

Ministry of Agriculture of the Republic of Kazakhstan
NCJSC «Saken Seifullin Kazakh AgroTechnical Research University»

Considered
at a meeting of the Academic
Council of the University
Protocol № 16
«29» _May_ 2023

APPROVED
Chairman of the Board-Rector
NJSC «S.Seifullin Kazakh
AgroTechnical Research University»

«29» May 2023



EDUCATIONAL PROGRAM
7M04111 «Analytical economics»

Code and classification of the field of education:

7M04 Business, administration and law

Code and classification of areas of study:

7M041 Business and administration

Code in the international standard classification of education: 410

Awarded degree/qualification: Master of business and management in educational program 7M04111 «Analytical economics»

Studying period: 1

Academic committee:

1. Zamira Mukhambetova – Ph.D., acting professor;
2. Raushan mussina - Ph.D., Associate Professor;
3. Nurlan Kulbatyrov – Deputy General Director of QazTrade JSC Trade Policy Center

The Academic Committee was approved by order of the NJSC "Seifullin KATRU" №374-H dated October 18, 2023

Educational program "Analytical economics"
reviewed at the meeting of Economics Department
Protocol №7 17_01_2023

Approved by the Faculty Council
Protocol №8 16_02_2023

Head of the Economics Department



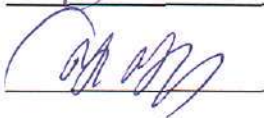
A. Temirova

Chairman of FCAQ



G. Rakhimova

Dean of the Faculty



N. Nurmuhametov

Employer, deputy
general director
JSC " QazTrade" JSC
Trade Policy Center



N. Kulbatyrov

Content

№	Component name	Page
1.	Passport of the educational program	4
2.	General characteristics of the educational program	5
3.	Competence model (portrait) of a graduate	6
4.	Base of professional practice	7
5.	The structure of the educational program	8
6.	Annex 1. Academic calendar	9
7.	Annex 2. Working curriculum	11
8.	The relationship between the attainability of the formed learning outcomes in the educational program and academic disciplines	12

1 Passport of the educational program

1.1 Purpose of the educational program:

The purpose of the educational program is to train economists-analysts with theoretical knowledge and practical skills for professional activities, competent in the analysis of economic processes, organization and conduct of research at various levels, including in the fields of agriculture, agribusiness and the economy as a whole.

Objectives of the educational program:

- training of highly qualified specialists with professional competencies in the field of economics and organization in the agro-industrial complex;
- training of specialists capable of using the mathematical apparatus and skills of economic calculations;
- training of specialists capable of applying managerial skills, psychological knowledge and communication skills of professional activity;
- training of highly qualified economists with competencies to carry out economic analysis of the activities of business units, to participate in applied economic research and experiments, to develop and implement solutions at all levels of economic relations.

1.2 Learning Outcomes

- LO1. Analyze the concepts of world and Kazakhstani economic science, apply knowledge of a foreign language to analyze foreign sources of information..
- LO2. Own modern technologies and have the communication skills necessary for analytical activities in the economic sphere.
- LO3. Possess the skills of analyzing international relations of business entities, their activities in foreign markets, technological aspects of doing business.
- LO4. Demonstrate the ability to analyze management systems, as well as factors influencing the performance of the organization and its functional units, psychological aspects of management.
- LO 5. Analyze information and choose methods of scientific research to identify problems at various levels of the economy in general and at AIC enterprises in particular, suggest ways to solve them, taking into account the operation of economic laws.
- LO6. Model macroeconomic parameters, carry out economic planning and forecasting taking into account risks and uncertainties in the economy.
- LO 7. Possess the skills in assessing trends and opportunities, as well as economic modeling for business development and developing strategies to ensure its competitiveness in the context of market.

2 General characteristics of the educational program (relevance, features, competitive advantages, uniqueness, stakeholders, etc.)

Relevance. The educational program “Analytical economics” is aimed at solving systemic issues in the organization of the economy and business, necessary to improve the quality of the content of disciplines in order to form professional competencies and learning outcomes.

Features of the program. Education in the magistracy is conducted by a highly qualified teaching staff, including invited foreign professors from leading foreign universities. Undergraduates will be trained in the most modern methods of scientific economic analysis.

Competitive advantages. The basis of the educational program is scientific seminars, guest lectures, master classes of famous scientists and practitioners. Scientific and economic research is carried out on the basis of the existing infrastructure of the university. The effective implementation of research activities is facilitated by the functioning of specialized educational and research rooms, subsidiaries of the university.

The *uniqueness* of the educational program is reflected in the learning outcomes, taking into account the graduate model, the content of professional standards, the expected learning outcomes, the requirements of the employer, the interests of all stakeholders, which is aimed at developing leadership qualities, the ability to manage the company's investments, ensuring communication processes and the company's competitive strategy, and obtaining skills in the field of circular economy and enterprise competitiveness.

Stakeholders. The educational program meets the expectations of stakeholders, the goals and objectives of the university. The implementation of the program will allow students to acquire new knowledge, the teaching staff to effectively organize the educational process, train personnel for stakeholders, including the state and business entities.

3 Competence model (portrait) of a graduate

3.1 Areas of professional activity. The modern knowledge-intensive economy leads to an understanding of its philosophical and methodological features. Fundamental knowledge, skills and abilities acquired during the master's program will improve communication skills in professional activities, use various scientific methods and methods of analysis, adapt the achievements of world and Kazakhstani science. Obtaining a master's degree contributes to the successful career advancement of a specialist in research, design and economics, analytical, organizational and managerial and continuing education.

3.2 Types of professional activity. Master in the direction of training 7M041 Business and Management in the educational program «Analytical Economics» is preparing for the following types of professional activities:

- organizational and managerial;
- information and analytical;
- entrepreneurial;
- foreign economic
- experimental research.

3.3 General educational competencies

A master's student must have general educational competencies that reflect the learning outcomes that characterize the student's abilities:

- demonstrate developing knowledge and understanding in the field of study, based on advanced knowledge of this field, in the development and (or) application of ideas in the context of the study;
- use knowledge, understanding and abilities at a professional level to solve problems in the field of study, taking into account an interdisciplinary approach;
- to collect and systematize information for the formation of judgments, taking into account social, ethical and scientific views;
- have the learning skills necessary to independently continue further education in the field of study.

3.4 Basic competencies

In the process of learning, he acquires basic competencies:

- conduct a critical analysis of the economic efficiency of firms, organizations, interpret the results of the analysis and demonstrate the ability to make the right management decisions and build business models;
- use the skills of collecting and analyzing data to draw up research projects, perform calculations on material, labor and financial costs necessary for the production and sale of products / services, types of work, development of new types of products and technologies, drawing up plans and projects;
- to carry out an economic analysis of the activities of business units, to participate in applied economic research and experiments, to develop and implement solutions at all levels of economic relations.

3.5 Professional competencies

The educational program allows graduates of the master's program of the profile direction:

- apply the knowledge of classical theories of economic science in professional activities;
- to carry out managerial activities at all levels of the functioning of firms and organizations, integrating the knowledge and skills gained in the field of economics at the micro-, macro-, meso-level;
- apply analytical skills, modeling theoretical and experimental research, solve applied problems in professional activities.

4. Base of professional practice

Scientific research of undergraduates is carried out in subsidiaries of the university, within the framework of scientific internships in leading domestic and foreign universities and research institutes.

Research practices on the basis of large agricultural enterprises also contribute to the effective implementation of research activities. The main partner universities in the implementation of joint scientific projects, increasing academic mobility, organizing scientific internships are both Kazakhstani and foreign universities and organizations.

5. The structure of the educational program

№	Name of cycles of disciplines and activities	General labor intensity	
		with a typical study period of 1 year	
		in academic hours	in academic credits
1	2	3	4
1.	Theoretical training	1170	39
1.1	Cycle of basic disciplines	300	10
1)	HEI component	180	6
	including:		
	Foreign language (professional)	60	2
	Management	60	2
	Psychology of management	60	2
2)	Selectable Component	120	4
	Planning and forecasting at AIC enterprises / Risks and uncertainty in the economy	120	4
1.2	Cycle of major disciplines	870	29
1)	HEI component	150	5
	Scientific research methods	150	5
2)	Selectable Component	450	15
	International Business and Strategy / Digital Business Economics	150	5
	Statistical analysis in economics / Modeling the market strategy of an enterprise	150	5
	Econometrics and modeling of economic processes / Macroeconomics modeling	150	5
3)	Production practice	270	9
2	Experimental research work	390	13
1)	Experimental research work of a master student, including an internship and a master's project	390	13
3	Additional types of learning		
4	Final examination	240	8
1)	Design and defense of the master's project	240	8
	Total	1800	60

WORKING CURRICULUM
For the modular education program "Analytical economics"
In specialty M076 – Economy
Course years 2023-2024
Degree: Master's program by specialization (Field-specific direction)
Form of education: Full-time (MS 1 year) semester
Entry year 23-05-2023

Module code	Module name	Discipline cycle	Discipline component	Code of subject	Subject name	Academic credits	Control in the academic period				Term paper/project	Volume of hours including				Distribution of 1 course					
							Exams	Differentiated test (practice)	Differentiated test (course paper)	Practice/SRW		Total	In-class learning	Lectures	Practice	Lab practicals	Self-study work of student with teacher	Self-study work of Ms student	Number of 1	Number of 2	
1	Basic disciplines	BS	UC	PU 5202	Psychology of management	2	1					60.0	15.0	8	7	0	8	37	2.0	2.0	
2		BS	UC	Men 5204	Management	2	1					60.0	15.0	8	7	0	8	37	2.0	2.0	
3		BS	UC	IYAP 5206	Foreign language (professional)	2	1					60.0	15.0	0	15	0	8	37	2.0	2.0	
4		BS	ES	PPPA 5207	Planning and forecasting at AIC enterprises	4	1					120.0	45.0	15	30	0	16	59	4.0	4.0	
5		BS	ES	RWE 5207	Risks and uncertainty in the economy	4	1					150.0	45.0	15	30	0	16	59	4.0	4.0	
6		AS	UC	MNI 5306	Scientific research methods	5	1					150.0	45.0	15	30	0	20	85	5.0	5.0	
7	AS	ES	EMEP 5305	Econometrics and modeling of economic processes	5	1					150.0	45.0	15	30	0	20	85	5.0	5.0		
8	Profiling	AS	ES	MM 5312	Macroeconomics modeling	1	1					45.0	45.0	15	30	0	20	85	5.0	5.0	
9		AS	ES	SAE 5303	Statistical analysis in economics	1	1					45.0	45.0	15	30	0	20	85	5.0	5.0	
10		AS	ES	MRSP 5311	Modeling the market strategy of an enterprise	1	1					45.0	45.0	15	30	0	20	85	5.0	5.0	
11		AS	ES	MBS 5302	International business and strategy	1	1					45.0	45.0	15	30	0	20	85	5.0	5.0	
12	Production practice	AS	ES	ECB 5308	Digital business economics	5	1					150.0	45.0	15	30	0	20	85	5.0	5.0	
13		AS	UC	PP 5307	Internship	9	1				270	270.0	0	0	0	0	0	0	0	9.0	9.0
14	The research work of a master student, including the implementation of the		RW	CS	EIRMFVSVMP 5502	Experimentally research work of undergraduate, including internship and master project	13				390	390.0	0	0	0	0	0	0	0	13.0	13.0
Total of theoretical course						52	8	0	0	660	0	1580	270	91	179	0	120	510	30.0	22.0	
AC	Additional courses																				
FA	Final attestation					8															
	Master dissertation defence					8															
	Total					60				3	663	1800	270	91	179	0	120	510			

Director of department on academic affairs
Chief of postgraduate study department
Dean of faculty
Head of department
Chair of methodic committee of faculty
Representative of employers – position, surname, governance, patronyme

Жылқышев Жансербек Серікбайұлы
Есбергалиев Жанна Серікбайовна
Сабиржанов Мазитов Ержанович
Теміржанов Аманжол Боларханов

Matrix of attainability of the formed learning outcomes for the educational program with the help of academic disciplines

№	Name of disciplines	Brief description of the discipline	Numb er of credits	Generated learning outcomes (code)						
				ON 1	ON 2	ON 3	ON 4	ON 5	ON 6	ON 7
Cycle of basic disciplines										
HEI component										
1	Foreign language (professional)	The discipline "Foreign Language" (professional) is intended for undergraduates of non-linguistic specialties. The study of the course leads not only to the enrichment of knowledge and the expansion of the scientific horizons in the specialty, to a deeper knowledge of the processes of communication, but also allows undergraduates to acquire practical skills necessary in their future professional activities.	2	v	v					
2	Management	The discipline "Management" consists of organizational elements of the study of the management process, communication and decision making, management functions such as planning, organization, coordination and control, teamwork and leadership, as well as the study of various functional departments of the organization such as production, marketing, finance, personnel management.	2				v			v
3	Psychology of management	The academic discipline is focused on the development by students of knowledge about the psychological content of management as a social system and sphere of professional activity. It contains socio-psychological knowledge necessary for the analysis and forecasting of management effectiveness, optimization of management relationships and decisions, as well as an introduction to management theory, psychology of management activities, management communication and conflicts, management decision-making.	2				v			
Cycle of basic disciplines										
Selectable component										
4	Planning and forecasting at AIC enterprises	The discipline reveals aspects of planning and forecasting at AIC enterprises, provides knowledge for making informed decisions based on an analysis of the current situation, past events and trends at various levels of the economy. Planning includes setting goals and developing plans to achieve them, while forecasting predicts trends and outcomes, taking into account the characteristics of agribusiness.	4						v	

7	Statistical analysis in economics	<p>The course studies statistical methods of analysis in the economy, their classification, indicators, procedure, forms a set of theoretical knowledge and methodological foundations for undergraduates in the field of statistical data analysis and the use of information systems for statistical data analysis, as well as practical skills necessary for the practical use of these systems.</p> <p>The study of the discipline forms the knowledge and skills to analyze the market situation and its trends, customer behavior, competitors' actions and internal parameters to identify opportunities and problems in the functioning of an economic entity. Modern approaches to modeling a comprehensive market strategy of an enterprise are considered, which describe the development of a business in the context of current market conditions.</p>	5					v	v	v
8	<p>Econometrics and modeling of economic processes</p> <p>Macroeconomics modeling</p>	<p>The course provides for the study of microeconomic and macroeconomic models, as well as the basic material on econometrics, which is an important tool for describing, analyzing and predicting microeconomic and macroeconomic processes for conducting scientific research on economic processes.</p> <p>The discipline is aimed at mastering modern methods of modeling macroeconomics, taking into account the analysis of processes and indicators that characterize the current state and features of the development of the country's economy. For modeling purposes, the relationship between various economic variables is analyzed, factors affecting GDP, inflation, investment, capital transactions, employment, entrepreneurial activity, labor productivity and other macroeconomic parameters are studied.</p>	5					v	v	v