

Ministry of Agriculture of the Republic of Kazakhstan
Kazakh Agrotechnical Research University named after S.Seifullin

APPROVED

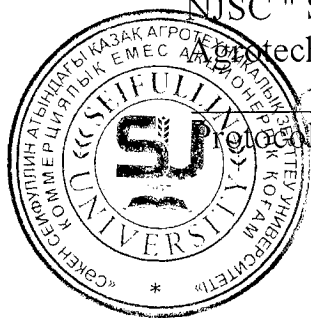
Chairman of the Board-Rector

NISC " S.Seifullin Kazak

Agrotechnical Research University "

Tireuov M.K.

Protocol № 18 «24» 04 2025 y.



EDUCATIONAL PROGRAM

7M04105 «Public and real sector finances»

Code and classification of the field of education: 7M04 Business, Management and Law

Code and classification of areas of training : 7M041 Business and Management

Code in International Standard Classification of Education: 0410

Degree awarded : Master of Economic Sciences in the educational program 7M04105-
«Public and real sector finances»

Astana 2025

Academic Committee:

Full	name	Academic/In a student degree, title	Position	Place of work	Signature
1	Baimagambetova Zamzagul Aitmagambetovna	Candidate of Economic Sciences.	Senior lecturer of the Department "Accounting and Finance"	KATIU named after S. Seifullin	
2	Mataibayeva Gulnar Zharylgapovna		Senior Lecturer of the Department of Accounting and Finance	KATIU named after S. Seifullin	
3	Mauina Galiya Aitymovna	Candidate of Economics.	Associate Professor of the Department of Accounting and Finance	KATIU named after S. Seifullin	
4	Spanova Zulfira Kinayatovna		Head of the HR Department of the Department of Human Resources of the City of Astana		
5.	.Yesilbaeva Aruzhan Zhaslanovna		Student, 4th year student of OP 6B04102 "Financial Analytics"	KATIU named after S. Seifullin	

The educational program has been endorsed by employer representatives:

№	Full Name	Position	Place of Work	Signature and Seal
1	Dzhaksylykova Zh.A.	Head of Legal Entities Administration Department	Department of State Revenue for Saryarkinsky district of Astana	

The Academic Committee was approved by the order of the Chairman of the Board – Rector of the NJSC "Saken Seifullin Kazakh Agrotechnical Research University" No. 1.8.1-3/435-Н dated 12 December 2024.

Educational Program 7M04105 «Public and real sector finances»:

Reviewed:

at the meeting of the Department of Accounting and Finance, minutes No. 8 dated 03.03.2025.

at the meeting of the Faculty Academic Quality Council, minutes No. 8 dated 05.03.2025.

at the meeting of the University Academic Council, minutes No. 7 dated 19.03.2025.

Date of the latest update of the Educational Program Passport: 01.07. 2025.

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1. Normative references

When developing the EP, references to the following normative legal acts were used:

1. Constitution Of The Republic Of Kazakhstan;
2. Labor Code Of The Republic Of Kazakhstan;
3. Law of the Republic of Kazakhstan "on education";
4. "state mandatory standards of Higher and postgraduate education", approved by the order of the minister of Science and higher education of the Republic of Kazakhstan dated July 20, 2022 No. 2 (hereinafter referred to as the state educational standard);
5. "rules for organizing the educational process on Credit Technology of training in organizations of Higher and postgraduate education", approved by the order of the Minister of Education and science of the Republic of Kazakhstan dated April 20, 2011 No. 152;
6. "standard rules of activity of the Organization of Higher and postgraduate education", approved by the order of the Minister of Education and science of the Republic of Kazakhstan dated October 30, 2018 No. 595;
7. "qualification requirements for educational activities of organizations of Higher and (or) postgraduate education and a list of documents confirming compliance with them", approved by the order of the minister of Science and higher education of the Republic of Kazakhstan dated January 5, 2024 No. 4;
8. Order of the minister of Education and science of the Republic of Kazakhstan dated March 20, 2015 No. 137 "on approval of the requirements for educational organizations on distance learning and the rules for organizing training in the form of online training on distance learning and educational programs of higher and (or) postgraduate education";
9. instructions for using the European transfer and accumulation system (ECTS);
10. guidelines with standards for ensuring the quality of higher education in the European Higher Education Space (ESG) ;
11. guidance on the development of educational programs of Higher and postgraduate education, Appendix 1 to the order of the director of the National Center for the development of higher education of the Ministry of national education of the Republic of Kazakhstan No. 601 dated 4.05.2023;
12. "Rules for maintaining the Register of educational programs implemented by organizations of Higher and (or) postgraduate education, as well as the grounds for inclusion and exclusion from the Register of educational programs", approved by the order of the minister of Science and higher education of the Republic of Kazakhstan dated October 12, 2022 No. 106.

2. Passport of the educational program

2.1 Purpose of the educational program

The purpose of the educational program is to prepare highly qualified managers and specialists in the field of financial and banking activities who are able to scientifically substantiate and analyze the trends in the development of the financial system, its role in regulating the reproduction processes in the country, the directions of monetary policy, to develop scientifically-based recommendations for improving financial banking legislation in order to form an innovative economy.

Main tasks:

- deepening of theoretical and practical training in the chosen direction of science and pedagogical activity;
- developing the ability to self-improvement and self-development, the needs and skills of self-creative mastering new knowledge;
- implementation of research and management activities;
- acquisition of skills for organizing and conducting research, obtaining the necessary groundwork for continuing research in doctoral studies;
- obtaining the necessary minimum knowledge in the field of university pedagogy and psychology, as well as teaching experience in high school.

List of professional standards (PS) and industry qualification frameworks (IQF) corresponding to the professional activities of graduates who have completed the educational program

N п/п	Name of the ORK, PS, approval date	Key occupations and professions
1	ORK "Financial and economic sphere of activity: accounting, audit and taxation" protocol No. 4 dated November 8, 2024 (ORK level 7)	Financial Director (Financial Analyst), Financial Director
2	PS "Financial Management" order No. 1340 dated December 29, 2023 (Level 7 of the ORK)	Director of the company, deputy director of the company

2.2 Expected result of the educational program:

According to the professional standard "Financial Management," the job functions of this profession include:

Mandatory job functions:

Mandatory job functions (MLF):

1. Training.
2. Conducting scientific research.
3. Carrying out scientific and methodological work.

LR1- Apply modern methods of assessing the risk of organizations to achieve financial stability and long-term sustainability.

LR2- identify problems in the activities of financial bodies, various institutions and infrastructure of the financial market.

LR3- Develop the direction of innovative development of organizations.

LR4- Possess modern tools and methods for analyzing and regulating the finances of the state and non-state sectors of the economy, the activities of financial and credit institutions.

LR5- Demonstrate the ability to solve project economic problems in professional activities.

LR6- Demonstrate in-depth knowledge and understanding in finance.

LR7- Draw up the results of analysis and evaluation in the form of financial reviews, expert-analytical opinions, reports and scientific publications.

LR8- Develop effective problem solving, strategy and action plans.

3. General characteristics of the educational program

The educational program has been developed in accordance with the National Qualifications Framework and professional standards, and is coordinated with the Dublin descriptors and the European Qualifications Framework. The educational program is designed on the basis of a modular system for the study of disciplines and consists of 4 modules that form general cultural and professional competencies.

The main advantages of NJC "KATRU them. S.Seifullin "before competing universities are: specialized focus of training; highly qualified personnel, including well-known scientists in the field of economic sciences; prompt response to the demands of the labor market, specific employers; affordable tuition fees; Financial independence; introduction of distance learning technologies; favorable image of the University.

In order to improve the quality of education and fulfill the requirements of the modular educational program, well-known scientists and practitioners with experience in the field of finance and banking are invited. For the organization of practical work and the creation of appropriate conditions for students in the areas of training of masters, there is a Consultation Center on financial issues.

The relevance of educational programs is confirmed by the fact that employers of the specialty "Finance" reviewed and gave reviews on updated modular educational programs, educational and methodological complexes in the disciplines of the magistracy by the following employers:

1. Kozhakhmet A.E.–Deputy Director of the Astana Regional Branch for Retail Business of HalykBank;
2. Dzhaksylykova Zh - Head of Indirect Taxes Administration Department, State Revenue Department for Saryarkinsky district of Astana city

The program's place in the national rating of the NAAR (independent agency of accreditation and rating) -6

4 Competency model (portrait) graduate

4.1 Professional activities

- financial and cash flow management, as well as financial control in commercial organizations, including financial and credit, non-profit organizations, state and local government bodies, non-governmental and public organizations;
- study of financial, monetary, credit markets in academic and departmental research institutions, non-state research funds and organizations, consulting and investment companies;
- pedagogical activity in institutions of higher, postgraduate and additional professional education.

4.2 Types of professional activity

research; production and management; expert and analytical; experimental research; scientific - pedagogical; economic and organizational; organizational and technological; financial and economic; auditing; business planning.

4.3 General educational competencies:

- to own and know the language, traditions, customs and culture of the titular nation of Kazakhstan;
- have an idea of the actual methodological and philosophical problems of economic sciences;
- to discuss social and economic problems in various languages and to conduct interpersonal conversation;
- the ability to understand and analyze ideological, socially and personally significant philosophical problems;
- have an idea of the professional competence of a higher school teacher;
- know the principles and structure of the organization of scientific activity;
- know the psychology of students' cognitive activity in the learning process;
- be able to apply the knowledge of pedagogy and psychology of higher education in their educational activities;
- Know the psychological methods and means of improving the effectiveness and quality of training.

4.4 Basic Competences

- to know the general idea of science and scientific thinking;
- know the trends of social development of society;
- ability to navigate in the main stages and processes of development of foreign literature, to use this experience in professional activities;
- the ability to analyze the main trends in the formation of the social structure of modern society;
- strive for professional and personal growth;
- possess the basics of economic knowledge, have a scientific understanding of management, marketing, finance, economics, etc .;
- know and understand the goals and methods of state regulation of the economy, marketing, the role of the public sector in the economy;
- be able to navigate in modern information flows and adapt to dynamically changing phenomena and processes in the global economy.

4.5 Professional competencies:

- be able to critically analyze existing concepts, theories and approaches to the analysis of processes and phenomena;
- the ability to identify the main problems and issues of economic management of the country;
- knowledge of the methodological foundations of the company's crisis management;
- knowledge of the legislation of Kazakhstan, IFRS and ISA;
- possession of the theory and practice of financial relations of corporations in a market economy, especially the organization of finance of enterprises of various forms of ownership and management;
- the ability to summarize best practices in the management of the banking product and its promotion at the present stage;
- to acquire knowledge in the field of bases of functioning of the state budget;
- know the basic methods and methodology of regulation of money circulation in the economy;
- possession of skills and methods of budgeting firms.

5. Base of professional practice

The educational program of scientific and pedagogical magistracy includes two types of practices:

- 1) pedagogical - in the organization of education;
- 2) research - at the place of the dissertation.

Pedagogical practice is carried out in order to form practical skills and methods of teaching financial disciplines in higher education.

The research practice of the undergraduate is conducted in order to familiarize with the latest theoretical, methodological and technological achievements of domestic and foreign science, with modern methods of scientific research, processing and interpretation of experimental data.

After completing the internship the undergraduate must master the following skills:

1. Formulate and solve modern scientific and practical problems, plan and conduct research activities on chosen scientific specialty, to teach in universities, successfully carry out research and management activities;
2. To analyze the activities of the organization and institutions of various forms of ownership, to make a scientifically based choice of the necessary methods of economic analysis and control;
3. On the basis of system analysis, build and use models to describe and predict processes, phenomena, situations, while carrying out their qualitative and quantitative analysis and synthesis;

The main bases of practice are: second-tier banks, state revenue management, Agrarian Credit Corporation JSC (Astana), Kazakh Scientific Research Institute of Agricultural and Agricultural Development and Rural Development.

6 . The structure of the educational program of the magistracy in the scientific and pedagogical direction

№	The name of the cycles of disciplines and activities	Total complexity	
		in academic hours	in academic credits
1	2	3	4
1.	Theoretical training	1920	84
1.1	The cycle of basic disciplines (BD)	1050	35
1)	University component (VK)	600	20
	including:		
	History and philosophy of science	150	5
	Foreign language (professional)	150	5
	Higher School Pedagogy	90	3
	Psychology of management	150	5
	Teaching practice	60	2
2)	Component of choice (CC)	450	15
	Basics of scientific research	150	5
	Tax system of the Republic of Kazakhstan	150	5
	Financial modeling	150	5
1.2	The cycle of the main disciplines (PD)	1470	49
1)	University component (VK)		
	Scientific finance concepts	150	5
	Financial Management (Advanced)	150	5
	Private banking services	150	5
	State Treasury System of the Republic of Kazakhstan	150	5
2)	Component of choice (KV)	600	20
	World financial markets	150	5
	Management of financial institutions	150	5
	Financing and lending to agribusiness	150	5
	Financial accounting in accordance with IFRS / Evaluation of financial statements	150	5
3)	Research practice	270	9
2	Research work	720	24
1)	Master's research work, including internships and the implementation of a master's thesis (R & D)	720	24
3	Additional types of training (DVO)		
4	Final certification (IA)	360	12
1)	Registration and protection of the master's thesis (OiZMD)	360	12
	Total	3600	120

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

№	Name of the discipline	Brief description of the discipline (30-50 words)	Number of credits	Generated learning outcomes							
				LR1	LR2	LR3	LR4	LR5	LR6	LR7	LR8
Common modules											
University component											
1	History and philosophy of science	Forms the skills of the methodological and dialectical approach to the research, summarizes philosophical knowledge, studies the issues of historical development, its structure, analyzes the patterns and trends of scientific knowledge, systematizes the effectiveness of research work.	5								
	Pedagogics of higher school	It allows undergraduates studying in the scientific and pedagogical direction to understand common problems, methodological and theoretical foundations of Higher School pedagogy, skills of analysis of teaching and upbringing, elements of modern planning and organization technologies.	3								
	Psychology of management	Forming the skills of managing organized activities of people through the study of psychological laws and patterns of management and quality of work, developing the ability to make decisions scientifically, planning the activities of other people, and managing into an organization	5								
2	Basics of scientific research	The discipline studies the basic principles and methods of scientific research. Preparation for research and organizational and methodological activities related to conducting scientific research in the field under study. He also studies the concepts of science, the characteristic features of modern science, the definition and classification of scientific research, methods of scientific research in the field of agriculture, stages of scientific research, the main goals and approaches of scientific research, the essence of	5								

[illegible]

Financing of investment projects	The discipline studies the principles, tools, methods and forms of financing projects, sources of financing financial projects, associated risks and ways to manage them. Will develop practical skills in carrying out financial calculations and constructing financial models.	3																	
Financing and lending of agro-industrial complex	The course studies the theoretical foundations of the formation of the financial agro-industrial complex. To study the regulatory framework for the formation of the agro-industrial complex and the content of state programs for financing and lending to the agro-industrial complex. To identify the specifics of funding JSC NMH Kazagro for commercial banks, credit partnerships, microfinance and leasing companies.	5																	
Financial engineering	The discipline examines the development of instrumental and technological theory of modern financial markets, the cessation, diffusion and use of equity and debt innovations, new types of derivatives, hybrid and structured products, as well as methods of securitization of financial assets.	5																	
Scientific concepts of finance	The basis for the formulation of financial categories, concepts, terms, their classification, meaning and place in socio-economic processes using scientific approaches. Achieving an understanding of the relationship and interaction of forms of financial organization and methods of their application in the special conditions of socio-economic development of society. Study of the scientific, conceptual foundations of Western financial theories, concepts of crisis response, as well as classical scientific theories of finance.	5																	
Evaluation of financial statements.	Providing in-depth theoretical knowledge and practical skills in the field of methodological and methodological foundations for the formation of financial statements and the development of professional judgment on the assessment of financial statements. Understanding, mastering the	5																	

