


Kazakh Agrotechnical Research University named after S.Seifullin

Considered
at the meeting
of the Faculty Council
Protocol № 3
« 29 » 09 2023

«APPROVED»
Dean Faculty of Agronomy
NJSC «S.Seifullina Kazakh Agrotechnical
Research University»


G.Zh.Stybaev
« 09 » 09 2023

**DEVELOPMENT PLAN
JOINT EDUCATIONAL PROGRAMS
6B08105 «ADVANCED AGRONOMIC SCIENCE»
(OHPE – partner – AgroParisTech (Institut des sciences et industries du vivant et de
l'environnement AgroParisTech), Paris, France)
For 2023-2027**

Astana, 2023

Development plan of the joint educational program "Advanced agronomic Science" (ОБПО – партнёр – AgroParisTech (Institut des sciences et industries du vivant et de l'environnement AgroParisTech), Paris, France) for 2023 – 2027.

AgroParisTech – the top university in France, which belongs to the highest and most prestigious schools of the Grand Ecole

Developers:

The team of authors of the OP - Stybaev G.Zh., Amantaev B.O., Kipshakbayeva G.A., Bruno Anselmo (Agroparizhtech - Paris Institute of Technology for Life Sciences, Food and Environment).

Invited:

Mukhanov Nurbolat Kayyrboldievich, PhD, Head of the Department of agriculture and diversification of agricultural crops, LLP «NPTS KH named after A.I. Baraev»;

Ashirbekova Inkar Adilbekovna, 1st PhD student. OP "Genetics and selection of agricultural crops" KazATRU named after S. Seifullin;

Pavel Vasilyevich Lushchak, Director of Naydorovskoye LLP.

Considered at the meeting of the Department of Agriculture and Crop
Production protocol № 1 от « 15 » 09 2023.

CONTENT

- 1 Characteristics of the educational program
 - 1.1 Internal conditions for the development of the educational program
 - 1.2 Information about the teaching staff implementing the educational program
- 2 Strategic directions, goals, objectives, target indicators, activities and performance indicators
- 3 Measures to reduce the impact of risks on the educational program

1 Characteristics of the educational program

The educational program 6B08105 "Advanced Agronomic Science" was developed to implement a cooperation agreement with AgroParisTech University aimed at improving the quality of educational services in the field of agriculture. The new educational program will allow you to gain in-depth knowledge in the academic environment with the possibility of applying them while continuing the postgraduate education program at domestic and international universities.

A feature of the implemented program is to provide training for specialists with in-depth fundamental knowledge, which is the basis of professional competencies in accordance with the requirements of employers in the field of agriculture and related industries in the field of Agronomy.

A distinctive feature of the educational program: joint educational program with Agroparizhtech - Paris Institute of Technology for Life Sciences, Food and Environment (France).

The uniqueness of the new educational program is the strengthening of basic knowledge using an interdisciplinary approach to master professional disciplines in the field of training.

The educational program "6B08105 Advanced Agronomic Science" was developed in accordance with the classifier of areas of training with higher and postgraduate education (Approved by Order of the Ministry of Education and Science of the Republic of Kazakhstan No. 569 dated October 13, 2018) and coordinated with the Dublin descriptors and the European Qualifications Framework.

The educational program is focused on the training of specialists and scientific and pedagogical personnel, and the transfer of scientific results to the relevant sector of the economy based on scientific achievements, both the results of their own research and world science.

The educational program is developed on the basis of a modular system for studying disciplines and consists of 12 modules. The total volume of theoretical undergraduate education is 242 credits, including the cycle of general education disciplines includes 56 credits, the cycle of basic disciplines - 121 credits, the cycle of core disciplines - 53 credits and the final certification is 12 academic credits.

The purpose of the educational program is to prepare bachelors in the field of Agronomy with in-depth study of fundamental disciplines (biology, chemistry, mathematics, physics, IT), for the development of professional competencies in the scientific field, as well as for continuing studies in master's degree programs at world universities.

Objectives:

- implementation of fundamental education aimed at training highly qualified personnel in the professional field;
- the introduction of innovative technologies in the education and training of competitive specialists in the field of Agronomy;
- the use of modern educational technologies, techniques, approaches and innovative techniques in teaching disciplines;
- training of competent specialists with in-depth theoretical knowledge and practical skills for admission to the Master's degree program at world-class universities;
- formation of universal and socio-personal values of the graduate, as well as environmental, physical, ethical, legal culture, culture of thinking;
- education in the spirit of patriotism, friendship of the peoples of the Republic of Kazakhstan, respect for different cultures, traditions and customs;
- prepare graduates for professional activity, mobility, continuous professional and moral improvement and growth throughout their lives;
- formation of graduates' competitiveness in the labor market to ensure the possibility of the fastest possible employment in the specialty.

Places of professional practice

The educational program provides educational practice in the discipline «General biology of organisms» - 2 credits, production (in the disciplines of agriculture, crop production) - 8 credits and pre-graduate practice - 2 credits, which is a university component.

The students' professional internship is planned mainly during the spring sowing campaign and harvesting of crops, on the campus of the Kazakh Agrotechnical University named after S.Seifullin, in the fields of large agricultural enterprises and farms and in experimental fields of research institutes in various regions of the republic.

As a basic production practice, stationary fields of A.I.Baraev Scientific and Production Center of Grain Farming LLP, State Institution "Virgin Regional Inspection for variety testing of agricultural enterprises" are used. Kazakh Research Institute of Agriculture and Crop Production, LLP "East Kazakhstan Research Institute of Agriculture", LLP "North Kazakhstan Research Institute of Agriculture", LLP "Kostanay Research Institute", LLP "Karabalyk agricultural experimental station", LLP "Karaganda experimental station", LLP "Experimental farm of oilseeds", AGROBIOLOGICAL Center of the Kazakh Agrotechnical University named after S.Seifullin, large firms, large agricultural enterprises and farms, including TNK Agrofirma LLP, Bayserke Agro LLP, Farmer 2002 LLP, Maksimovskoye LLP, Rodina LLP, Atameken Agro LLP, etc.

Methods of conducting professional practices: stationary, field, field-based.

For people with disabilities, the choice of internship places is consistent with the requirement of their accessibility for these students and the state of health.

2 Strategic directions, goals, objectives, target indicators, activities and performance indicators

№	Events	Unit of measurement	In the planned period				
			2023	2024	2025	2026	2027
Formation of an educated scientific personality of a new type that meets the needs of the regional economy and the international labor market							
1	The contingent of students enrolled in the OP	person	5	10	15	15	15
2	The share of winners of international competitions of scientific projects of the last three years	%	0,10	0,10	0,10	0,10	0,10
3	To attract foreign students	%	0	0,10	0,10	0,10	0,10
4	The share of innovative OP disciplines developed by order of industry associations and enterprises	%	0,10	0,20	0,20	0,20	0,20
5	The share of foreign experts involved in teaching	%	-	0,10	0,10	0,20	0,20
6	The share of employed graduates	%	70	70	80	80	100
Formation of the University's digital ecosystem (Creation of a "SMART University")							
1	The share of the use of the world digital library in the implementation of the OP	%	50	60	70	70	80
Involvement in scientific research							
1	The number of scientists who have completed internships in the world's leading scientific centers within the framework of the "500 Scientists" program involved in the OP	units	1	2	2	2	2
2	The share of involvement of students in funded research projects	%	0,10	0,10	0,10	0,10	0,20
Expanding the partner environment							
1	The proportion of students who have left under the academic mobility program abroad	%	0,05	0,05	0,1	0,1	0,1
2	Number of foreign students	person	0	1	1	2	2
Implementation of the new personnel policy							
1	The number of scientists of the Research Institute, employers in the implementation of the educational program	person	1	1	2	3	3


3 Measures to reduce the impact of risks on the educational program

Возможный риск	Мероприятия по снижению рисков	Ответственные и сроки реализации
1. Highly competitive environment in the educational segment	Development and implementation of distance learning courses, including MOOS, created jointly with professors of the partner university, for use by external users	Teaching staff of the department, during each academic year
2. Lack of a laboratory for basic sciences	Creation of a laboratory for molecular biology, and equipping with modern equipment and devices through the financing of GF, PCF and international projects	Teaching staff of the Department of Biology, Plant Protection and Quarantine, Agriculture and Crop Production (heads of SOP), until 2025
3. Low motivation in using the e-learning system	Training in specialized trainings and training seminars	Head of the SOP, teaching staff for 2023-2027
4. Administrative risk in the	Strict compliance with all	Head of the SOP, teaching staff


implementation of a two-degree educational program	requirements of the legislation of the Republic of Kazakhstan and the Russian Federation, standards, regulations and instructions	for 2023-2027
5. Insufficient level of foreign language proficiency of teaching staff	Planning of teaching staff for advanced study of a foreign language	head of the department, at least 2 teachers per academic year
6. Insufficient level of students' French language proficiency for admission to the master's degree program of the partner university	Inclusion of the French language in the RUP; organization of French language courses at the university; increasing incentives for learning French independently	during the year
7. Low motivation of students to participate in startup projects	To carry out explanatory work on the goals of startup design, its impact on the life of society and the developer	during the year
8. A low contingent of SOEs, in which fundamental sciences are deeply studied, due to the fact that applicants for agricultural educational programs come from rural schools, with low quality of training in subjects - physics, chemistry, mathematics, etc.	To conduct career guidance work in rural schools with good training, to motivate students with low preparation for additional study of disciplines	Head of the Department, teaching staff

All actions necessary for the revision of the joint educational program "Advanced agronomic Science" are coordinated with the developers from the partner university.

Chairman of the AC
Faculty of Agronomy

 _____ Kenzhegulova S.O.

Head of the department
agriculture and crop production

 _____ Turbekova A.S.