

REVIEW

to the Educational Professional Program "Pharmaceutical Biotechnology" for the first (bachelor's) level of higher education
National Aviation University,
Specialty 162 "Biotechnologies and Bioengineering",
Field of Study 16 Chemical Engineering and Bioengineering

The peer-reviewed Educational Professional Program "Pharmaceutical Biotechnology" of the first (bachelor's) level of higher education, specialty 162 "Biotechnology and Bioengineering" corresponds to the Standard of Higher Education for this specialty. But in order to highlight the difference of the program from other educational and professional programs in this specialty and to meet the mission and development strategy of the National Aviation University in acquiring knowledge and skills regarding the application of pharmaceutical biotechnologies in aviation and space programs, it would be appropriate to introduce additional educational components in space biology, biospace phyto- and biomedicine for the improvement of modern biotechnologies.

The Educational Professional Program (EPP) has a clear, logical structure and includes: general information, purpose, characteristics of the educational program, suitability of graduates for further employment and further education, teaching and evaluation, program competencies and program learning outcomes. Mandatory subjects of the curriculum, which are listed in the EPP, reflect topics relevant to the industry and form skills and abilities according to the training profile, the ability to develop the necessary regulatory production documentation, as well as the preparation and defense of the bachelor's qualification work. All of the above contributes to ensuring the compliance of educational program results with the demands of potential employers and the needs of the modern labor market.

Personnel provision of the EPP corresponds to the profile of the disciplines taught. Employees with practical work experience in this field are involved in teaching. The matrix of correspondence of program competences to the components of the EPP and the matrix of the provision of program learning outcomes by the relevant components of the educational and professional program were analyzed.

In general, the EPP "Pharmaceutical Biotechnology" for students of the first (bachelor's) level of higher education in the specialty 162 "Biotechnology and Bioengineering" of the Department of Biotechnology of the National Aviation University meets the requirements and has a targeted approach to training qualified specialists.

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