



NJSC SHAKARIM UNIVERSITY OF SEMEY

# **DEVELOPMENT PLAN EDUCATIONAL PROGRAM**

7M08101 - Agronomy

Semey

**NJSC "UNIVERSITY NAMED AFTER SHAKARIM OF SEMEY CITY "**



**APPROVED**  
Member of the Board - Vice-Rector for  
Academic affairs of I. Oralkanova

«14» 06 2023

**DEVELOPMENT PLAN OF EDUCATIONAL PROGRAM**

**7M08101 "Agronomy"**

for 2023-2025

Semey 2023

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**1. Passport of the Development Plan of Master's Program 7M08101 "Agronomy "**

1	Basis for development	Strategic plan of Shakarim University for 2021-2025 Faculty work plan
2	Implementation timeline	2023-2025
3	Expected implementation results	<ul style="list-style-type: none"><li>- provision of educational services at the level of world educational standards that ensure the competitiveness of graduates in the labor market;</li><li>- training of intellectually developed, creative specialists by integrating the educational process, scientific research and innovation;</li><li>- training of qualified and competitive personnel for forestry in accordance with the requirements of national and international standards</li></ul>

## **2. Analytical substantiation of the EP**

### **2.1 Information about the educational program**

The educational program is developed in accordance with the National Qualifications Framework and professional standards, in accordance with the Dublin Descriptors and the European Qualifications Framework. The typical term for mastering the educational program of the master's program is 2 years .

EP "7M08101-Agronomy" was developed by the Academic Committee.

Considered at a meeting of the Commission for Quality Assurance of the Faculty of Veterinary and Agromanagement (Protocol № 4.1 dated April 06, 2023 ) .

Approved at a meeting of the Academic Council of the University (Protocol № 8 dated April 25, 2023) .

The main criterion for the completion of the educational process for the preparation of masters of the scientific and pedagogical direction is the development by the student of at least 88 credits of theoretical training, including 6 credits of teaching practice, 13 credits of research practice, as well as at least 24 credits of research work of a master student, including an internship and completion of a master's thesis, at least 8 credits of the final certification. Only 120 credits.

The overall goal of the educational program is the formation of personal qualities in undergraduates, such as responsibility, tolerance, the desire for self-development and disclosure of their creative potential, awareness of the social significance of the profession of agronomy, the ability to make organizational and managerial decisions in non-standard situations and the willingness to bear responsibility for them, willingness to work in team.

Graduates of the educational program of the specialty 7M08101 "Agronomy" can perform the following types of professional activities:

- educational (pedagogical);
- scientific research;
- organizational and managerial.

The educational program 7M08101 "Agronomy" provides for the training of a master student with special educational needs in a higher educational institution, as well as his socialization and integration into society.

A graduate of this educational program is awarded the academic degree "Master of Agricultural Sciences in the educational program 7M08101-Agronomy".

Graduates can hold primary positions as an agronomist in research laboratories in the agricultural sector, as an agronomist in enterprises of various forms of ownership and in the processing industry without presenting requirements for work experience in accordance with the qualification requirements of the Qualification Directory for the positions of managers, specialists and other employees.

## 2.2 Information about students

<b>Academic year</b>	<b>2023-2024 academic year</b>	<b>2024-2025 academic year</b>
<b>Foundation of learning</b>		
	Master's degree	
Grant	3	4
Contract	3	4
<b>Total</b>	<b>6</b>	<b>8</b>

## 2.3 Internal and external conditions for the development of the EP

The teaching staff of the department is regularly engaged in the release of educational and methodological literature on the EP "Agronomy". The educational portal of the university also presents educational materials of disciplines in electronic format in the Kazakh language.

Professional practices of students are carried out in accordance with the approved end-to-end program of practices and generally meet the qualification requirements for training specialists in this field.

Issues of vocational training, professional practice and employment of graduates are resolved at the department with the obligatory participation of employers. Every year, round tables are held at the department, in which heads and representatives of city and district akimats, agricultural enterprises take part. The department organizes meetings with graduates-employers, seminars with practitioners.

According to the agreement between the universities, students of the EP are trained on academic mobility. Over the past five years, on academic mobility, students studied at the North Kazakhstan State University named after M. Kozybaev, West Kazakhstan Agrotechnical University named after. Zhangir Khan, NJSC "University of Toraigyrov". In the future, academic mobility of undergraduates in foreign universities is planned.

The educational department "Agriculture and bioresources" cooperates with the Agrarian University of Plovdiv, (Bulgaria), Russian State University named after Timiryazev, Voronezh State Agrarian University, Bashkir State Agrarian University, Novosibirsk State Agrarian University, Omsk State Agrarian University.

In March 2019, a memorandum of cooperation was signed with the Kazakh National Agrarian University, and in 2022 LLP " East - Kazakhstan agricultural experimental station.

In the 2022-2023 academic year in the EP , the Department of Agriculture and Bioresources introduced elements of dual education . The contract was concluded with the East Kazakhstan fruit and vegetable GSU branch of the RSU "State Commission for Variety Testing of Agricultural Crops" of the Ministry of Agriculture of the Republic of Kazakhstan. The department developed Regulations on the creation of a branch of the department.

Sociological surveys are conducted annually, for example, among graduates of the University, "On working conditions and the quality of management of the educational process at Shakarim State University ", "Population, employers of Semey on the quality of education and the demand for specialists, incl. State University named after Shakarim ", " Teaching staff on readiness and problems in updating the EP. During the monitoring, the results were obtained in the form of the opinion of the inhabitants of the region about the competencies of graduates of the State University named after Shakarim Semey , including the educational programs of the educational department "Agriculture and bioresources". The results of the study will be aimed at further improving the system of competencies of the above educational programs.

## 2.4 Information about the teaching staff implementing the educational program

<b>№</b>	<b>Indicators</b>	<b>Unit .</b>	<b>2023-2024 academic year</b>	<b>2024-2025 academic year</b>
1	Share of teaching staff with a degree in EP	%	100	100
2	Including the share of teaching staff with a scientific degree in the BD/IC cycle	%	100	100

## 3. The main objectives of the EP development plan

For the effective implementation of the EP, the following tasks are defined:

<b>No.</b>	<b>Task name</b>	<b>Development timeline</b>	<b>Stages of development</b>
1	Improving and improving the conditions for obtaining a full-fledged, high-quality professional education.	the entire period of study.	Development of measures to improve educational services for the development of professional skills.
2	Updating the content of educational programs that form the basic professional competencies of future agricultural specialists.	the entire period of study.	When updating the content of educational programs, include disciplines recommended by employers



3	Creation of prerequisites for independent search and research activities of the student in the framework of the experiment at all stages of his education.	the entire period of study.	Inclusion of conducting research and experimental work in the study of educational programs
4	Development of measures for the development of work with scientific and technical information using domestic and foreign experience in professional activities.	the entire period of study.	Carrying out activities for the analysis and processing of the results
5	Consultations of employers and scientists of scientific research institutes when choosing relevant and practically significant topics for dissertations.	Completion of studies in the magistracy.	Suggestions from employers, stakeholders and management advice

#### 4. Risk analysis of the EP

No	Name of risks	Measures to eliminate
1	Reducing the contingent of students in the EP	Regular high-quality professional orientation work
2	Insufficient level of knowledge of the language for the introduction of multilingualism .	Increasing the participation of students and teachers in language courses
3	Decrease in the level of employment	Communication with institutions, organizations that have a high opportunity for internship and further employment
4	Insufficient development of external and internal academic mobility of students and teaching staff	Increasing the involvement of teaching staff and students in external and internal academic mobility

5	The risk of reducing the degree of teaching staff for EP	Increase number of teaching staff enrolled in targeted doctoral studies, activation of the work of teachers who do not have an academic title
6	Low number of publications in cited journals	Increasing the number of articles in scientific journals
7	Lack of funded research topics.	Increasing the number of projects on research topics

### 5. Action plan for the development of the EP

No	Criteria	Expected results	Unit rev.	2023-2024	2024-2025
<b>Direction 1. Educational and methodological support</b>					
1.1	Updating the educational program based on professional standards , taking into account the recommendations of employers	Conducting an examination of the Educational program "7M 08101-Agronomy" in order to increase practice orientation and develop the professional competencies of graduates	fact	+	+
1.2	Monitoring and updating catalogs of elective disciplines in accordance with the development of key and professional competencies, labor market demands .	Improving the quality of the content of educational programs by including elective courses aimed at developing the key and professional competencies of graduates in accordance with the demands of the labor market.	fact	+	+

1.3 _	Introduction into the educational process of modern learning technologies that contribute to the development of cognitive activity, communicative ability of students	Improving the quality of teaching academic disciplines, taking into account the novelty and diversity of forms of work that contribute to the development of cognitive activity.	fact	+	+
1.3.1	Introduction to the educational process of massive open online courses (MOOCs) under the educational program "7M08101-Agronomy".	Introduction of disciplines into the educational process Improving the quality of teaching academic disciplines, taking into account the novelty and diversity of forms of work that contribute to the development of cognitive activity.	Unit	-	1
1.4 _	Involvement of social partners and employers in the development, examination of the implementation of educational programs	Improving the quality of ongoing educational programs, taking into account market demands and employers' recommendations	units	2	2
1.5 _	Development and implementation of elective courses in English	Introduction to the educational process of disciplines in English	units	-	-
1.6 _	Conducting seminars and round tables on the application of innovative technologies in the educational process	Implementation of innovative technologies in the educational process	Unit	1	1
1.7 _	Publication of educational, educational - methodical and scientific literature on implemented EPs	Improvement of educational and methodological support in the disciplines of ongoing educational programs	Unit	1	2

1.8	Conclusion of agreements with foreign and domestic universities - partners in order to develop the academic exchange of students of all levels and teaching staff	Creation of a database of foreign and domestic universities - partners for the development of academic exchange of students of all levels and faculty	Unit	1	1
1.9	Invitation of students from partner universities to study for a semester, short-term internships, practice, etc.	Development of international recognition of educational programs, implementation of academic mobility programs for students	Person	-	1
1.10	Participation of teaching staff and students in international academic exchange programs	Development of international cooperation with foreign universities implementing educational programs in the field agronomy	Person	-	1
1.11	Development of outgoing academic mobility of teaching staff and students in the direction of agronomy	Improvement of the educational program based on the use of experience in the implementation of such programs in the leading universities of the Republic of Kazakhstan.	Person	1	1
<b>Direction 2. Teaching staff</b>					
2.1	Professional development and training of scientific and pedagogical personnel for the implementation of educational programs once every 5 years	The share of teaching staff who have undergone advanced training at the republican level is at least 20%	Person	1	2

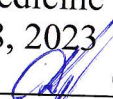
2.2	Passage of advanced training, retraining, internships of teaching staff at the international level	Walkthrough at least 2 teachers professional development programs, retraining, internships for teaching staff at the international level	Person	-	1
2.3	Web databases of Science and Scopus	Web databases of Science and Scopus - at least 30% of the total number of teaching staff	%	1	2
2.4	Involvement of specialists in the practical field of activity in teaching and scientific activities	Participation in the implementation of educational programs of practitioners (at least 20% of specialists)	%	1	1
<b>Direction 3. Internationalization of educational programs</b>					
3.1	Conclusion of agreements on international cooperation with foreign universities	Implementation of joint projects, preparation of scientific publications with foreign partners, creation of bases for scientific internships for students	Unit	-	1
3.2	Attracting foreign students to study under the educational program "7M08101-Agronomy"	Increasing the number of foreign students	Person	-	1
3.3	Organization of joint scientific and practical events with international partners	Increasing the efficiency of scientific and scientific-methodical activities of teaching staff, exchange of experience with foreign partners	units	1	1

3.4	Invitation of foreign experts for lectures and consultations on master's projects and dissertations	Improving the content component of educational programs based on the introduction of the experience of foreign specialists in the implementation of educational programs	Unit	1	1
3.5	Expansion of cooperation with leading foreign scientific and educational organizations in order to attract the most qualified foreign specialists to the implementation of educational programs	Formation of key and professional competencies in accordance with the practice of leading universities	Person	1	1
<b>Direction 4. Logistics and digitalization</b>					
4.1	Gradual equipping of classrooms with technical teaching aids (projectors, panels, interactive and multimedia boards, multifunctional devices, webcam, projector screen, etc. )	Equipping classrooms assigned to the department with technical teaching aids (projectors, panels, interactive and multimedia boards, multifunctional devices, webcam, projector screen )	Unit	1	2
4.2	Carrying out automation of the educational process (testing, session management, movement of the undergraduate contingent, dean's office, department, teaching staff load, schedule, library, syllabuses )	Information management based on the automation of the educational process (testing, session management, movement of the contingent of students, dean's office, department, teaching staff load, schedule, library, syllabuses )	fact	100 %	100 %

4.3	Replenishment of the full-text database of the results of scientific research of teaching staff and students, teaching staff (articles, monographs, etc.)	An increase in the number of results of scientific works of scientists, research of teaching staff and students, teaching staff (articles, monographs, etc.)	Unit	2	3
4.4	Expansion of the fund of scientific and educational literature, including on electronic media on ongoing educational programs	Ensuring the implementation of educational programs based on modern educational and information resources, including on electronic media	%	100	100
4.5	Monitoring the filling and improvement of the faculty website	Formation of the website of the faculty on various aspects of the implementation of educational programs	%	100	100

Head of the Department  Nurzhanova K.Kh.

**CONSIDERED**

at a meeting of the Commission for Quality Assurance of the Faculty of Veterinary Medicine and Agromanagement  
 Protocol №. 6 of June 08, 2023  
 Chairman of CQA  G. Jamanova

**AGREED**

Faculty Dean  N. Yesengulova

June 14, 2023

