

DEVELOPMENT PLAN OF EDUCATIONAL PROGRAMS 6B081100 - "Phytosanitary Security", 7M081100 - "Phytosanitary Monitoring" and 8D081100 - "Phytosanitary Technologies"

1. Analytical foundation of the program. Information about the educational program. Educational programs of 6B081100 - "Phytosanitary safety", 7M081100 - "Phytosanitary monitoring" and 8D081100 - "Phytosanitary technologies" aimed at training **bachelors** - a new pattern specialists in phytosanitary security, competitive and in-demand in the agricultural sector, and international scientific and educational space; **masters** - the specialists with a high level of professional culture, with public stance, capable to define and solve scientific and practical problems, conduct research, management, teaching; **PhD doctors** - with a high level of theoretical and practical individual training in plant protection and quarantine to carry out research and management activities in various agricultural enterprises and organizations; with a high level of professional culture, ready to teach at higher education institutions and secondary schools.

The educational programs for Bachelors, Masters and PhD students were developed in accordance with the National qualifications framework and professional standards agreed with Dublin descriptors and the European qualifications framework.

2. The main aims of the development plan. The development plan for educational programs for 6B081100 - "Phytosanitary safety", 7M081100 - "Phytosanitary monitoring" and 8D081100 - "Phytosanitary technologies" are developed on the basis of employers' requests. The main goal of the plan for the development of educational programs is to create an educational environment promoting construction of a self-developing and self-actualizing identity based on the introduction of an outcome-based approach in the educational process.

3. The main objectives of the development plan of EP are the following:

1. Provide a level of education according to modern requirements and needs of practices.
2. Configure a creatively-working teachers' staff.
3. Improve the organization of the teaching and educational process.
4. Focus the EP on research activities of students.

4. The list of actions for the EP development plan

No	Activities	Dates of realization
1	Improving EP for Bachelors, Masters and PhD students taking into account the opinion of potential employers	2019-2023
2	Starting a multilingual group for bachelors	2021
3	Development of new teaching materials in the State and Russian languages , as well as computer programs	2019-2023
4	Increasing the number of the faculty having a good command of a foreign language	2019-2023
5	Equipping classrooms	2019-2023
6	Increasing the number of research projects and contracts with businesses	2019-2023
7	Participation in competitions of scientific projects of MES RK	2019-2023

8	Opening branches of the department at the production places of the country	
9	Carrying out research projects in the framework of international scientific grants	
10	Publication of scientific articles in journals included in the database Thomson Reuters, Scopus and Springer, in scientific journals with impact factor	2019-2023
11	Academic mobility of students, undergraduates, PhD students and faculty of university	2019-2023
12	Attracting prominent scientists from near and far abroad countries to deliver lectures, seminars to students	2019-2023
13	Passing Independent national specialized accreditation according to international standards of the specialty in the leading accreditation agencies of the world	2019-2023
14	International and national research internships of faculty, including Young Scientists of the department	
15	Prize winners in the national rankings of specialties among the universities of the Republic of Kazakhstan	2019-2023
16	Prize winners among students in the Republican Olympiads on subjects, competitions by MES for the best student work	2019-2023
17	Monitoring of employment of graduates	2019-2023
18	Concluding agreements on practical training of students and graduate research practices, PhD	2019-2023

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