



NJSC SHAKARIM UNIVERSITY OF SEMEY

DEVELOPMENT PLAN EDUCATIONAL PROGRAM

6B08201 - Technology of livestock products production

Semey

NON-PROFIT LIMITED COMPANY «SEMEY UNIVERSITY NAMED AFTER SHAKARIM»

APPROVED

Member of the board - vice rector for academic
affairs



I. Oralkanova

«14» 06 2023

EDUCATIONAL PROGRAM DEVELOPMENT PLAN

6B08201 «Technology of livestock products production»

for 2023-2025

Semey 2023

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1. Passport of the Development plan of the Bachelor's degree program "Technology of animal products production"

1	The basis for the development	Strategic Plan of Shakarim University for 2021-2025 Faculty work plan
2	Developed by the Academic Committee of the OP	<p>Head of AK: Yesengulova Nurlygul Zhansapovna Dean of the Faculty of Veterinary Medicine and Agricultural Management</p> <p>OP Manager: Nusupov Amanzhan Maksutkanovich – senior lecturer of the Department "Agriculture and Bioresources"</p> <p>AK members: Nurzhanova Kulsara Halimardenovna - Head of the Department "Agriculture and Bioresources", Akhmetova Balnur Serikovna - senior lecturer of the Department "Agriculture and Bioresources", Semeybekova Almira - student of the group TJ-021, Akhmetbekov Bekzhan - student of the group TJ-101.</p> <p>Employers: Gurovsky Vladimir Vladimirovich – chief zootechnician of the farm "Zarya" of the Shemonaykhinsky district of East Kazakhstan region, Kamzin Ersin, Serikovich - director of the SEC "Al-Dos" Semey city, Abay region.</p>
3	Terms of implementation	2023-2027 гг.
4	Expected results of implementation	<p>- provision of educational services at the level of world educational standards, ensuring the competitiveness of graduates in the labor market;</p> <p>-training of intellectually developed, creative specialists through the integration of the educational process, scientific research and innovation;</p> <p>--training of qualified and competitive personnel for agriculture in accordance with the requirements of national and international</p>

2. Analytical justification of the educational program

2.1 Information about the educational program

The educational program has been developed in accordance with the National Qualifications Framework and Professional Standards, according to the Dublin Descriptors and the European Qualifications Framework. The typical period of mastering the bachelor's degree program is 4 years.

EP 6B08201 "Technology of livestock products production" was developed by the Academic Committee and reviewed at a meeting of the Quality Assurance Commission of the Faculty of Veterinary Medicine and Agricultural Management (Protocol No. 4.1 of April 6, 2023)

Approved at the meeting of the Academic Council of the University (Protocol No. 8 of April 25, 2025).

The main criterion for the completion of the educational process is the development of at least 240 credits, with the award of a Bachelor of Agriculture degree in the educational program "6B08201 - Technology of animal products production".

The overall goal of the educational program is to train competent and competitive agricultural specialists who possess modern technologies for the production of livestock products and meet the requirements of the labor market.

The educational program 6B08201 "Technology of animal products production" provides for the training of a student with special educational needs in a higher educational institution, as well as his socialization and integration into society.

The graduate of this educational program is awarded the academic degree "Bachelor of Agriculture". Graduates can hold the following positions: zootechnician, zootechnician–breeder in breeding plants, farms and collective farms, joint-stock companies, production cooperatives, complexes, poultry farms and racetracks; inspector for the evaluation of livestock products, breeding business; technologist-manager of the organization of livestock production; specialist in state institutions of the Ministry of Agriculture of the Republic of Kazakhstan; IT geneticist.

2.2 Information about students

Academic year The basis of training	2023-2024 academic year	2024-2025 academic year	2025-2026 academic year	2026-2027 academic year
Grant	30	35	42	50
Contract		5	6	7
Total	30	40	48	57

2.3 Internal and external conditions for the development of OP

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

Professional practices of students are conducted according to the approved end-to-end program of practices and generally meet the qualification requirements for training specialists of this profile.

The issues of vocational training, professional practice and employment of graduates are solved at the department with the mandatory participation of employers. Every year round tables are held at the department, which are attended by heads and representatives of city and district akimats, agricultural enterprises. The department organizes meetings with graduates-employers, seminars with practitioners.

According to the agreement between the universities, students of the EP are trained in academic mobility. Over the past five years, 24 students have studied academic mobility at partner universities: the Agrarian University of Plovdiv (Bulgaria), S.Toraighyrov Pavlodar State University, M.Kozybayev North Kazakhstan State University.

The Department of Agriculture and Bioresources cooperates with the Agrarian University of Plovdiv, (Bulgaria), the 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.

In the 2022-2023 academic year, the educational department "Agriculture and Bioresources" introduced elements of dual education for students of 2-3 courses. Contracts were concluded with the Scientific Agrarian Center and the farm "Nur" of East Kazakhstan region. The department has developed a regulation on the establishment of a branch of the department in these farms.

Sociological surveys are conducted annually, for example, of University graduates, "On working conditions and the quality of educational process management at the State University of Them.Shakarima", "The population, employers of Semey about the quality of education and the demand for specialists, including GU im.Shakarima", "PPP on readiness and problems in updating the OP". During the monitoring, the results were obtained in the form of the opinion of the residents of the region about the competencies of graduates of the Shakarim Semey State University, including educational programs of the educational department "Agriculture and Bioresources". The results of the study will be aimed at further improving the competence system of the above-mentioned educational programs.

2.4 Information about teaching staff implementing the educational program

№	Indicators	Ed.ed.	2023-2024 academic year	2024-2025 academic year	2025-2026 academic year	2026-2027 academic year
1	The share of teaching staff with an academic degree in OP	%	68	73	80	85

2.5 Characteristics of the achievements of the EP

EP 6B08201 "Technology of livestock products production" in the rating of educational programs of higher education institutions took 7th place in 2021, 4th place in 2022 and entered the TOP 10 of the EP.

3. The main objectives of the OP development plan

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

No	Task name	Terms of development	Stages of development
1	Improvement and improvement of conditions for obtaining a full-fledged, high-quality professional education.	The entire training period.	Development of measures to improve educational services for the development of professional skills.
2	Updating the content of educational programs that form the main professional competencies of future agricultural specialists.	The entire training period.	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 within the framework of the experiment at all its stages of training.	The entire training period.	Inclusion of search and research and experimental work in the study of educational programs
4	Development of measures for mastering work with scientific and technical information using domestic and foreign experience in professional activities.	The entire training period.	Carrying out activities to analyze and process the results
5	Consultations of employers and scientists of the Research Institute when choosing relevant and practically significant topics of theses.	Completion of Master's degree.	of the proposals of employers, interested persons and consulting managers

4. EP risk analysis

№	Name of risks	Measures to eliminate
1	Reduction of the contingent of students in the EP	Regular high-quality career guidance work
2	Insufficient level of knowledge of the language for the introduction of multilingualism.	Increasing the participation of undergraduates and teachers in language courses
3	Decrease in the level of employment	Communication with institutions and organizations that have a high possibility of practical training and further employment
4	Insufficient development of external and internal academic mobility of undergraduates and teaching staff	Increasing the involvement of teaching staff and undergraduates in external and internal academic mobility
5	The risk of reducing the settlement of PPS in the EP	An increase in the number of teaching staff studying for a targeted doctoral program, the 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

№	Criteria	Expected results	Ed. ed.	2023- 2024	2024- 2025	2025- 2026	2026- 2027
Direction 1. Educational and methodological support							
1.1	Updating the educational program based on professional standards, taking into account the recommendations of employers	Conducting an examination of the Educational program "6B08201 - Technology of animal products production" in order to improve the practice orientation and development of professional competencies of graduates	fact	+	+	+	+
1.2	Monitoring and updating catalogs of elective disciplines in accordance with the development of key and professional competencies, the demands of the labor market	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 of modern learning technologies into the educational process, contributing to the development of cognitive activity, communicative ability of students	Improving the quality of teaching academic disciplines, taking into account the novelty and variety of forms of work that contribute to the development of cognitive activity.	fact	+	+	+	+

1.3.1	Introduction into the educational process of mass open online courses (MOOCs) on the educational program "6B08201 - Technology of animal products production"	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.	ed	-	1	3	7
1.4	Involvement of social partners and employers in the development, examination of the implementation of educational programs	Improving the quality of educational programs implemented taking into account market demands and recommendations of employers	ed	1	2	2	3
1.5	Development and implementation of elective courses in English	Introduction of disciplines in English into the educational process	ed	-	-	2	2
1.6	Conducting seminars and round tables on the application of innovative technologies in the educational process	Introduction of innovative technologies in the educational process	ed	3	4	6	7
1.7	Publication of educational, methodical and scientific literature on the implemented OP	Improvement of educational and methodological support in the disciplines of the implemented educational programs	ed	1	2	2	3
1.8	Conclusion of contracts with foreign and domestic partner universities in order to develop academic exchange of students of all levels and teaching staff	Creation of a database of foreign and domestic partner universities for the development of academic exchange of students of all levels and teaching staff	ed.	1	1	2	2

1.9	Inviting students from partner universities to study for a semester, short-term internships, internships, etc.	Development of international recognition of educational programs, implementation of academic mobility programs for students	dude.	2	2	3	4
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 of technology of production of animal products	dude.	1	1	2	2
1.11	Development of outgoing academic mobility of teaching staff and students in the direction of livestock production technology"	Improvement of the educational program based on the use of the experience of implementing such programs in leading foreign universities	dude.	1	1	2	2
Direction 2. Teaching staff							
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 passed advanced training at the national and international level is at least 20%	dude.	1	2	2	3
2.2	Advanced training, retraining, internships of teaching staff at the international level	Completion of at least 2 teachers of the advanced training program, retraining, internships of teaching staff at the international level	dude.	-	1	2	2


2.3	Promotion of publications of the works of teaching staff in international publications indexed by the Web of Science and Scopus databases	Increase in the share of teaching staff who have published the results of scientific research in publications indexed by the Web of Science and Scopus databases – at least 30% of the total number of teaching staff	%	1	2	2	3
2.4	Involvement of practical specialists in teaching and scientific activities	Participation in the implementation of educational programs of practitioners (at least 20% of specialists)	%	2	3	3	4
Direction 3. Internationalization of educational programs							
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 of students	units	1	2	2	3
3.2	Attracting foreign students to study under the educational program "6B08201 - Technology of animal products production"	Increasing the number of foreign students	dude.	2	2	3	3
3.3	Organization of joint scientific and practical events with international partners	Improving the efficiency of scientific and methodological activities of teaching staff, exchange of experience with foreign partners	units	1	1	2	2

3.4	Invitation of foreign specialists to give lectures and consultations on master's projects and dissertations	Improvement of the content component of educational programs based on the introduction of the experience of foreign specialists in the implementation of educational programs	units	2	2	3	4
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	dude.	1	1	2	2
Direction 4. Logistics and digitalization							
4.1	Step-by-step equipment of classrooms with technical means of teaching (projectors, panels, interactive and multimedia whiteboards, multifunctional devices, webcam, projector screen, etc.)	Equipping classrooms assigned to the department with technical training tools (projectors, panels, interactive and multimedia boards, multifunctional devices, webcam, projector screen, etc.)	units	2	3	4	5
4.2	Automation of the educational process (testing, session management, student contingent movement, dean's office, department, teaching staff load, schedule, library, syllabuses)	Information management based on the automation of the educational process (testing, session management, student contingent movement, dean's office, department, teaching staff load, schedule, library, syllabuses)	fact	100 %	100 %	100 %	100 %

4.3	Replenishment of the full-text database of research results of teaching staff and students, teaching staff (articles, monographs, etc.)	Increase in the number of results of scientific works of scientists, research of teaching staff and students, teaching staff (articles, monographs, etc.)	units	2	3	4	5
4.4	Expansion of the fund of scientific and educational literature, including on electronic media for implemented educational programs	Ensuring the implementation of educational programs based on modern educational and information resources, including on electronic media	%	100	100	100	100
4.5	Monitoring the content and improvement of the faculty's website	Formation of the faculty's website on various aspects of the implementation of educational programs.	%	100	100	100	100

Head of the Department  K. Nurzhanova

REVIEWED

at the meeting of the Quality Assurance Commission of the Faculty of Veterinary and Agricultural Management
 Protocol No. 6 of June 08, 2023
 Chairman of the CC  G. Dzhamanova

AGREED

Dean of the Faculty  N. Yesengulova

"14" June 2023

