

THE MINISTRY OF SCIENCE AND HIGHER EDUCATION REPUBLIC OF KAZAKHSTAN
KORKYT ATA KYZYLORDA UNIVERSITY



GRADUATE MODEL

Educational program: 7M05247- Ecology

Kyzylorda, 2023 y

CONTENT

Introduction

1. DescriptionEP
 2. he constituent componentsin the formation of the graduate model of the educational program
 - 2.1. Purpose of the Educational Program
 - 2.2. Objectives of the Educational Program
 - 2.3. General and professional competencies
 - 2.4. The matrix of correlation of learningout comes of the educational program with the competencie sbeing formed
 - 2.5. Personal qualities of a specialist
- Қорытынды/ Выводы/ Conclusions

INTRODUCTION

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 (bachelor'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 graduate model that meets the needs of stakeholders and all interested parties is the main strategic goal of Korkyt Ata University and is provided with the necessary resources for the educational process, including personnel, educational, methodological, informational and logistical support. The University conducts a targeted personnel policy and systematic improvement of the material and technical base of the university to ensure the quality of training of a bachelor graduate in demand in the labor market.

1. DESCRIPTION EP

Conducts educational work in accordance with environmental programs and methods. It forms the students' ecological culture, environmental skills and willingness to apply them in practice. Develops working curricula and scientific and methodological materials on ecology, ensures their compliance with state standards (SES). Organizes students' participation in environmental activities, ecological expeditions and projects. Develops students' desire for environmental innovations, "green" technologies and inventive activities. Organizes the equipping of environmental laboratories with modern instruments, monitoring tools and visual aids. Provides configuration and efficient use of stationary and portable environmental devices. Responsible for compliance with safety and environmental regulations in field and laboratory research.

2. THE CONSTITUENT COMPONENTS IN THE FORMATION OF THE GRADUATE MODEL OF THE EDUCATIONAL PROGRAM

The key components of the formation of the graduate Model of the educational program include information about the goals and objectives of the educational program, objects, types and directions of professional activity, the competence model of a specialist (Appendix 1), including descriptors, a variety of competencies in accordance with the educational program, the results of the educational program.

2.1. PURPOSE OF THE EDUCATIONAL PROGRAM

The purpose of the 7M05247-Ecology educational program is to train specialists with a high level of scientific culture who are able to formulate and solve modern scientific and practical problems at the regional, national and global levels in the field of environmental protection and sustainable development of society.

2.2 OBJECTIVES OF THE EDUCATIONAL PROGRAM

- Training qualified personnel who meet the challenges of the country's innovative economy;
- Creating conditions for the development of science and innovation, attracting young people to the formation of new ideas;
- Increasing the contribution to the development of national unity, national culture and harmonious personality
 - Fostering entrepreneurial skills, leadership and managerial qualities - in the spirit of patriotism, friendship of the people of the Republic of Kazakhstan, tolerance

2.3 GENERAL AND PROFESSIONAL COMPETENCIES

GC1

Philosophy synthesizes and summarizes the results of practical and spiritual development of the world, the socio-cultural development of public life, possible strategies and ways of identifying and finding cultural identity.

GC2

The undergraduate will have spelling, lexical and grammatical competence.

GC3

Knowledge about the role of the education system, purpose, content, methods, principles of education, didactics of the school, forms of education, credit technology system, features of educational work in the school, the basics of the teacher's culture, get acquainted with information at various stages of development of the child, analyze its pedagogical features; acquire skills of mastering the requirements for the student's personality.

GC4

It forms the basis of psychological knowledge about the development of personality, knowledge of the laws and mechanisms of development of the human psyche, develop skills in analyzing the psychological characteristics of social communication

PC1

Forms knowledge of master's students in the field of development prospects and global and domestic experience of effective use of natural resources.

PC2

Formation of knowledge about the performance of master's students; means of ensuring the quality of the impact of social and environmental factors on human health and their normalization, characterizing the quality of the impact.

PC3

It forms the knowledge of master's students in the field of development prospects and the global and domestic experience of mastering environmental law and management.

PC4

Formation of the ability to carry out pedagogical activities in universities, design the educational process and conduct certain types of training using innovative educational technologies.

PC5

Forms the knowledge of master's students in the field of development prospects and global and domestic experience in preserving the environment and biological diversity.

PC6

The necessary education of master's students on the environmental problems of the present period is prepared by a highly qualified specialist of standardized quality.

PC7

Acquiring experience in the study of an actual scientific problem, expanding professional knowledge gained during training, and developing practical skills in conducting independent scientific work. The practice is aimed at developing the skills of research, analysis and application of economic knowledge.

3C8

Formation of the ability of master's students in higher education institutions to visualize and present in an understandable form the results of scientific research, together with environmentalists, IT specialists and government agencies; to express expert opinion in the process of environmental decision-making

PC9

Formation of knowledge about the performance of master's students; Means of describing the quality of equipment used for physical and chemical monitoring of the environment, and their standardization, impact on quality.

PC10

Formation of knowledge about the performance of master's students; quality.

Tools describing the quality of equipment used to monitor the ecology of environmental agrocenoses and their standardization.

PC11

The necessary education of master's students on the environmental problems of the present period is prepared by a highly qualified specialist of standardized quality.

PC12

In the course of studying this discipline, the master's students expands and deepens parts of the following competencies the ability to take part in the design of professional activity objects in accordance with the technical task and regulatory and technical documentation, observing various technical and environmental requirements, and the ability to justify design decisions.

PC13

Theoretical and practical training of master's students in the field of scientific research and inventive creativity. Methods for solving scientific problems, methodology of theoretical and experimental research; Processing of measurement results and error assessment; Formulation of the conclusions of the scientific study; Preparation of a report, report or article based on the results of a scientific study; Preparation of applications for the proposed inventions; Conclusion of empirical dependencies based on experimental data; Planning and management of research activities

2.4 THE MATRIX OF CORRELATION OF LEARNING OUTCOMES OF THE EDUCATIONAL PROGRAM WITH THE COMPETENCIES BEING FORMED

Құзыреттілік	PLO1	PLO2	PLO3	PLO4
GC1	+			
GC2	+			
GC3	+			
GC4	+			
PC 1		+		
PC 2		+		
PC3		+		
PC4				+
PC 5		+		
PC 6		+		
PC7		+		
PC8			+	+
КҚ 9/ПК 9/PC9				+
КҚ 10/ПК 10/PC10		+		
КҚ 11/ПК 11/PC11				+
КҚ 12/ПК 12/PC12		+		
КҚ 13/ПК 13/PC13				+
КҚ 14/ПК 14/PC14				+

2.5.PERSONAL QUALITIES OF A SPECIALIST

commitment
responsibility
initiative
sociability
decency
integrity
honesty
self-control
stresstolerance
politeness
patience

enthusiasm

CONCLUSIONS

This graduate model is the methodological basis for the implementation of the technology of the competence approach. It is also important to understand that the formation of these competencies in a graduate is ensured through a certain way organized and implemented educational process. In market conditions, universities are beginning to pay more attention to the quality of graduates: after all, a graduate is exactly the result of university education that enters the labor market. And it has to be competitive. It is in order to prepare graduates in demand on the market that it is necessary to form a comprehensive portrait of him, a certain matrix of characteristics. From understanding the key advantages, characteristics, and competencies of graduates that employers need, it is possible to move on to creating an effective modern university: to form educational programs, create infrastructure, and use new learning formats.