

MINISTRY OF EDUCATION AND SCIENCE
REPUBLIC OF KAZAKHSTAN
KAZAKH AUTOMOBILE AND ROAD INSTITUTE
NAMED AFTER L.B.GONCHAROV
FACULTY OF "ROAD"

Approved
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Kabashev R.A.



**Competence model of a graduate
of the educational program 7M04101 "Economics"**

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Developer of the educational program:

1. Kalgulova R.Zh. Candidate of Economics, Professor. Head of the Department
2. Aypova T.A. senior lecturer, Master

The competence model of the graduate of the educational program 7M04101 Economy was discussed at the meeting of the Department of Economics and recommended for approval.

Protocol No. 1 of "27" 08 2021 Head of the Department "Economics" Kalgulova R.Zh. 

The competence model of the graduate of the educational program 7M04101 Economy was reviewed at a meeting of the Educational and Methodological Council of KazADI and recommended for approval.

Protocol No. 1 of "31" 08 2021 Chairman of the UMS Murzakhmetova U.A. 

1. GENERAL PROVISIONS

- 1.1. The competence model meets the requirements of the SES HPE in the direction 7M041 "Business and Management"
- 1.2. The main users of the competence model are:
 - 1.2.1 Associations of specialists and employers in the relevant field of professional activity.
 - 1.2.2 The teaching staff of the Institute responsible for the qualitative development, effective implementation and updating of the main educational programs, taking into account the achievements of science, technology and the social sphere in this field of training.
 - 1.2.3 Undergraduates mastering the educational program of the university aimed at the formation of these competencies.
 - 1.2.4 Vice-Rectors responsible within their competence for the quality of graduate training.
- 1.3. The competence model is the basis for designing the content of the master's educational program within the framework of the "Economics" training profile

2. COMPETENCE MODEL

The development of a graduate's competence model becomes an unconditional condition for the implementation of the main directions of the Bologna process and a requirement of the modern labor market.

The graduate's competence model (master's degree) is designed to answer the question of what professional tasks a specialist of a certain rank (position), of a particular profile should be able to solve.

The formation of a modern model of a university graduate that meets the needs of stakeholders and all interested parties is the main strategic goal of L.B. Goncharov KazADI and is provided with the necessary resources for the educational process, including personnel, educational, methodological, informational and logistical support. The Institute conducts a purposeful personnel policy and systematic improvement of the material and technical base of the university to ensure the quality of training of a graduate of a master's degree in demand in the labor market.

The quality of each OP should contribute to the implementation of the requirements defined by the competence model of the graduate of the specialty. The results of the quality assessment of the OP are regularly reviewed at the meeting of the Academic Council of the Institute. The university has developed models of graduates of the OP, which include professional, personal, entrepreneurial and managerial competencies.

The graduate model is a system of interrelated graduate competencies that reflects the qualitative content of the OP.

Competence - knowledge and understanding of how to act (practical and operational application of knowledge in specific situations), knowledge of how to be (values as an integral part of the way of perceiving the world and living with others in a social context). Competence, unlike knowledge of specific academic disciplines and skills, is manifested and evaluated only in the process of practical (professional) activity.

The graduate model is a framework characteristic of the abilities of a graduate of higher professional education and postgraduate professional education, specialty and level of training, corresponding to the SES and the requirements of international certification standards and guaranteeing the professional activity of a graduate with a given level of quality. The graduate model defines the content and the process of implementing the educational program, which means the consistent formation of the required list of competencies among the trainees. The basis for the development of the characteristics of the professional activity of the graduate is the State standard of the relevant field (specialty) and international standards, as well as requirements for international certification within the specialties.

Each graduate's competence is provided by a certain set of disciplines (or practices) combined into appropriate modules. The content of the modules of the disciplines should fully correspond to the level of these competencies. Competence in the specialty is formed as a result of the consistent nature of the study of disciplines. Competence is, as a rule, interdisciplinary in nature. For this purpose, the content structure of each competence is determined, divided into disciplinary parts, relations of competencies and academic disciplines, practical sections involved in the formation of each competence.

In accordance with the graduate model, the institute develops an OP, on the basis of which two types of graduates are formed:

a graduate entrepreneur who, upon graduation, organizes his business.

a graduate is a specialist with professional knowledge and skills for employment and further career development in the company.

Departments responsible for practical training and employment, employers are engaged in the development of the graduate model. At the meetings of the departments, decisions on the graduate model are made by open voting. Verification of graduate models takes place in accordance with changes in the needs of domestic and foreign labor markets

The regulatory framework of the graduate - bachelor model in the specialties of the Institute is based on the following documents:

The Law of the Republic of Kazakhstan "On Education" No. 319-III dated July 27, 2007 (with amendments and additions as of 07.07.2020)

The State Program for the Development of Education of the Republic of Kazakhstan for 2020-2025, approved by the Decree of the President of the Republic of Kazakhstan No. 988 dated December 27, 2019.

GOSO of higher and postgraduate education No. 604 dated 31.10. 2018

Rules "Organization of the educational process on credit technology of training" (No. 152 of 20.04.2011 with amendments and additions No. 563 of 12.10. 2018)

Standard rules of activity of educational organizations implementing educational programs of higher education. Resolution of the Government of the Republic of Kazakhstan dated April 7, 2017 (with amendments No. 895 dated December 27, 2018)

No. 181. Qualification directory of positions of managers, specialists and other employees approved by the Order of the Minister of Labor and Social Protection of the Population of the Republic of Kazakhstan dated May 21, 2012 No. 201-p-m (with amendments No. 553 dated December 30, 2020).

3. KEY COMPETENCIES

Meeting the modern requirements of higher education, the graduating department reviewed and approved a document defining the general competence of the graduate of the Educational Program (OP) "Accounting and Auditing" - the graduate's competence model.

The competence model of a graduate of OP 6B04103 Accounting and auditing is based on the State Educational Institution of the Republic of Kazakhstan and consists of the following competencies

The general scheme of the formation of students' competencies during the development of the educational program

Basic competencies	Learning result
<p>KK1: To have an idea about the role of science and education in public life, about current trends in the development of scientific knowledge, about current methodological and philosophical problems of natural (social, humanitarian, economic) sciences</p>	<p>ON1: Demonstrate developing knowledge and understanding in the field under study, based on advanced knowledge of this field, when developing and (or) applying ideas in the context of research</p> <p>ON2: To apply at a professional level their knowledge, understanding and abilities to solve problems in a new environment, in a broader interdisciplinary context</p> <p>ON4: Clearly and unambiguously communicate information, ideas, conclusions, problems and solutions to both specialists and non-specialists</p> <p>ON5: Learning skills necessary for independent continuation of further education in the field of study</p>
<p>KK2: Know the methodology of scientific cognition, principles and structure of the organization of scientific activity</p>	<p>ON4: Identify factors affecting the technical and economic efficiency of production, make decisions and evaluate their effectiveness</p> <p>ON6: Be able to critically comprehend the latest phenomena in theory and practice, be able to interpret the results at a high level</p> <p>ON7: Demonstrate the ability to think, implement and adapt the existing research process with a scientific approach</p> <p>ON8: Demonstrate the ability of evaluation in analyzing new, existing ideas</p>
<p>KK3: Possess psychological methods and means of improving the effectiveness and quality of education; know the psychology of cognitive activity of students in the learning process</p>	<p>ON1: Demonstrate developing knowledge and understanding in the field under study, based on advanced knowledge of this field, when developing and (or) applying ideas in the context of research</p> <p>ON2: To apply at a professional level their knowledge, understanding and abilities to solve problems in a new environment, in a broader interdisciplinary context</p> <p>ON3: Demonstrate oral and written communication skills, including foreign language, adapt to the</p>

	<p>conditions of changing social, economic, professional roles of a specialist due to real production conditions, promotion through the service hierarchy, as well as to a change of profession</p> <p>ON4: Clearly and unambiguously communicate information, ideas, conclusions, problems and solutions to both specialists and non-specialists</p>
<p>KK 4: Possess the skills of using the acquired knowledge for the original development and application of ideas in the context of scientific research</p>	<p>ON1: Demonstrate developing knowledge and understanding in the field under study, based on advanced knowledge of this field, when developing and (or) applying ideas in the context of research</p> <p>ON2: To apply at a professional level their knowledge, understanding and abilities to solve problems in a new environment, in a broader interdisciplinary context</p> <p>ON3: Demonstrate oral and written communication skills, including foreign language, adapt to the conditions of changing social, economic, professional roles of a specialist due to real production conditions, promotion through the service hierarchy, as well as to a change of profession</p> <p>ON4: Clearly and unambiguously communicate information, ideas, conclusions, problems and solutions to both specialists and non-specialists</p>
<p>KK 6: Be able to integrate knowledge gained in different disciplines to solve research problems in new unfamiliar conditions</p>	<p>ON2: Apply their knowledge, understanding and abilities at a professional level to solve problems in a new environment, in a broader interdisciplinary context</p> <p>ON3: To collect and interpret information to form judgments taking into account social, ethical and scientific considerations</p> <p>ON4: Clearly and unambiguously communicate information, ideas, conclusions, problems and solutions to both specialists and non-specialists</p> <p>ON6: Be able to critically comprehend the latest phenomena in theory and practice, be able to interpret the results at a high level</p>
<p>KK8: Be able to apply the knowledge of pedagogy and psychology of higher education in their teaching activities, apply interactive teaching methods</p>	<p>ON1: Demonstrate developing knowledge and understanding in the field under study, based on advanced knowledge of this field, when developing and (or) applying ideas in the context of research</p> <p>ON2: To apply at a professional level their knowledge, understanding and abilities to solve problems in a new environment, in a broader interdisciplinary context</p> <p>ON4: Clearly and unambiguously communicate information, ideas, conclusions, problems and solutions to both specialists and non-specialists</p> <p>ON5: Learning skills necessary for independent continuation of further education in the field of</p>

	study
KK10: Be fluent in a foreign language at a professional level, which allows conducting scientific research and teaching special disciplines in universities	<p>ON1: Demonstrate developing knowledge and understanding in the field under study, based on advanced knowledge of this field, when developing and (or) applying ideas in the context of research</p> <p>ON2: To apply at a professional level their knowledge, understanding and abilities to solve problems in a new environment, in a broader interdisciplinary context</p> <p>ON5: Learning skills necessary for independent continuation of further education in the field of study</p> <p>ON6: Be able to critically comprehend the latest phenomena in theory and practice, be able to interpret the results at a high level</p>
KK11: Be able to summarize the results of research and analytical work in the form of a dissertation, scientific article, report, analytical note, etc., have the skills of research activities, solving standard scientific problems	<p>ON5: Learning skills necessary for independent continuation of further education in the field of study</p> <p>ON6: Be able to critically comprehend the latest phenomena in theory and practice, be able to interpret the results at a high level</p> <p>ON7: Demonstrate the ability to think, implement and adapt the existing research process with a scientific approach</p> <p>ON8: Demonstrate the ability of evaluation in analyzing new, existing ideas</p>
KK13: He is able to generalize and critically evaluate the results obtained by domestic and foreign researchers, identify promising areas, and draw up a research program	<p>ON5: Learning skills necessary for independent continuation of further education in the field of study</p> <p>ON6: Be able to critically comprehend the latest phenomena in theory and practice, be able to interpret the results at a high level</p> <p>ON7: Demonstrate the ability to think, implement and adapt the existing research process with a scientific approach</p> <p>ON8: Demonstrate the ability of evaluation in analyzing new, existing ideas</p> <p>ON12: Be able to deeply analyze socially significant problems and processes and use the methods of socio – humanities and fundamental sciences in their work</p>
KK14: Able to substantiate the relevance, theoretical and practical significance of the chosen topic of scientific research	<p>ON3: Demonstrate oral and written communication skills, including foreign language, adapt to the conditions of changing social, economic, professional roles of a specialist due to real production conditions, promotion through the service hierarchy, as well as to a change of profession</p> <p>ON4: Identify factors affecting the technical and economic efficiency of production, make decisions and evaluate their effectiveness</p> <p>ON5: Learning skills necessary for independent</p>

	<p>continuation of further education in the field of study</p> <p>ON6: Be able to critically comprehend the latest phenomena in theory and practice, be able to interpret the results at a high level</p>
<p>KK15: Able to conduct independent research in accordance with the developed program</p>	<p>ON3: To collect and interpret information for the formation of judgments taking into account social, ethical and scientific considerations</p> <p>ON4: Identify factors affecting the technical and economic efficiency of production, make decisions and evaluate their effectiveness</p> <p>ON6: Be able to critically comprehend the latest phenomena in theory and practice, be able to interpret the results at a high level</p> <p>ON7: Demonstrate the ability to think, implement and adapt the existing research process with a scientific approach</p> <p>ON12: Be able to deeply analyze socially significant problems and processes and use the methods of socio – humanities and fundamental sciences in their work</p>
<p>KK16: Is able to present the results of the research to the scientific community in the form of an article or report</p>	<p>ON3: To collect and interpret information to form judgments taking into account social, ethical and scientific considerations</p> <p>ON4: Clearly and unambiguously communicate information, ideas, conclusions, problems and solutions to both specialists and non-specialists</p> <p>ON7: Demonstrate the ability to think, implement and adapt the existing research process with a scientific approach</p> <p>ON8: Demonstrate the ability of evaluation in analyzing new, existing ideas</p> <p>ON10: Be able to operate with large amounts of scientific information, independently work with its various sources, process the results obtained, analyze and comprehend them taking into account the available statistical and reporting data</p>
<p>KK17: Is able to independently prepare assignments and develop design solutions taking into account the uncertainty factor, develop appropriate methodological and regulatory documents, as well as proposals and measures for the implementation of developed projects and programs</p>	<p>ON2: Apply their knowledge, understanding and abilities at a professional level to solve problems in a new environment, in a broader interdisciplinary context</p> <p>ON3: To collect and interpret information to form judgments taking into account social, ethical and scientific considerations</p> <p>ON4: Clearly and unambiguously communicate information, ideas, conclusions, problems and solutions to both specialists and non-specialists</p> <p>ON7: Demonstrate the ability to think, implement and adapt the existing research process with a scientific approach</p> <p>ON9: Be able to make business plans for innovative projects, calculate the economic</p>

	<p>justification of the enterprise management strategy and increase its competitiveness</p> <p>ON10: Be able to operate with large amounts of scientific information, independently work with its various sources, process the results obtained, analyze and comprehend them taking into account the available statistical and reporting data</p>
<p>KK21: Able to analyze and use various sources of information for economic calculations</p>	<p>ON5: Learning skills necessary for independent continuation of further education in the field of study</p> <p>ON6: Be able to critically comprehend the latest phenomena in theory and practice, be able to interpret the results at a high level</p> <p>ON7: Demonstrate the ability to think, implement and adapt the existing research process with a scientific approach</p> <p>ON8: Demonstrate the ability of evaluation in analyzing new, existing ideas</p> <p>ON11: Be able to build and use models to describe and predict processes, phenomena, situations, while carrying out their qualitative quantitative analysis and synthesis</p>
<p>KK26: Is able to develop curricula, programs and appropriate methodological support for teaching economic disciplines in professional educational organizations, educational institutions of higher education, additional professional education</p>	<p>ON1: Demonstrate developing knowledge and understanding in the field under study, based on advanced knowledge of this field, when developing and/or applying ideas in the context of research</p> <p>ON2: To apply at a professional level their knowledge, understanding and abilities to solve problems in a new environment, in a broader interdisciplinary context</p> <p>ON3: To collect and interpret information to form judgments taking into account social, ethical and scientific considerations</p> <p>ON5: Learning skills necessary for independent continuation of further education in the field of study</p>
<p>Professional competencies</p>	<p>Learning result</p>
<p>KK5: Be able to critically analyze existing concepts, theories and approaches to the analysis of processes and phenomena</p>	<p>ON3: To collect and interpret information for the formation of judgments taking into account social, ethical and scientific considerations</p> <p>ON4: Clearly and unambiguously communicate information, ideas, conclusions, problems and solutions to both specialists and non-specialists</p> <p>ON7: Demonstrate the ability to think, implement and adapt the existing research process with a scientific approach</p> <p>ON8: Demonstrate the ability of evaluation in analyzing new, existing ideas</p>
<p>KK7: Be able to make judgments and make decisions based on incomplete or limited information by integrating knowledge, be able to think creatively and creatively approach new</p>	<p>ON3: To collect and interpret information to form judgments taking into account social, ethical and scientific considerations</p> <p>ON4: Clearly and unambiguously communicate</p>

<p>problems and situations</p>	<p>information, ideas, conclusions, problems and solutions to both specialists and non-specialists ON5: Learning skills necessary for independent continuation of further education in the field of study ON6: Be able to critically comprehend the latest phenomena in theory and practice, be able to interpret the results at a high level</p>
<p>KK9: Possess the skills of carrying out information-analytical and information-bibliographic work with the involvement of modern information technologies</p>	<p>ON3: To collect and interpret information to form judgments taking into account social, ethical and scientific considerations ON5: Learning skills necessary for independent continuation of further education in the field of study ON7: Demonstrate the ability to think, implement and adapt the existing research process with a scientific approach ON8: Demonstrate the ability of evaluation in analyzing new, existing ideas</p>
<p>KK12: Have the skills to carry out educational and pedagogical activities on credit technology of training, methods of teaching professional disciplines, the use of modern information technologies in the educational process</p>	<p>ON1: Demonstrate developing knowledge and understanding in the field under study, based on advanced knowledge of this field, when developing and/or applying ideas in the context of research ON2: To apply at a professional level their knowledge, understanding and abilities to solve problems in a new environment, in a broader interdisciplinary context ON3: To collect and interpret information to form judgments taking into account social, ethical and scientific considerations ON7: Demonstrate the ability to think, implement and adapt the existing research process with a scientific approach</p>
<p>KK18: Able to evaluate the effectiveness of projects taking into account the uncertainty factor</p>	<p>ON4: Identify factors affecting the technical and economic efficiency of production, make decisions and evaluate their effectiveness ON5: Learning skills necessary for independent continuation of further education in the field of study ON6: Be able to critically comprehend the latest phenomena in theory and practice, be able to interpret the results at a high level ON7: To develop strategic plans for the development of the enterprise, to collect and analyze the initial data necessary for calculating financial and socio-economic indicators in business activities ON9: Be able to make business plans for innovative projects, calculate the economic justification of the enterprise management strategy and increase its competitiveness</p>
<p>KK19: Able to develop strategies for the</p>	<p>ON2: Apply their knowledge, understanding and</p>

<p>behavior of economic agents in various markets</p>	<p>abilities at a professional level to solve problems in a new environment, in a broader interdisciplinary context</p> <p>ON3: To collect and interpret information to form judgments taking into account social, ethical and scientific considerations</p> <p>ON6: Be able to critically comprehend the latest phenomena in theory and practice, be able to interpret the results at a high level</p> <p>ON8: Demonstrate the ability of evaluation in the analysis of new, existing ideas</p> <p>ON13: Be able to predict the development of financial market conditions, evaluate the behavior of financial market participants at the macro, meso and micro levels, exercise control, supervision and management in the financial system</p>
<p>KK20: He is able to prepare analytical materials for the evaluation of economic policy measures and strategic decision-making at the micro and macro levels</p>	<p>ON5: Learning skills necessary for independent continuation of further education in the field of study</p> <p>ON6: Be able to critically comprehend the latest phenomena in theory and practice, be able to interpret the results at a high level</p> <p>ON7: Demonstrate the ability to think, implement and adapt the existing research process with a scientific approach</p> <p>ON8: Demonstrate the ability of evaluation in analyzing new, existing ideas</p> <p>ON12: Be able to deeply analyze socially significant problems and processes and use the methods of socio – humanities and fundamental sciences in their work</p> <p>ON13: Be able to predict the development of financial market conditions, evaluate the behavior of financial market participants at the macro, meso and micro levels, exercise control, supervision and management in the financial system</p>
<p>KK22: Is able to make a forecast of the main socio-economic indicators of the enterprise, industry, region and the economy as a whole</p>	<p>ON2: To apply at a professional level their knowledge, understanding and abilities to solve problems in a new environment, in a broader interdisciplinary context</p> <p>ON5: Learning skills necessary for independent continuation of further education in the field of study</p> <p>ON6: Be able to critically comprehend the latest phenomena in theory and practice, be able to interpret the results at a high level</p> <p>ON7: Demonstrate the ability to think, implement and adapt the existing research process with a scientific approach</p> <p>ON8: Demonstrate the ability of evaluation in analyzing new, existing ideas</p>
<p>KK23: He is able to manage economic services</p>	<p>ON2: Apply their knowledge, understanding and</p>

<p>and divisions at enterprises and organizations of various forms of ownership, in state and municipal authorities</p>	<p>abilities at a professional level to solve problems in a new environment, in a broader interdisciplinary context</p> <p>ON4: Clearly and unambiguously communicate information, ideas, conclusions, problems and solutions to both specialists and non-specialists</p> <p>ON6: Be able to critically comprehend the latest phenomena in theory and practice, be able to interpret the results at a high level</p> <p>ON7: Demonstrate the ability to think, implement and adapt the existing research process with a scientific approach</p>
<p>KK24: Able to develop options for management decisions and justify their choice based on criteria of socio-economic efficiency</p>	<p>ON1: Demonstrate developing knowledge and understanding in the field under study, based on advanced knowledge of this field, when developing and/or applying ideas in the context of research</p> <p>ON2: To apply at a professional level their knowledge, understanding and abilities to solve problems in a new environment, in a broader interdisciplinary context</p> <p>ON5: Learning skills necessary for independent continuation of further education in the field of study</p> <p>ON8: Demonstrate the ability of evaluation in analyzing new, existing ideas</p> <p>ON11: Be able to build and use models to describe and predict processes, phenomena, situations, while carrying out their qualitative quantitative analysis and synthesis</p>
<p>KK25: Is able to apply modern methods and methods of teaching economic disciplines in professional educational organizations, educational institutions of higher education, additional professional education</p>	<p>ON1: Demonstrate developing knowledge and understanding in the field under study, based on advanced knowledge of this field, when developing and/or applying ideas in the context of research</p> <p>ON2: To apply at a professional level their knowledge, understanding and abilities to solve problems in a new environment, in a broader interdisciplinary context</p> <p>ON3: To collect and interpret information to form judgments taking into account social, ethical and scientific considerations</p> <p>ON5: Learning skills necessary for independent continuation of further education in the field of study</p>

Matrix of correspondence of graduate competencies and disciplines, practices of the educational program

№	Name of the discipline	Generated results (codes)
1	History and philosophy of science	ON1, ON2, ON3, ON6
2	Foreign language (professional)	ON1, ON2, ON3, ON12,
3	Higher school pedagogy	ON1, ON2, ON5, ON6
4	Management Psychology	ON1, ON2, ON5, ON6
5	Pedagogical practice	
6	Organization and management of production at the enterprise	ON4, ON7, ON8, ON11
7	The economy of the enterprise and its development strategy	ON4, ON7, ON8, ON11
8	Multilevel competitiveness	ON10, ON11, ON12
9	Strategic planning of competitive enterprises	ON7, ON9, ON10
10	Entrepreneurship and business	ON7, ON8, ON9
11	Advanced logistics	ON4, ON8, ON10, ON11
12	Economic security of the company	ON4, ON7, ON9, ON11
13	Financial Management (advanced course)	ON7, ON8, ON9, ON11
14	Information technologies in economics and business	ON7, ON8, ON9, ON11
15	Business planning of innovative projects	ON7, ON9, ON10, ON11
16	Tax management	ON4, ON7, ON10, ON11
17	Research practice	
18	Financial institutions of the Republic of Kazakhstan and prospects for their development	ON4, ON7, ON8, ON13
19	Financial and economic analysis of the enterprise	ON4, ON7, ON8, ON10, ON13
20	Actual problems of the national economy: micro- and macro-level	ON10, ON11, ON12, ON13
21	Micro-macroeconomic analysis	ON7, ON8, ON10, ON11, ON12
22	Management of innovation processes in the industry of the Republic of Kazakhstan	ON4, ON9, ON10, ON11, ON12
23	Financial management in the industry	ON4, ON7, ON8, ON13
24	Management accounting and analysis	ON4, ON7, ON8, ON11
25	Controlling and cost management of the enterprise	ON4, ON7, ON8, ON10, ON11
26	Research work (R&D)	
27	Preparation and defense of a master's thesis	