates in conflict resolution, and provides reasoned advocacy for positions regarding the modernization of Kazakhstan.																
4	Foreign Language	The goal of the curriculum shall be the formation of intercultural communicative competence of students in the process of foreign language education at a sufficient level (A2, common European framework) and the level of basic sufficiency (B1, common European framework). The course content entails a sequential study of language proficiency levels by integrating social, socio-cultural, and academic-professional communication spheres. Upon completion of the discipline, student will be able to articulate potential solutions to contemporary issues in a foreign language, utilizing evidence-based information and reasoned arguments.	10	+														
5	Kazakh (Russian) Language	The purpose of the program - to teach the Kazakh (Russian) language in accordance with international standards for teaching languages, to increase the importance of the Kazakh language as the state language and the Russian language as a medium for intercultural and professional communication, developing competence in the use of the Kazakh (Russian) language by a future specialist as a means of communication in scientific, socio-cultural, political, professional spheres of public life. Upon completion of the curriculum, the student shall show competence in conditions of personal, social and professional communication in accordance with the peculiarities of the language, culture, communication situation.	10	+														

6	Information and Communication Technologies	The purpose of the program is to develop the ability to critically evaluate and analyze processes, methods of searching, storing and processing information, and methods of collecting and transmitting information through digital technologies. Studies the fundamentals of working with information, digital technologies, and computer systems; the application of software, internet services, and ICT in professional and research activities; information security; and artificial intelligence technologies. Upon completion of the discipline, student will be able to utilize digital technologies to develop data analysis and management tools for various fields of activity.	5				+												
7	Physical Culture	The goal of the curriculum shall be the formation of socio-personal competences of students and the ability to purposefully use the means and methods of physical culture for conservation, promotion of health to prepare for professional activities; to take physical stress, mental stress and adverse factors in their future activities. Upon completion of the curriculum, the student shall to use a variety of forms and types of physical activities for healthy life, active recreation and leisure.	8	+															
8	Module of Economics, Entrepreneurship, Law and Financial Literacy (Fundamentals of Economics and Entrepreneurship, Basics of Law and Anti-corruption Culture, Basics of Financial Literacy)	The discipline is aimed at developing entrepreneurial thinking, financial responsibility, legal literacy, fostering an anti-corruption culture, and commitment to the principles of law and order in a market economy. Its content includes the fundamentals of economics, entrepreneurship, financial literacy, law, anti-corruption culture. As a result of studying the discipline, the student has the skills to make effective economic decisions, ensure legal protection, apply financial literacy, and adhere to anti-corruption practices.	5				+												
Cycle of major disciplines University component/Elective component																			

9	Introduction to the Specialty (Economics)	The discipline is aimed at forming basic understanding of the professional activity of an economist and the specifics of economic functioning in modern conditions. The content covers fundamentals of economic theory, key categories and laws, the structure of the educational program, as well as current trends in economic development. As a result, the student builds an individual professional development trajectory.	3				+												
10	Macroeconomics	The discipline is aimed at forming knowledge of macroeconomic processes and regularities. The content covers national production, inflation, employment, economic cycles, economic growth, and Keynesian and classical theories of macroeconomic equilibrium. As a result of studying the discipline, the student analyzes the impact of fiscal and monetary policy on macroeconomic equilibrium by applying knowledge of macroeconomic processes and theories.	5					+											
11	Mathematics in Economics	The discipline is aimed at studying elements of analytical geometry, mathematical analysis, elements of probability theory and mathematical statistics, which develops students' ability to analyse and apply mathematical modelling methods when solving management problems in economics and business.	4							+									
12	Management	The discipline is aimed at forming theoretical knowledge and practical skills in the field of management. The content covers the principles, functions, and methods of management, analysis of the external and internal environment of an organization, strategic and operational planning, motivation, and control. As a result of studying the discipline, the student justifies management decisions in their professional activity.	5										+						
13	Microeconomics	The discipline forms systematic knowledge of microeconomic processes and the regularities of market functioning. The content covers the behavior of consumers and producers, market equilibrium, characteristics of market structures, resource markets, and	5					+											

		market failures. As a result of studying the discipline, the student analyzes the microeconomic environment through graphical and economic-mathematical modeling.																	
14	Fundamentals of Scientific Research in Economics and Management	The discipline is aimed at developing knowledge and skills in the application of research methods and tools in economics and management. The content covers the theory of scientific knowledge, methods of data collection and analysis, formulation of research hypotheses, model building, evaluation of economic and managerial processes, as well as the preparation of scientific reports and publications. As a result of mastering the discipline, the student develops scientifically grounded recommendations that ensure effective managerial decision-making.	3					+											
15	Sustainable Development, Ecology, and Life Safety	This discipline is designed to cultivate a systemic understanding of the principles of balancing economic development, social well-being, environmental preservation, and the protection of human life and health. It covers key issues in ecology, environmental protection, life safety, and sustainable development. Upon completion of the course, students will be able to apply the principles of sustainable development, environmental safety, and occupational health and safety to manage energy and waste within a circular economy framework.	5														+		
16	Enterprise Economics	The discipline is aimed at forming fundamental knowledge of the functioning of an enterprise as a key economic entity in the modern economy. The content covers the characteristics of enterprise activities, the use of fixed and current assets, management of labor resources, the remuneration system, and production costs. As a result of studying the discipline, the student analyzes the efficiency of an enterprise based on the calculation of key economic indicators.	6								+								
17	Economic Theory	The discipline is aimed at forming fundamental knowledge of the regularities of modern economic functioning. The content covers methods of economic	4				+												

		theory, mechanisms of market pricing, behavior of economic agents, and government regulation. As a result of studying the discipline, the student is able to make informed management decisions based on the analysis of market processes.																	
18	AI-Marketing	The discipline is aimed at developing the application of artificial intelligence (AI) technologies in marketing activities. The content covers the fundamentals of AI in marketing, data analysis, machine learning, personalization, digital platforms, marketing automation, customer analytics, consumer behavior forecasting, and AI marketing tools. As a result of mastering the discipline, the student analyzes marketing processes and applies artificial intelligence technologies to optimize marketing operations.	6						+								+		
19	Accounting	The discipline is aimed at developing an understanding of the theoretical foundations of accounting and its role in management systems. The content covers concepts, principles and methods of accounting, structure of the balance sheet, documentation and recording of transactions, and preparation of financial statements. As a result, students apply accounting methods and reporting techniques.	5												+				
20	Introduction to Artificial Intelligence (Minor)	The discipline is aimed at forming fundamental knowledge about the principles and methods of artificial intelligence and the application of intelligent technologies in solving professional tasks. The content covers the stages of the development of artificial intelligence, the fundamentals of machine learning, elements of neural networks, data processing methods, intelligent systems, and the areas of application of artificial intelligence technologies. As a result of studying the discipline, the student applies artificial intelligence technologies in various fields of professional activity.	5						+						+				
21	State Regulation of Economy	The discipline is aimed at developing knowledge for effective management in the field of state economic	5																+

		regulation. The content covers the forms, methods, and tools of public sector regulation, mechanisms of fiscal and tax policy, government programs, and economic development incentives. As a result of studying the discipline, the student analyze economic policy using instruments of state regulation.																	
22	Institutional Economics	The discipline is aimed at developing knowledge of the institutional foundations of economic functioning and their impact on economic development. The content includes the theory of institutions, formal and informal institutions, transaction costs, property rights, institutional changes, the role of the state in the institutional environment. As a result of studying the discipline, the student analyzes institutional factors to improve the efficiency of economic processes.	5				+	+											
23	Leasing	The discipline is aimed at developing a comprehensive understanding of the essence and mechanisms of leasing and its role in the financial system and business activities. The content covers theoretical and practical aspects of leasing operations, methods of payment calculation, efficiency assessment, and risk management. Upon completion, students analyze leasing transactions and develop financing strategies.	5								+				+				
24	Logistics	The discipline is aimed at developing systemic knowledge about managing material, information, and financial flows within supply chains. The content covers the methodology of procurement, production, distribution, and transport logistics, inventory management principles, warehouse system design, and modern concepts of integrating supply chain participants (SCM). Upon completion of the course, the learner calculates optimal parameters for logistical processes to minimize total costs and ensure high service levels.	5										+						
25	International Economics	The discipline is aimed at developing a comprehensive understanding of the structure and functioning of the global economy. The content covers key forms of	5														+		

		international economic relations, global trends and risks, methods of analyzing foreign economic activities and interpreting international data. As a result, students analyze international processes and develop well-grounded managerial decisions.																	
26	International Business	The discipline is aimed at developing an understanding of the essence and forms of international business, its patterns, and its role in the global economy. The content covers firms' advantages, impact on economic development, and methods of risk analysis and mitigation. As a result, students evaluate international business processes and make well-grounded managerial decisions.	5															+	
27	Taxes and Taxation	The discipline is aimed at studying the principles of formation and functioning of tax systems, methods of calculating and paying taxes, and the legal basis of taxation. The content covers the tools of tax planning and administration, digitalization of tax processes in the context of Kazakh and international legislation. As a result of mastering the discipline, the student evaluates tax liabilities and uses IT solutions to automate tax processes, focusing on typical tax situations.	5				+												
28	Fundamentals of Economic and Mathematical Modeling	The discipline is aimed at developing understanding of the principles of economic and mathematical modeling and its role in decision-making. The content covers theoretical foundations of model construction and analysis, methods of forecasting, optimization, and data processing. As a result, students apply models to solve applied economic problems and justify managerial decisions.	5							+									
29	Development of Artificial Neural Networks (Minor)	The discipline is aimed at forming theoretical knowledge and practical skills in the development and application of artificial neural networks for intelligent information processing. The content covers the principles of construction and functioning of artificial neural networks, the main neural network architectures, training methods, data preparation and processing, and tools for developing neural network models. As a result of studying the	5						+						+				

		discipline, the student develops neural networks to solve problems of data processing and intelligent systems.																
30	Market Infrastructure	The discipline is aimed at developing an understanding of market infrastructure and its role in ensuring market functioning. The content covers organizations facilitating the movement of goods and services, their impact on company performance, and methods of interaction with infrastructure institutions. As a result, students analyze market infrastructure and apply its tools in practice.	5					+									+	
31	Statistics	The discipline is aimed at forming a systematic understanding of the essence, principles, and methods of statistics. The content covers methods of data collection, organization, processing, analysis, and interpretation, methods of calculation of statistical indicators, construction of tables and charts. As a result of studying the discipline, the student analyzes statistical data through the calculation of key indicators and the graphical presentation of statistical information.	5							+								
32	Insurance	The discipline is aimed at developing professional theoretical and practical knowledge in the field of insurance, necessary for working in insurance companies or for interacting with insurers as policyholders. The content covers the essence and significance of the main types of property insurance, the main types of personal insurance, medical insurance, and the main types of liability insurance. As a result, the student develops innovative solutions to improve the efficiency of insurance operations and the sustainability of the insurance company.	5											+				
33	Management Analysis	The discipline is aimed at developing a systematic understanding of the essence and analysis of business processes within organizations. The content covers methods and indicators of managerial analysis, performance evaluation, identification of efficiency reserves, and information support for decision-making. As a result, students analyze activities of various	5					+							+				

		organizations and justify managerial decisions.																
34	Finance	The discipline is aimed at forming a holistic understanding of the essence and functions of finance and the system of financial relations within the economy. The content covers the main components of the financial system, public finance, corporate finance, taxation, the budgetary system, the financial market, and the mechanisms for the formation, distribution, and use of financial resources at various levels of the economy. As a result of studying the discipline, the student interprets financial information through the analysis of financial indicators.	5				+								+			
35	Pricing	The discipline is aimed at developing an understanding of pricing theory and methods. The content covers types of prices, calculation techniques, principles of pricing policy, and modern approaches to pricing. As a result, students apply pricing tools, analyze pricing decisions, and justify effective pricing strategies.	5								+							
Cycle of basic disciplines University component/Elective component																		
36	Economic Policy	The discipline is aimed at developing knowledge of the essence, objectives, and instruments of state economic policy. The content includes theoretical foundations of economic policy, macroeconomic regulation, fiscal policy, monetary policy, mechanisms of state influence on the economy, evaluation of the effectiveness of decisions made. As a result of studying the discipline, the student analyzes and evaluates economic policy, applies instruments of state regulation, substantiates managerial decisions in the context of the modern economy.	5															+
37	Innovation Management	The discipline is aimed at developing students' abilities to analyze innovative processes and manage them effectively in a corporate environment. The content covers key aspects of innovation management, the use of modern technologies including artificial intelligence, trend	5										+					

		analysis, business process optimization, and risk assessment. As a result of studying the discipline, the student applies methods for evaluating innovative strategies to ensure the effective implementation of innovations.																
38	Economic Analysis	The discipline is aimed at developing a system of knowledge regarding methods for the comprehensive study of economic processes and organizational performance results. The content covers quantitative and qualitative analysis techniques, methodologies for studying capital productivity, labor productivity, production costs, and profitability, as well as forecasting key financial indicators under conditions of uncertainty. Upon completion of the course, the learner interprets the relationships between production factors and final business results to implement corrective measures.	5					+							+			
39	1CEnterprise	The discipline is aimed at developing an understanding of working with the 1C: Enterprise system and its role in accounting automation. The content covers fundamentals of accounting, financial and inventory management, data processing tools, reporting, and business process optimization. As a result, students apply the 1C system to improve efficiency of accounting and management.	5						+									
40	Anti-crisis Policy of the Company	The discipline is aimed at studying strategies to prevent financial insolvency and restore the viability of an organization. The content covers methods for diagnosing the likelihood of bankruptcy (Altman and Taffler models), financial recovery mechanisms, debt restructuring, personnel management in conditions of staff reduction, and legal aspects of liquidation procedures. As a result of mastering the discipline, the student systematizes indicators of crisis phenomena in order to take timely measures to stabilize the company"s activities.	5											+				
41	Business Planning and Modeling	The discipline is aimed at developing an understanding of business process planning and modeling and their role in organizational management. The content covers methods	5										+					

		of business process analysis, modeling tools, management fundamentals, economic calculations, and risk assessment. As a result, students optimize business processes considering risks.																
42	Foreign Economic Activity of Firms	The discipline is aimed at developing an understanding of the principles and practices of firms' foreign economic activity. The content covers organization of foreign trade operations, preparation and execution of transactions, pricing methods for export and import goods, and performance evaluation. As a result, students apply methods of conducting foreign trade operations and analyzing foreign economic activity.	5														+	
43	Investment Activity	The discipline is aimed at developing an understanding of investment activity and its management methods in a market economy. The content covers principles of investment policy, methods of project analysis and evaluation, and the use of digital technologies and artificial intelligence for forecasting and risk assessment. As a result, students apply modern investment analysis methods.	5								+							
44	Artificial Intelligence in The Management of Object (Minor)	The discipline is aimed at forming knowledge and skills in the application of artificial intelligence methods for the analysis, modeling, and control of technical and information objects. The content covers methods and algorithms of artificial intelligence in control systems, intelligent decision-making methods, data processing and analysis, and the application of machine learning and intelligent systems. As a result of studying the discipline, the student applies artificial intelligence technologies in object control systems.	5												+			+
45	Creative Economy	The discipline is aimed at developing an understanding of the creative economy and its role in modern industries. The content covers the relationship between economy and culture, creative industries, cultural diplomacy tools, and development of art clusters. As a result, students analyze indicators of creative industries and apply them to justify	5														+	+

		effective decisions.																
46	Organization of Small and Medium-Sized Businesses	The discipline is aimed at developing understanding of small and medium business organization and entrepreneurial competencies. The content covers stages of business creation, business planning, financing, risk and operations management, and market analysis. As a result, students assess business prospects and apply effective managerial decisions.	5										+					
47	Valuation of the Company	The discipline is aimed at forming a system of knowledge about the principles and methods of assessing and managing the value of a company. The content covers key approaches to financial analysis, cost modeling, and cash flow forecasting. As a result of mastering the discipline, the student evaluates the value of companies using profitable, comparative and costly approaches and business performance indicators.	5							+	+							
48	Planning, Rationing and Remuneration	The discipline is aimed at developing an understanding of labor organization, standardization, and remuneration at enterprises. The content covers methods of evaluating labor efficiency, identifying productivity reserves, motivation systems, and modern labor management approaches. As a result, students analyze labor processes and develop solutions for their improvement.	5							+								
49	Strategic Management	The discipline is aimed at developing students' abilities to apply theoretical knowledge and strategic thinking skills. The content includes the key concepts of strategic management, analysis of the internal and external environment of the organization, methods of strategic analysis, strategy formulation, and tools for managerial decision-making at the strategic level. As a result of studying the discipline, the student develops strategies and applies them for effective management.	5															+
50	Cost Management	The discipline is aimed at developing an understanding of the nature and management of organizational costs. The content covers cost classification, accounting principles, methods of analysis and optimization, as well as	5								+							

		budgeting and financial forecasting. As a result, students optimize costs and justify managerial decisions.																	
51	Quality Management	The discipline is aimed at developing systematic knowledge of methodologies for ensuring the competitiveness of products and services through organizational process management. The content covers the evolution of quality management concepts (TQM, Six Sigma, Lean), ISO 9000 series international standards, control and analysis tools (Ishikawa diagram, Shewhart charts, Pareto diagram), as well as audits of quality management systems. Upon completion of the course, the learner interprets standard requirements to implement mechanisms for continuous improvement of business processes.	5										+		+			
52	Project Management	The discipline focuses on developing skills for effective planning and implementation of unique tasks under resource constraints. The content covers the project lifecycle, management standards (PMBOK, PRINCE2), agile methodologies (Scrum, Kanban), network and schedule planning (Gantt chart), team management, and project budgeting. Upon completion of the course, the learner structures the stages of project initiatives to achieve goals within specified timeframes and resources.	5									+	+					
53	Managerial Economics	The discipline is aimed at developing an understanding of applying economic methods in firm management under modern conditions. The content covers key concepts of managerial economics, methods of analyzing demand, costs and profit, evaluation of alternatives, and tools for improving efficiency. As a result, students apply economic methods to justify managerial decisions.	5					+					+						
54	Securities and Exchange Business	The discipline is aimed at developing an understanding of the securities market and its functioning. The content covers classification of financial instruments, organization of exchange operations, features of stock markets in different countries, and development trends. As a result, students analyze the structure and key segments of the	5								+				+				

		securities market.																
55	Digital Economy	The discipline is aimed at developing knowledge of the digitalization of society and competencies for managing digital processes. The content includes theoretical concepts of the digital society, key aspects of digital transformation, state regulation, consequences of the globalization of the information society, and methods for managing digital projects. As a result of studying the discipline, the student applies a systematic approach to effectively manage using digital technologies.	5						+									
56	The Economy of the Agro-Industrial Complex	The discipline is aimed at developing an understanding of the economy of the agro-industrial complex and the functioning of its enterprises in market conditions. The content covers the basics of agricultural enterprises, development of the AIC, and methods for calculating economic indicators. As a result, students analyze economic indicators and justify proposals to improve enterprise efficiency.	5									+						
57	Economy of the City	The discipline is aimed at developing an understanding of urban economics and its role in business and societal development. The content covers functions and spatial structure of cities, development of tertiary and quaternary sectors, Smart city fundamentals, and features of urban agglomerations. As a result, students analyze urban processes and assess their development directions.	5									+						
58	Industrial Economics	The discipline is aimed at developing students' knowledge of the structure and functioning features of industrial enterprises in various economic sectors. The content covers modern methods for calculating economic indicators of production processes, analyzing industrial operations, and developing management strategies. As a result of studying the discipline, the student applies effective management methods to increase productivity and optimize the resources of industrial enterprises.	5									+						
59	Economics of Regional	The discipline is aimed at developing an understanding of regional development and territorial organization of the	5									+					+	

	Development	economy. The content covers distribution of productive forces, regional development factors, population settlement patterns in Kazakhstan, and areas with special conditions. As a result, students analyze regional conditions and assess development prospects.																
60	Labor Market Economics	The discipline is aimed at developing an understanding of labor market functioning and its role in the economy. The content covers labor supply and demand, employment and unemployment, workforce quality and mobility, and analysis of the labor market of Kazakhstan. As a result, students analyze labor market processes and develop employment measures.	5					+										
61	Social Economy	The discipline is aimed at developing an understanding of the functioning and development of the social sector economy. The content covers analysis of socio-economic processes, mechanisms of management, financing and planning, development priorities, and evaluation of social policy effectiveness. As a result, students analyze social sector processes and justify decisions to improve sustainability and performance.	5									+						
62	Economics of Technology and Innovation	The discipline is aimed at developing an understanding of the economics of technology and innovation and their role in business development. The content covers implementation of modern technologies, innovation business models, product development methods, technology readiness assessment, transfer and commercialization, and the use of artificial intelligence. As a result, students analyze innovation processes and optimize solutions.	5								+							+
63	Economic Security	The discipline is aimed at developing an understanding of economic security and its mechanisms. The content covers analysis of threats and risks at organizational and state levels, tools for assessing stability, and features of economic policy. As a result, students analyze economic security factors and develop measures to ensure it.	5											+				
64	Economic Risks at	The discipline is aimed at developing an understanding of	5											+				

	Enterprises	economic risks at enterprises and methods of their management. The content covers risk classification, sources and factors, methods of identification, assessment and analysis, and tools for risk mitigation. As a result, students analyze economic risks and justify measures for their reduction.																	
65	E-Government	The discipline is aimed at forming knowledge about the principles of functioning of e-government and its role in the system of public policy. The content includes the main concepts, the regulatory and legal framework of e-government in the Republic of Kazakhstan, identification tools, public service portals, and technologies for the functioning of e-government. As a result of studying the discipline, the student applies e-government technologies to improve the efficiency of public processes and interaction with citizens.	5						+										

8 Alignment of planned learning outcomes with assessment technologies and teaching methods within the module

Learning Outcomes (LO) Number	Planned learning outcomes for the module	Assessment technologies (tools)	Methods of learning and teaching
LO1	Demonstrates systemic knowledge and practical skills for solving typical professional tasks using economic, legal, and financial tools within the framework of legislation.	Testing, case tasks, control works (tests), situational tasks, oral examination, short projects, written assignments, peer review of solutions, presentations, independent work, business and role-playing games, discussions, project-based activities.	Test questions, case analysis, minor project defense, solving situational tasks, brainstorming, written assignments on legal or financial topics, presentation of typical professional solutions, practical classes with legal and financial documents, modeling of typical situations, small group work, problem-based learning, analysis of professional situations, seminar-discussions, project-based learning.
LO 2	Possesses systemic theoretical knowledge and analytical skills in the field of economic science, and is capable of applying scientific approaches and economic tools to justify	Testing, control works (tests), oral examination, practical assignments, economic case tasks, essay/report writing, independent work.	Lecture-discussions, analysis of theoretical cases (case studies), solving economic problems, problem-based learning, individual minor research, seminars, working with scientific

	decisions.		literature.
LO3	Uses modern digital technologies, automation systems, and artificial intelligence tools for collecting, processing, and analyzing information in professional activities.	Practical assignments in the IT environment, testing on digital platforms, digital project defense, electronic portfolio evaluation, interactive quizzes on IT tools, laboratory reports, project-based activities, control works (tests).	Practical classes with digital tools, working with AI platforms (ChatGPT, analytical bots), business process modeling with IT solutions, performing tasks in 1C/Excel, flipped classroom method, digital literacy trainings, digital project defense, presenting solutions using AI/automation.
LO4	Possesses knowledge in the field of statistics, finance, and accounting, and is capable of independently applying quantitative methods to analyze and justify economic decisions.	Control and practical works with calculations, case tasks, testing, checking spreadsheets with calculations and conclusions, oral examination on methodology, writing brief analytical reports, interactive tasks.	Solving calculation and analytical problems, case method with financial and statistical data, tests with analytical tasks, practical classes with primary and secondary financial/accounting documentation, modeling of economic situations.
LO5	Demonstrates skills in calculating costs and revenues, analyzing the efficiency of insurance, leasing, and investment projects, as well as applying stock market tools.	Investment project defense, execution of cases, practical calculation tasks by variants, testing, control works (tests), analytical reports.	Calculation of investment indicators (NPV, IRR, PI, etc.), working with stock exchange simulators and online stock market platforms, analysis of real financial statements and ready-made business plans, group presentations of projects.
LO6	Analyzes economic indicators of industries, the state of the labor market, employment and unemployment factors to assess the growth potential of economic sectors.	Writing an industry analytical report, project-based activities, testing, control works (tests), practical tasks in Excel, data visualization (charts, tables), presentation of results.	Analysis of macroeconomic and industry statistical data, working with open databases (Bureau of National Statistics, etc.), case method on the labor market, minor research projects, discussions.
LO7	Demonstrates the ability to independently develop economic sections of business plans and plan financial, economic, and production activities.	Business plan sections defense, calculation tasks on production activity, group project presentations, portfolio, oral review of typical mistakes, peer evaluation.	Development of real or educational business plans, evaluation of profitability and payback periods, business games, budgeting trainings, brainstorming, expert evaluation of ideas.
LO8	Formulates theoretical knowledge and skills of management, internal process optimization, and managerial analysis to minimize risks and make effective decisions.	Testing, control works (tests), situational case tasks, business and role-playing games, oral examination, essays/reports, calculation and analytical tasks, colloquiums.	Lectures with elements of problem-based learning, management project defense, business process modeling, small group work with role distribution, process optimization based on cases, brainstorming.
LO9	Demonstrates skills in applying methods of financial and economic statements analysis, company valuation, and tax accounting monitoring.	Testing, control works (tests), calculation-graphical tasks, financial statements analysis, solving cases, oral examination, performing tasks in Excel, minor research,	Tests with calculation elements, solving calculation problems, project defense, case method, practical classes using Excel or specialized software, financial indicators

		business games, independent work with interpretation of indicators.	modeling, working with real statements, situation analysis, group projects, problem-based learning, interactive seminars.
LO10	Is capable of assessing factors of sustainable development of cities and regions, understanding institutional systems and risks, taking into account the provision of economic security.	Project-based activities, analytical essays, comparative analysis of countries/regions, testing, case analysis, presentations, discussions.	Analysis of state and regional sustainable development strategies, working with geographical and socio-economic databases, modeling regional security systems, group risk analysis.
LO11	Demonstrates skills in using effective methods of conducting international business, taking into account the current market conjuncture.	International project defense, testing, control works (tests), international business case analysis, minor research, essays, calculation-graphical works.	Studying global economy trends, SWOT analysis of international companies, working with foreign economic statistics and customs reports, modeling international business environment, group sessions.
LO12	Is able to develop specific forecasts and strategies for the optimal development of the organization, taking into account marketing aspects, anti-crisis measures, and strategic management.	Strategy/minor project defense, calculation and analytical tasks, presentations, testing, control works (tests), case tasks, business games.	Strategic planning, application of SWOT and PEST analysis, risk forecasting, brainstorming, modeling of managerial decisions in crisis conditions, working with market information.
GEC1	Applies the basic patterns of the history of Kazakhstan, philosophy, and socio-political knowledge for effective socialization and adaptation, forming a personality capable of critical thinking and physical self-improvement.	Essay/report writing, colloquiums, testing, presentations, critical reviews, cross-disciplinary case analysis, round tables, physical standards evaluation.	Working with historical and philosophical primary sources, project method, free discussions (debates, polemics), analysis of socio-cultural situations, problem-based lectures, physical culture practical classes.
GEC2	Capable of interpersonal social and professional communication in Kazakh, Russian, and foreign languages.	Oral interviews, presentations in foreign languages, role-playing games, written assignments (letters, CVs, essays), grammar and vocabulary testing, listening with subsequent retelling, situational tasks, multilingual project execution, written translation.	Defense of presentations in different languages, dialogic and polylogic exercises, debates, "mixed pairs" method (communication in different languages), interactive interviews and negotiations, storytelling method, co-creation of presentations, text analysis and translation.
GEC3	Possesses various types of information and communication technologies for searching, storing, processing, protecting, and disseminating information.	Execution of practical tasks, testing, digital portfolio evaluation, verifying information search and source credibility assessment skills, interactive quizzes.	Practical classes with ICT tools, working with cloud storage and office applications, learning through video instructions, digital risks and cybersecurity analysis, trainings.

9 Correlation of learning outcomes of the educational program with the labor functions of professional standards (if any)

Name of the professional standards used	Professions at level 6 of the SQF	Labor functions	Tasks	Learning outcomes for the educational program
«Labor Relations Management» December 05, 2024, No. 449	Labor Relations Specialist	Labor function 1: Implementation of the social and labor relations management system	Skill 1: Analysis of the practice of implementing the social and labor relations management system	LO2. Analyzes the impact of internal and external factors on organizational performance using economic analysis and data-driven methods, considering labor relations and labor market requirements.
			Skill 2: Ensuring compliance with accepted obligations under employment contracts, collective agreements, and other agreements regulating mutual relations Skill 3: Improvement of social and labor relations management procedures	LO9. Performs analysis, monitoring, and coordination of organizational activities using modern analytical and management tools aimed at improving efficiency and organizational development.
		Labor Function 2: Ensuring social stability	Skill 1: Monitoring the state of social and labor relations	LO8. Assesses risks and threats to economic activity, including social and labor aspects, and develops measures to ensure sustainability and social stability of the organization.
			Skill 2: Regulation, prevention, and prophylaxis of labor disputes and HR risks. Prophylaxis and minimization of HR risks	LO10. Evaluates the impact of sustainable development factors, environmental and economic risks on ensuring economic security.
Personal competency requirements:			Collaboration and Teamwork; Analytical Thinking; Negotiation Skills; Customer Orientation; Leadership; Results Orientation	
«Organizational Development and Planning of	Human Resources Specialist	Labor function 1: Implementation of the target	Skill 1: Analysis of labor organization and participation in the project	LO7. Develops business plans and economic sections of organizational activities, ensuring efficient use of resources and considering organizational structure.

the Organization's Labor Resources» December 05, 2024, No. 449		organizational structure	of constructing/changing the organizational structure	
			Skill 2: Formation of interaction between elements of the organizational structure	
		Labor function 2: Determining the organization's need for human resources	Skill 1: Analysis of the organization's current provision of human resources	LO4. Applies economic and statistical data analysis methods to support managerial decision-making and organizational planning, taking into account human resource needs.
			Skill 2: Determining the organization's current need for human resources	LO9. Performs analysis, monitoring, and coordination of organizational activities using modern analytical and management tools aimed at improving efficiency and organizational development.
Personal competency requirements:			Business Acumen; Collaboration and Teamwork; Analytical Thinking; Customer Orientation; Results Orientation	

10 Graduate model

<table>
<tr><th colspan="4">GRADUATE MODEL</th></tr>
<tr><td rowspan="4">Professional standard : «Labor Relations Management» December 05, 2024, No. 449, ««Organizational Development and Planning of the Organization's Human Resources» December 05, 2024, No. 449. Sectoral and Regional Atlas of Professions and Competencies: «Enterprise Management Efficiency Manager»; «Mining Enterprise Economist».</td><td colspan="3">Competencies (soft skills, digital skills)</td></tr>
<tr><td>Attributes of a graduate</td><td>knowledge</td><td>Skills</td></tr>
<tr><td>- Analyzes the socio-labor indicators of the organization and justifies personnel decisions;
- Participates in projects on organizational development and human resource planning;
- Effectively presents professional information, possesses a strong command of HR terminology and ethical norms;
- Applies ICT and specialized HR systems for data management and presentations.</td><td>- Labor law, regulatory acts on remuneration, and occupational health and safety;
- Methods of labor economics, labor rationing, and staff headcount calculation;
- Principles of planning, budgeting, and controlling personnel costs (payroll/labor cost fund);
- Procedures for maintaining HR records management and personnel documentation;
- Fundamentals of project management in the HR field.</td><td>- Calculate labor efficiency indicators (productivity, turnover rate, labor intensity);
- Develop draft local regulatory acts (Internal Labor Regulations, compensation and benefits policies);
- Generate tables, charts, analytical reports, and presentations on personnel;
- Determine short-term and long-term needs for human resources.</td></tr>
<tr><td colspan="3">Professional skills (hard skills)</td></tr>
<tr><td colspan="3">- Calculation of payroll (labor cost fund), personnel costs, KPIs, and motivation systems;
- Collection, processing, and statistical analysis of HR data (HR metrics);
-Modeling organizational structures, staffing tables, and job descriptions;
- Application of planning tools (SWOT, SMART) for resource management;
- Advanced proficiency in Excel (pivot tables, complex formulas) and PowerPoint;
- Work in specialized software (1C: HR and Payroll Management / 1C: Enterprise);
- Preparation of HR documentation, analytical memos, and briefs on labor relations.</td></tr>
</table>

ТИПТІК ОҚУ ЖОСПАРЫ / ТИПИЧНЫЙ УЧЕБНЫЙ ПЛАН /TYPICAL CURRICULUM

6B04110 - Экономика 6B04110 - Экономика 6B04110 - Economy

Модульдің № / № модуля / Module №	Пәндердің № / № дисциплины / Discipline №	ОҚУ ПӘНДЕРІНІҢ АТАУЫ НАИМЕНОВАНИЕ УЧЕБНЫХ ДИСЦИПЛИН NAME OF TEACHING DISCIPLINES	Оқу пәндерінің циклы (міндетті компонент / таңдау компоненті) Цикл учебных дисциплин (обязательный компонент / компонент по выбору) Educational disciplines cycle (compulsory component / component of choice)	Оқу пәндерінің коды Код учебной дисциплины Educational discipline code	Семестр / semester	Кредиттер саны Количество кредитов Number of credits	Курстық жұмыс (жоба) Курсовая работа (проект) Course work (project)	Білім алушылардың жұмыс уақытының бюджеті сағатпен Бюджет рабочего времени (час) Budget of working time (hours)							Кафедра атауы / Наименование кафедры / Name of the department	Семестр бойынша бөлу Распределение по семестрам Distribution of semesters						Пән бойынша қорытынды бағалау (емтихан, дифференциалды сынақ, мемлекеттік емтихан, жоба және т.б.) / Форма итогового контроля по дисциплине (экзамен, дифференцированный зачет, государственный экзамен, проект и др.) / Final assessment form for the discipline (exam, differentiated credit, state exam, project, etc.)	Пән бойынша қорытынды бағалаудың форматы (ауызша, жазбаша, тестілік, шығармашылық және т.б.) / Форма проведения итогового контроля по дисциплине (устно, письменно, тест, творческий и т. д.) / The format of the final assessment for the discipline (orally, in writing, test, creative, etc.)
								Барлық сағат / Всего часов / Total hours	Аудиториялық жұмыс / Аудиторная работа / Class work				ОБӨЖ / СРОП / IWST	БАӨЖ / СРО / IWS		1 КУРС / YEAR		2 КУРС / YEAR		3 КУРС / YEAR			
									Барлық аудит. сағат Всего аудит. часов Total classroom hours	оның ішінде / в том числе / including						1 Академиялық кезең / Academic period	2 Академиялық кезең / Academic period	3 Академиялық кезең / Academic period	4 Академиялық кезең / Academic period	5 Академиялық кезең / Academic period	6 Академиялық кезең / Academic period		
										Д / ЛК / Lec	СПС / СПЗ / SPL	ЛС / ЛЗ / LC				Семестрдағы апталар саны / Недель в семестре / Weeks in a semester							
																15	15	15	15	15	15		
																аптасына аудиториялық сағат / аудиторных часов в неделю / classroom							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
		/ /																					
	1	Қазақ (Орыс) тілі Казахский (Русский) язык Kazakh (Russian) Language	ЖБП (МК) ООД (ОК) GED (CS)	K(R)Ya 1105-26 (1) K(R)Ya 1105-26 (1) K(R)Ya 1105-26 (1)	1	5		150	45		45		15	90	Барлық кафедралар Все кафедры All chairs	0 + 3 + 0						Емтихан Экзамен Examination	Басқа Другое More
	2	Шетел тілі Иностранный язык Foreign Language	ЖБП (МК) ООД (ОК) GED (CS)	IYa 1104-26 (1) IYa 1104-26 (1) IYa 1104-26 (1)	1	5		150	45		45		15	90	Барлық кафедралар Все кафедры All chairs	0 + 3 + 0						Емтихан Экзамен Examination	Басқа Другое More
	3	Ақпараттық-коммуникациялық технологиялар Информационно-коммуникационные технологии Information and Communication Technologies	ЖБП (МК) ООД (ОК) GED (CS)	IKT 1106-26 IKT 1106-26 IKT 1106-26	1	5		150	45	15		30	15	90	Барлық кафедралар Все кафедры All chairs	1 + 0 + 2						Емтихан Экзамен Examination	Басқа Другое More
	4	Дене шынықтыру Физическая культура Physical Culture	ЖБП (МК) ООД (ОК) GED (CS)	DSh-1107 (1) Fiz-1107 (1) PhT-1107 (1)	1	2		60	30		30			30	Жеңіл өнеркәсіп технологиясы және Дизайн Технологии	0 + 2 + 0						Дифференциалдық сынақ Дифференцированный	Басқа Другое More
	5	Қазақстан тарихы История Казахстана History of Kazakhstan	ЖБП (МК) ООД (ОК) GED (CS)	IK 1101-26 IK 1101-26 IK 1101-26	2	5		150	45	30	15		15	90	Барлық кафедралар Все кафедры All chairs		2 + 1 + 0					Емтихан Экзамен Examination	Басқа Другое More
	6	Экономика, кәсіпкерлік, құқық және қаржылық сауаттылық модулі (экономика және кәсіпкерліктің негіздері, құқық негіздері және сыбайлас жемқорлыққа қарсы мәдениет.	ЖБП (ЖК) ООД (ВК) GED (EC)	MEPPFG 1101-26 MEPPFG 1101-26 MEPPFG 1101-26	2	5		150	45	30	15		15	90	Барлық кафедралар Все кафедры		2 + 1 + 0					Емтихан Экзамен Examination	Басқа Другое More
	7	Қазақ (Орыс) тілі Казахский (Русский) язык Kazakh (Russian) Language	ЖБП (МК) ООД (ОК) GED (CS)	K(R)Ya 1105-26 (2) K(R)Ya 1105-26 (2) K(R)Ya 1105-26 (2)	2	5		150	45		45		15	90	Барлық кафедралар Все кафедры All chairs		0 + 3 + 0					Емтихан Экзамен Examination	Басқа Другое More
	8	Шетел тілі Иностранный язык Foreign Language	ЖБП (МК) ООД (ОК) GED (CS)	IYa 1104-26 (2) IYa 1104-26 (2) IYa 1104-26 (2)	2	5		150	45		45		15	90	Барлық кафедралар Все кафедры All chairs		0 + 3 + 0					Емтихан Экзамен Examination	Басқа Другое More
	9	Дене шынықтыру Физическая культура Physical Culture	ЖБП (МК) ООД (ОК) GED (CS)	DSh-1107 (2) Fiz-1107 (2) PhT-1107 (2)	2	2		60	30		30			30	Жеңіл өнеркәсіп технологиясы және Дизайн Технологии		0 + 2 + 0					Дифференциалдық сынақ Дифференцированный	Басқа Другое More
	10	Философия Философия Philosophy	ЖБП (МК) ООД (ОК) GED (CS)	Fil 2102-26 Fil 2102-26 Fil 2102-26	3	5		150	45	30	15		15	90	Әлеуметтік-гуманитарлық пәндер Социально-			2 + 1 + 0				Емтихан Экзамен Examination	Басқа Другое More
	11	Әлеуметтік-саясаттану білім модулі (әлеуметтану, саясаттану, мәдениеттану, психология) Модуль социально-политических знаний (политология, социология, культурология, психология) Module of Socio-Political Knowledge (Political Science, Sociology, Cultural Studies, Psychology)	ЖБП (МК) ООД (ОК) GED (CS)	MSPZ 2103-26 MSPZ 2103-26 MSPZ 2103-26	3	8		240	120	60	60		24	96	Барлық кафедралар Все кафедры All chairs			4 + 4 + 0				Емтихан Экзамен Examination	Басқа Другое More

Модуль / Module № 1	12	Дене шынықтыру Физическая культура Physical Culture	ЖБП (МК) ООД (ОК) GED (CS)	DSh-1107 (3) Fiz-1107 (3) PhT-1107 (3)	3	2		60	30		30			30	Жеңіл өнеркәсіп технологиясы және Дизайн Технология			0 + 2 + 0				Дифференциалдық сынақ Дифференцированный зачет	Басқа Другое More
	13	Дене шынықтыру Физическая культура Physical Culture	ЖБП (МК) ООД (ОК) GED (CS)	DSh-1107 (4) Fiz-1107 (4) PhT-1107 (4)	4	2		60	30		30			30	Жеңіл өнеркәсіп технологиясы және Дизайн Технология				0 + 2 + 0			Дифференциалдық сынақ Дифференцированный зачет	Басқа Другое More
	14	Микроэкономика Микроэкономика Microeconomics	БП (ЖК) БД (ВК) BD (EC)	Mik 1201-26 Mik 1201-26 Mik 1201-26	1	5		150	45	30	15		15	90	Барлық кафедралар Все кафедры All chairs	2 + 1 + 0						Емтихан Экзамен Examination	Басқа Другое More
	15	Экономикалық теория Экономическая теория Economic Theory	БП (ЖК) БД (ВК) BD (EC)	ET 1203-26 ET 1203-26 ET 1203-26	1	4		120	45	30	15		3	72	Барлық кафедралар Все кафедры All chairs	2 + 1 + 0						Емтихан Экзамен Examination	Басқа Другое More
	16	Экономикадағы математика Математика в экономике Mathematics in Economics	БП (ЖК) БД (ВК) BD (EC)	ME 1204-26 ME 1204-26 ME 1204-26	1	4		120	45	15	30		3	72	Барлық кафедралар Все кафедры All chairs	1 + 2 + 0						Емтихан Экзамен Examination	Басқа Другое More
	17	Менеджмент Менеджмент Management	БП (ЖК) БД (ВК) BD (EC)	Men 1205-26 Men 1205-26 Men 1205-26	1	5		150	45	30	15		15	90	Барлық кафедралар Все кафедры All chairs	2 + 1 + 0						Емтихан Экзамен Examination	Басқа Другое More
	18	Мамандыққа кіріспе (Экономика) Введение в специальность (Экономика) Introduction to the Specialty (Economics)	БП (ЖК) БД (ВК) BD (EC)	VS (Ec) 1202-26 VS (Ec) 1202-26 VS (Ec) 1202-26	2	3		90	30	15	15		6	54	Экономика және басқару Экономика и управление		1 + 1 + 0					Емтихан Экзамен Examination	Басқа Другое More
	19	Макроэкономика Макроэкономика Macroeconomics	БП (ЖК) БД (ВК) BD (EC)	Mak 1206-26 Mak 1206-26 Mak 1206-26	2	5		150	45	30	15		15	90	Барлық кафедралар Все кафедры All chairs		2 + 1 + 0					Емтихан Экзамен Examination	Басқа Другое More
	20	AI-маркетинг AI-маркетинг AI Marketing	БП (ЖК) БД (ВК) BD (EC)	AI-mar 2208-26. AI-mar 2208-26. AI-mar 2208-26.	3	6		180	60	30	30		12	108	Экономика және басқару Экономика и управление			2 + 2 + 0				Емтихан Экзамен Examination	Басқа Другое More
	21	Экономика мен басқарудағы ғылыми зерттеулердің негіздері Основы научных исследований в экономике и управлении Fundamentals of Scientific Research in Economics and Management	БП (ЖК) БД (ВК) BD (EC)	ONIEU 2209-26 ONIEU 2209-26 ONIEU 2209-26	3	3		90	30	15	15		6	54	Экономика және басқару Экономика и управление Economics and management			1 + 1 + 0				Емтихан Экзамен Examination	Басқа Другое More
	22	Кәсіпорын экономикасы Экономика предприятия Enterprise Economics	БП (ЖК) БД (ВК) BD (EC)	EP 2210-26 EP 2210-26 EP 2210-26	3	6		180	60	30	30		12	108	Барлық кафедралар Все кафедры All chairs			2 + 2 + 0				Емтихан Экзамен Examination	Басқа Другое More
	23	Тұрақты даму, экология және тіршілік қауіпсіздігі Устойчивое развитие, экология и безопасность жизнедеятельности Sustainable Development, Ecology, and Life Safety	БП (ЖК) БД (ВК) BD (EC)	UREBZh 3207-26 UREBZh 3207-26 UREBZh 3207-26	6	5		150	45	30	15		15	90	Барлық кафедралар Все кафедры All chairs						2 + 1 + 0	Емтихан Экзамен Examination	Басқа Другое More
	24	Өндірістік практика 1 Производственная практика 1 Industrial practice 1	БеП (ЖК) ПД (ВК) PD (EC)	PP 1 26 (Ec) PP 1 26 (Ec) PP 1 26 (Ec)	2	5		150	0						Экономика және басқару Экономика и управление		5 апта / недель / weeks					Практика бойынша қорытынды баға Итоговая оценка по практике	Басқа Другое More
	25	Инновациялық менеджмент Инновационный менеджмент Innovation Management	БеП (ЖК) ПД (ВК) PD (EC)	IMen 2301-26 IMen 2301-26 IMen 2301-26	4	5		150	45	30	15		15	90	Экономика және басқару Экономика и управление				2 + 1 + 0			Емтихан Экзамен Examination	Басқа Другое More
	26	Экономикалық талдау Экономический анализ Economic Analysis	БеП (ЖК) ПД (ВК) PD (EC)	EA 2302-26 EA 2302-26 EA 2302-26	4	5		150	45	15	30		15	90	Барлық кафедралар Все кафедры All chairs				1 + 2 + 0			Емтихан Экзамен Examination	Басқа Другое More
	27	Өндірістік практика 2 Производственная практика 2 Industrial practice 2	БеП (ЖК) ПД (ВК) PD (EC)	PP 2 26 (Ec) PP 2 26 (Ec) PP 2 26 (Ec)	4	5		150	0						Экономика және басқару Экономика и управление				5 апта / недель / weeks			Практика бойынша қорытынды баға Итоговая оценка по практике	Басқа Другое More
	28	Диплом алдындағы практика/ Өндірістік практика Преддипломная практика/Производственная практика Pre-graduate practice/ Industrial practice	БеП (ЖК) ПД (ВК) PD (EC)	PDP/PP 26 (Ec) PDP/PP 26 (Ec) PDP/PP 26 (Ec)	6	7		210	0						Экономика және басқару Экономика и управление Economics and						7 апта / недель / weeks	Практика бойынша қорытынды баға Итоговая оценка по практике Total mark on practice	Басқа Другое More
Барлығы модуль бойынша / Итого по модулю / Total for module						129		3870	1140	465	645	30	276	1944										
						/ /																		
Модуль / Module № 2	1	Баға беру Ценообразование Pricing	БП (ТК) БД (КВ) BD (UC)	Co 1206-26 Co 1206-26 Co 1206-26	1	5		150	45	30	15		15	90	Экономика және басқару Экономика и управление Economics and management	2 + 1 + 0						Емтихан Экзамен Examination	Басқа Другое More
	2	Басқарушылық талдау Управленческий анализ Management Analysis		UA 1206-26 UA 1206-26 UA 1206-26																				
Барлығы модуль бойынша / Итого по модулю / Total for module						5		150	45	30	15	0	15	90										
						/ /																		

Модуль / Module № 3	1	Экономикалық-математикалық модельдеу негіздері Основы экономико-математического моделирования Fundamentals of Economic and Mathematical Modeling	БП (ТК) БД (КВ) BD (UC)	OEMM 1201-26 OEMM 1201-26 OEMM 1201-26	2	5		150	45	15	30		15	90	Экономика және басқару Экономика и управление Economics and management		1 + 2 + 0					Емтихан Экзамен Examination	Басқа Другое More
	2	Статистика Статистика Statistics		St 1201-26 St 1201-26 St 1201-26																			
Барлығы модуль бойынша / Итого по модулю / Total for module						**5**		**150**	**45**	**15**	**30**	**0**	**15**	**90**									
						/ /																	
Модуль / Module № 4	1	Қаржы Финансы Finance	БП (ТК) БД (КВ) BD (UC)	Fin 2202-26 Fin 2202-26 Fin 2202-26	3	5		150	45	30	15		15	90	Қаржы және есеп Финансы и учёт Finance and accounting			2 + 1 + 0				Емтихан Экзамен Examination	Басқа Другое More
	2	Лизинг Лизинг Leasing		Lz 2202-26 Lz 2202-26 Lz 2202-26																			
Барлығы модуль бойынша / Итого по модулю / Total for module						**5**		**150**	**45**	**30**	**15**	**0**	**15**	**90**									
						/ /																	
Модуль / Module № 5	1	Бухгалтерлік есеп Бухгалтерский учет Accounting	БП (ТК) БД (КВ) BD (UC)	BU 2204-26 BU 2204-26 BU 2204-26	3	5		150	45	30	15		15	90	Қаржы және есеп Финансы и учёт Finance and accounting			2 + 1 + 0				Емтихан Экзамен Examination	Басқа Другое More
	2	Сақтандыру Страхование Insurance		Str 2204 - 26 Str 2204 - 26 Str 2204 - 26																			
	3	Жасанды интеллектке кіріспе (Minor) Введение в Искусственный интеллект (Minor) Introduction to Artificial Intelligence (Minor)		VII 2204-26 VII 2204-26 VII 2204-26																			
Барлығы модуль бойынша / Итого по модулю / Total for module						**5**		**150**	**45**	**30**	**15**	**0**	**15**	**90**									
						/ /																	
Модуль / Module № 6	1	Экономиканы мемлекеттік реттеу Государственное регулирование экономики State Regulation of Economy	БП (ТК) БД (КВ) BD (UC)	GRE 2203-26 GRE 2203-26 GRE 2203-26	4	5		150	45	30	15		15	90	Экономика және басқару Экономика и управление Economics and management				2 + 1 + 0			Емтихан Экзамен Examination	Басқа Другое More
	2	Экономикалық саясат Экономическая политика Economic Policy		EP 2203-26 EP 2203-26 EP 2203-26																			
Барлығы модуль бойынша / Итого по модулю / Total for module						**5**		**150**	**45**	**30**	**15**	**0**	**15**	**90**									
						/ /																	
Модуль / Module № 7	1	Халықаралық экономика Международная экономика International Economics	БП (ТК) БД (КВ) BD (UC)	ME 2205-26 ME 2205-26 ME 2205-26	4	4		120	45	30	15		3	72	Экономика және басқару Экономика и управление Economics and management				2 + 1 + 0			Емтихан Экзамен Examination	Басқа Другое More
	2	Халықаралық бизнес Международный бизнес International Business		MB 2205-26 MB 2205-26 MB 2205-26																			
Барлығы модуль бойынша / Итого по модулю / Total for module						**4**		**120**	**45**	**30**	**15**	**0**	**3**	**72**									
						/ /																	
Модуль / Module № 8	1	Салық және салық салу Налоги и налогообложение Taxes and Taxation	БП (ТК) БД (КВ) BD (UC)	NiN 2208-26 NiN 2208-26 NiN 2208-26	4	5		150	45	30	15		15	90	Барлық кафедралар Все кафедры All chairs				2 + 1 + 0			Емтихан Экзамен Examination	Басқа Другое More
	2	Институционалдық экономика Институциональная экономика Institutional Economics		IE 2208-26 IE 2208-26 IE 2208-26																			
Барлығы модуль бойынша / Итого по модулю / Total for module						**5**		**150**	**45**	**30**	**15**	**0**	**15**	**90**									
						/ /																	
Модуль / Module № 9	1	Жасанды нейрондық желілерді әзірлеу (Minor) Разработка искусственных нейронных сетей (Minor) Development of Artificial Neural Networks (Minor)	БП (ТК) БД (КВ) BD (UC)	RINS 2207-26 RINS 2207-26 RINS 2207-26	4	5		150	45	30	15		15	90	Барлық кафедралар Все кафедры All chairs				2 + 1 + 0			Емтихан Экзамен Examination	Басқа Другое More
	2	Нарықтық инфрақұрылым Рыночная инфраструктура Market Infrastructure		RI 2207-26 RI 2207-26 RI 2207-26																			
	3	Логистика Логистика Logistics		Log 2207-26 Log 2207-26 Log 2207-26																			

Барлығы модуль бойынша / Итого по модулю / Total for module					**5**		**150**	**45**	**30**	**15**	**0**	**15**	**90**											
Модуль / Module № 10																								
	1	Сапаны басқару Управление качеством Quality Management	БеП (ТК) ПД (КВ) PD (UC)	UK 2303-26 UK 2303-26 UK 2303-26	4	4		120	45	15		30	3	72	Экономика және басқару Экономика и управление Economics and management				1 + 0 + 2			Емтихан Экзамен Examination	Басқа Другое More
	2	1С кәсіпорын 1С Предприятие 1CEnterprise		1CP 2303-26 1CP 2303-26 1CP 2303-26																				
Барлығы модуль бойынша / Итого по модулю / Total for module					**4**		**120**	**45**	**15**	**0**	**30**	**3**	**72**											
Модуль / Module № 11																								
	1	Шағын және орта бизнесті ұйымдастыру Организация малого и среднего бизнеса Organization of Small and Medium-Sized Businesses	БеП (ТК) ПД (КВ) PD (UC)	OMSB 3301-26 OMSB 3301-26 OMSB 3301-26	5	5		150	45	30	15		15	90	Экономика және басқару Экономика и управление Economics and management				2 + 1 + 0			Емтихан Экзамен Examination	Басқа Другое More
	2	Бизнесті жоспарлау және модельдеу Бизнес-планирование и моделирование Business Planning and Modeling		BPM 3301-26 BPM 3301-26 BPM 3301-26																				
	3	Объектілерді басқарудағы жасанды интеллект (Minor) Искусственный интеллект в управлении объектами (Minor) Artificial Intelligence in Object Management (Minor)		IIUO 3301-26 (Minor 3) IIUO 3301-26 (Minor 3) IIUO 3301-26 (Minor 3)																				
Барлығы модуль бойынша / Итого по модулю / Total for module					**5**		**150**	**45**	**30**	**15**	**0**	**15**	**90**											
Модуль / Module № 12																								
	1	Электрондық үкімет Электронное правительство E-Government	БеП (ТК) ПД (КВ) PD (UC)	EP 3302-26 EP 3302-26 EP 3302-26	5	5		150	45	30	15		15	90	Экономика және басқару Экономика и управление Economics and management				2 + 1 + 0			Емтихан Экзамен Examination	Басқа Другое More
	2	Сандық экономика Цифровая экономика Digital Economy		TsE 3302-26 TsE 3302-26 TsE 3302-26																				
Барлығы модуль бойынша / Итого по модулю / Total for module					**5**		**150**	**45**	**30**	**15**	**0**	**15**	**90**											
Модуль / Module № 13																								
	1	Өңірлік даму экономикасы Экономика регионального развития Economics of Regional Development	БеП (ТК) ПД (КВ) PD (UC)	ERR 3307-26 ERR 3307-26 ERR 3307-26	5	5		150	45	30	15		15	90	Экономика және басқару Экономика и управление Economics and management				2 + 1 + 0			Емтихан Экзамен Examination	Басқа Другое More
	2	Қала экономикасы Экономика города Economy of the City		EG 3307-26 EG 3307-26 EG 3307-26																				
Барлығы модуль бойынша / Итого по модулю / Total for module					**5**		**150**	**45**	**30**	**15**	**0**	**15**	**90**											
Модуль / Module № 14																								
	1	Стратегиялық менеджмент Стратегический менеджмент Strategic Management	БеП (ТК) ПД (КВ) PD (UC)	SM 3308-26 SM 3308-26 SM 3308-26	5	5		150	45	30	15		15	90	Экономика және басқару Экономика и управление Economics and management				2 + 1 + 0			Емтихан Экзамен Examination	Басқа Другое More
	2	Инвестициялық қызмет Инвестиционная деятельность Investment Activity		ID 3308-26 ID 3308-26 ID 3308-26																				
Барлығы модуль бойынша / Итого по модулю / Total for module					**5**		**150**	**45**	**30**	**15**	**0**	**15**	**90**											
Модуль / Module № 15																								
	1	Агроөнеркәсіп кешенінің экономикасы Экономика агропромышленного комплекса The Economy of the Agro-Industrial Complex	БеП (ТК) ПД (КВ) PD (UC)	EAK 3309-26 EAK 3309-26 EAK 3309-26	5	5		150	45	30	15		15	90	Экономика және басқару Экономика и управление Economics and management				2 + 1 + 0			Емтихан Экзамен Examination	Басқа Другое More
	2	Өнеркәсіп экономикасы Экономика промышленности Industrial Economics		EP 3309-26 EP 3309-26 EP 3309-26																				
Барлығы модуль бойынша / Итого по модулю / Total for module					**5**		**150**	**45**	**30**	**15**	**0**	**15**	**90**											
Модуль / Module № 16																								

Модуль / Module №	1	Әлеуметтік сала экономикасы Экономика социальной сферы Social Economy	БеП (ТК) ПД (КВ) PD (UC)	ESS 3304-26 ESS 3304-26 ESS 3304-26	5	5		150	45	30	15		15	90	Экономика және басқару Экономика и управление Economics and management					2 + 1 + 0		Емтихан Экзамен Examination	Басқа Другое More
	2	Креативті экономика Креативная экономика Creative Economy		CE 3304-26 CE 3304-26 CE 3304-26																				
Барлығы модуль бойынша / Итого по модулю / Total for module						**5**		**150**	**45**	**30**	**15**	**0**	**15**	**90**											
						/ /																			
Модуль / Module № 17	1	Еңбек нарығының экономикасы Экономика рынка труда Labor Market Economics	БеП (ТК) ПД (КВ) PD (UC)	ERT 3305-26 ERT 3305-26 ERT 3305-26	5	5		150	45	30	15		15	90	Экономика және басқару Экономика и управление Economics and management					2 + 1 + 0		Емтихан Экзамен Examination	Басқа Другое More
	2	Еңбекті жоспарлау, нормалау және оған ақы төлеу Планирование, нормирование и оплата труда Planning, Rationmg and Remuneration		PNOT 3305-26 PNOT 3305-26 PNOT 3305-26																				
Барлығы модуль бойынша / Итого по модулю / Total for module						**5**		**150**	**45**	**30**	**15**	**0**	**15**	**90**											
						/ /																			
Модуль / Module № 18	1	Технология және инновация экономикасы Экономика технологий и инноваций Economics of Technology and Innovation	БеП (ТК) ПД (КВ) PD (UC)	ETI 3306-26 ETI 3306-26 ETI 3306-26	5	5		150	45	30	15		15	90	Экономика және басқару Экономика и управление Economics and management					2 + 1 + 0		Емтихан Экзамен Examination	Басқа Другое More
	2	Экономикалық қауіпсіздік Экономическая безопасность Economic Security		EBz 3306-26 EBz 3306-26 EBz 3306-26																				
Барлығы модуль бойынша / Итого по модулю / Total for module						**5**		**150**	**45**	**30**	**15**	**0**	**15**	**90**											
						/ /																			
Модуль / Module № 19	1	Кәсіпорындардағы экономикалық тәуекелдер Экономические риски на предприятиях Economic Risks at Enterprises	БеП (ТК) ПД (КВ) PD (UC)	ERP 3310-26 ERP 3310-26 ERP 3310-26	6	5		150	45	30	15		15	90	Экономика және басқару Экономика и управление Economics and management						2 + 1 + 0	Емтихан Экзамен Examination	Басқа Другое More
	2	Кәсіпорынның дағдарысқа қарсы саясаты Антикризисная политика предприятия Anti-crisis Policy of the Company		APP 3310-26 APP 3310-26 APP 3310-26																				
Барлығы модуль бойынша / Итого по модулю / Total for module						**5**		**150**	**45**	**30**	**15**	**0**	**15**	**90**											
						/ /																			
Модуль / Module № 20	1	Шығындарды басқару Управление затратами Cost Management	БеП (ТК) ПД (КВ) PD (UC)	UZ 3311-26 UZ 3311-26 UZ 3311-26	6	5		150	45	30	15		15	90	Барлық кафедралар Все кафедры All chairs						2 + 1 + 0	Емтихан Экзамен Examination	Басқа Другое More
	2	Компания құнын бағалау Оценка стоимости компании Valuation of the Company		OSK 3311-26 OSK 3311-26 OSK 3311-26																				
Барлығы модуль бойынша / Итого по модулю / Total for module						**5**		**150**	**45**	**30**	**15**	**0**	**15**	**90**											
						/ /																			
Модуль / Module № 21	1	Жобаларды басқару Управление проектами Project Management	БеП (ТК) ПД (КВ) PD (UC)	UP 3312-26 UP 3312-26 UP 3312-26	6	5		150	45	30	15		15	90	Экономика және басқару Экономика и управление Economics and management						2 + 1 + 0	Емтихан Экзамен Examination	Басқа Другое More
	2	Басқарушылық экономика Управленческая экономика Managerial Economics		UE 3312-26 UE 3312-26 UE 3312-26																				
Барлығы модуль бойынша / Итого по модулю / Total for module						**5**		**150**	**45**	**30**	**15**	**0**	**15**	**90**											
						/ /																			
Модуль / Module № 22	1	Фирмалардың сыртқы экономикалық қызметі Внешнеэкономическая деятельность фирм Foreign Economic Activity of Firms	БеП (ТК) ПД (КВ) PD (UC)	VEDF 3313-26 VEDF 3313-26 VEDF 3313-26	6	5		150	45	30	15		15	90	Экономика және басқару Экономика и управление Economics and management						2 + 1 + 0	Емтихан Экзамен Examination	Басқа Другое More
	2	Бағалы қағаздар және биржалық іс Ценные бумаги и биржевое дело Securities and Exchange Business		CBBD 3313-26 CBBD 3313-26 CBBD 3313-26																				
Барлығы модуль бойынша / Итого по модулю / Total for module						**5**		**150**	**45**	**30**	**15**	**0**	**15**	**90**											
Модуль / Module № 23		**Қорытынды аттестация / Итоговая аттестация / Final assessment**																							
	1	Қорытынды аттестаттау Итоговая аттестация Final certification			2	8		240													6 апта / недель / weeks			
Барлығы модуль бойынша / Итого по модулю / Total for module						**137**		**240**	**0**	**0**	**0**	**0**	**0**	**0**											
БАРЛЫҒЫ МОДУЛЬДАР БОЙЫНША / ИТОГО ПО МОДУЛЯМ / TOTAL FOR MODULES						**240**		**3330**	**945**	**600**	**315**	**30**	**291**	**1854**											

EXPERT OPINION

Educational Program: 6B04110 Economy

(code and title of the EP according to the "Classifier of Training Directions for Personnel with Higher and Postgraduate Education")

Area of Training: 6B041 Business and Management

(code and title of the training direction according to the "Classifier of Training Directions for Personnel with Higher and Postgraduate Education")

General characteristics of the educational program: The program demonstrates high relevance and excellence in design. The content of the EP successfully aligns with the NQF/SQF descriptors and the requirements of approved professional standards in labor relations and organizational development (dated 05.12.2024, No. 449). The interdisciplinary approach of the program is highly effective: the integration of inclusive education, circular economy principles, and a unique Minor module on artificial intelligence creates a modern educational environment for training next-generation economists.

Description and evaluation of the educational program structure: The allocation of the total workload of 240 academic credits is executed correctly. The ratio between General Education (56 credits), Basic (85 credits), and Major disciplines (91 credits) ensures the sequential development of professional and digital competencies. The inclusion of applied tools ("1C" software, business modeling methods) strengthens the practical orientation of the EP. Professional practice (17 credits) and final certification (8 credits) logically complete the educational process, ensuring the graduate's readiness for independent analytical activity.

General conclusion: The educational program "6B04110 Economics" is balanced, innovative, and fully meets the current demands of the labor market. The program ensures a strong synergy of theoretical knowledge and digital skills required for a Bachelor of Business. The EP is evaluated positively and is recommended for approval.

Recommendations for the use or improvement of the educational program: For further development, it is recommended to involve industry practitioners in hosting masterclasses on AI analytics and to continue integrating interactive business simulators into the learning process.

Expert: _____ / P.D. Beisekova – PhD, Associate Professor, Higher School of Economics, Astana International University.

Date: «_05_» _____ 2026

ОТДЕЛ КАДРОВ

ASTANA INTERNATIONAL UNIVERSITY
КОЛЫН РАСТАЙМЫН
ПОДПИСЬ ЗАВЕРЯЮ

EXPERT OPINION

Educational Program: 6B04110 Economy

(code and title of the EP according to the "Classifier of Training Directions for Personnel with Higher and Postgraduate Education")

Area of Training: 6B041 Business and Management

(code and title of the training direction according to the "Classifier of Training Directions for Personnel with Higher and Postgraduate Education")

General characteristics of the educational program: The program is developed in strict accordance with the NQF, SQF, and the latest professional standards: "Labor Relations Management" (05.12.2024, No. 449) and "Organizational Development and Human Resources Planning" (05.12.2024, No. 449). The relevance of the EP is justified by the implementation of multilingual and competence-based approaches, as well as the integration of digital skills. The uniqueness of the program lies in the innovative Minor cycle "Modern Aspects of Artificial Intelligence Application" (AI marketing, neural networks). The EP incorporates the principles of circular economy and sustainable development (course "Sustainable Development, Ecology and Life Safety"). The content is fully adapted for inclusive education (the module of socio-political knowledge addresses inclusion as a core social value).

Description and evaluation of the educational program structure: The structure of the EP is balanced, with a total workload of 240 academic credits. The cycles of General Education Disciplines (56 credits), Basic Disciplines (85 credits), and Major Disciplines (91 credits) are logically structured and aimed at the sequential formation of the graduate's Soft, Digital, and Hard skills. The disciplines ("1C: Enterprise", "Economic Analysis", "Business Planning") completely align with the competence model and labor functions of the professional standards. Professional practice (17 credits within the Major cycle) and final certification (8 credits) provide a strong link between theoretical training and calculation, economic, and analytical activities at actual enterprises.

General conclusion: The educational program "6B04110 Economics" fully meets the modern standards of science, technology development, and digitalization challenges. The program ensures the high-quality preparation of competitive Bachelors of Business and Management. Graduates will be highly demanded in the national and regional labor markets within analytical, financial, and organizational-managerial departments of both public and private sectors. The EP is recognized as high-quality and is recommended for approval.

Recommendations for the use or improvement of the educational program: It is recommended to maintain continuous cooperation with strategic employers to update internship databases and further expand the use of simulators and end-to-end IT solutions within digital-profile disciplines.

Expert: G.K.Zambinova

Candidate of Economic Sciences, Associate Professor

Head of the Department of Economics and Marketing

Esil University, Astana, Kazakhstan / (Full Name, academic degree, title, position, place of work)

Date: «15» 01 2026

Жолдыбекова ГК ҚОЛЫН РАСТАЙМЫН

Қызметкерлер басқармасының бастығы

«15» 01 2026 ж.

EXPERT OPINION (EXPERT CONCLUSION)
Educational Program: 6B04110 Economy
Field of Study: 6B041 Business and Administration

Name of the educational organization – partner in the development of the program:
International University of Applied Sciences in Lomza, Poland

General Characteristics

The Bachelor's program 6B04110 Economy (240 credits) is developed in accordance with the State Compulsory Standard of Higher Education of the Republic of Kazakhstan and aligns with the National and Sectoral Qualifications Frameworks and relevant professional standards.

The program is designed to meet current labor market demands, reflecting digital transformation and the increasing importance of data-driven decision-making. The inclusion of the Minor "Modern Aspects of Artificial Intelligence Application" strengthens students' digital competencies.

The program combines theoretical and applied training, preparing graduates for economic analysis, financial evaluation, and managerial decision-making. It also ensures inclusive and accessible education.

Structure of the Program

The program includes 240 academic credits:
General Education Disciplines – 56 credits;
Basic Disciplines – 85 credits;
Profiling Disciplines – 91 credits;
Professional Practice – 17 credits;
Final Certification – 8 credits.

The structure ensures a balanced development of theoretical knowledge, professional competencies, and practical skills through integrated academic and practice-oriented training.

Conclusion

The program is relevant, practice-oriented, and aligned with modern higher education and labor market requirements. It prepares competitive specialists in economics capable of working effectively in conditions of digital transformation.

Recommendations

1. Continuously update the curriculum in line with economic and technological changes.
2. Expand the use of digital tools and real business case studies in teaching.
3. Strengthen cooperation with employers to enhance practical training quality.

International Expert:
_____ / Ireneusz Żuchowski, PhD, Rector /
(Signature) *(Full Name, Academic Degree, Title, Position)*

Place of Employment: International University of Applied Sciences in Lomza, Poland
(Full name of the foreign university / research center / enterprise)

L.S. *(Seal of the expert's institution)*
"___" _____ 2026

EXPERT OPINION

Educational Program: 6B04110 Economy

Area of Training: 6B041 Business and Administration

Name of the educational organization/enterprise – partner in the development of the educational program: State University of Intelligent Technologies and Telecommunications

General Characteristics of the Educational Program

The educational program 6B04110 "Economy" (Bachelor's degree, 240 academic credits), developed by JSC "Kazakh University of Technology and Business named after K. Kulazhanov", complies with the State Compulsory Standard of Higher Education of the Republic of Kazakhstan and corresponds to Level 6 of the National Qualifications Framework and Sectoral Qualifications Framework.

The program is developed in accordance with the updated professional standards "Organizational Development and Human Resources Planning of the Organization" and "Labor Relations Management" (No. 449, dated December 5, 2024).

The curriculum reflects current trends in economics and business administration and focuses on developing analytical, managerial, and digital competencies. An important feature of the program is the inclusion of the Minor "Modern Aspects of Artificial Intelligence Application", which contributes to the formation of competencies in the field of modern digital technologies.

The learning outcomes are aligned with labor market requirements and aimed at developing professional and transferable skills required in economic and managerial activities. The program also ensures accessibility and inclusiveness for students with special educational needs.

Description and Evaluation of the Educational Program Structure

The structure of the program includes:
General Education Disciplines – 56 credits;
Basic Disciplines – 85 credits;
Profiling Disciplines – 91 credits;
Professional Practice – 17 credits;
Final Certification – 8 credits.

The curriculum is consistent with the graduate competency model. Professional competencies are formed through specialized courses, including 1C: Enterprise, Company Valuation, Labor Planning, Rationing and Remuneration, and Economic Security.

Professional practice, comprising Production Practice 1 and 2 and Pre-diploma Practice, provides opportunities for students to apply theoretical knowledge and acquire practical skills necessary for future professional activities.

General Conclusion The educational program 6B04110 "Economics" is relevant, practice-oriented, and meets the requirements of modern higher education and the labor market. The integration of digital technologies and professional standards ensures the preparation of competitive specialists with the competencies required for economic and managerial activities.

Recommendations for Using or Improving the Educational Program

1. Recommend the educational program for implementation and further development.
2. Continue updating the content of specialized disciplines considering digital transformation processes.
3. Strengthen cooperation with employers to enhance the practical orientation of the educational process.

Expert / Reviewer:
Olena Pavlivna Chukurna, Doctor of Economic Sciences, Professor, State University of Intellectual Technologies and Communications (Ukraine)

Signature: _____

Date: "__" _____ 202_ г.

M.P. (Seal/Stamp)

International Academic Advisor Confirmation/ Шетелдік кеңесшінің қатысуы/ Участие зарубежного консультанта

Educational Program/ Білім беру бағдарламасы/ Образовательная программа	6B04110 Экономика/ 6B04110 Экономика/ 6B04110 Economy
Level/ Дәрежесі/ Уровень	Бакалавриат/ Бакалавриат/ Bachelor
International Academic Advisor/ Шетелдік академиялық кеңесші/ Зарубежный консультант	Омурзакова Умут Маратовна
Academic degree/ Ғылыми дәреже/ Ученая степень	кандидат экономических наук
Position/ Лауазымы/ Должность	зав.кафедрой «Финансы, анализ и учет» Высшей школы экономики и бизнеса
University/ Университет/ Университет	Кыргызский государственный технический университет им.И.Раззакова
Country/ Ел/ Страна	Кыргызская Республика

Approved/ Келісілді/ Согласовано

The educational program has been reviewed and approved. The updated content of the educational program, the sequence of courses, and the revised learning outcomes (LO) have been developed in accordance with modern academic approaches.

Білім беру бағдарламасы қарастырылып, келісілді. Білім беру бағдарламасының жаңартылған мазмұны, пәндерді оқу реттілігі және жаңартылған оқу нәтижелері (ОН) заманауи академиялық тәсілдерге сәйкес әзірленді.

Образовательная программа рассмотрена и согласована. Актуализированное содержание образовательной программы, последовательность изучения дисциплин и обновленные результаты обучения (РО) сформированы с учетом современных академических подходов.

International Academic Advisor/ Шетелдік академиялық кеңесші/ Зарубежный консультант	U.Omurzakova У.Омурзакова У.Омурзакова	29.04.26 (Date Күні Дата)

Seal/ МО/ МП