

## REVIEW

On the main educational program of higher professional education (MEP HPO) - in the direction: 560001 General Medicine - 5 years, qualification: specialist. Form of study - full-time. The standard period for mastering the program is 5 years, developed at the medical faculty of the educational institution Jalal-Abad International University.

The regulatory framework for the development and implementation of the reviewed MEP consists of laws and local regulations of the Kyrgyz Republic and JAIU:

- Law of the Kyrgyz Republic "On Education" dated April 30, 2003 No. 92; and other necessary documents required for the implementation of this program.

1. General characteristics of the main educational program;
2. Competence model of a graduate and the results of the main educational program;
3. Documents regulating the content and organization of the educational process in the implementation of the MEP;
4. Actual resource provision of the MEP;
5. The system for assessing the quality of mastering the MEP by students;
6. Application of e-learning and distance learning technologies in the implementation of the MEP;
7. Features of the main educational programs for individuals with disabilities.

The structure of the curriculum includes:

### Block I.

1. Humanitarian, social and economic cycle;
2. Mathematical and natural science cycle;
3. Professional cycle - includes disciplines related to the basic/compulsory and variable/elective part.

Block II. "Practice" includes industrial practice to obtain professional skills and experience in professional activities.

Block III. State final certification: Interdisciplinary state exam and final exam and ends with the assignment of the qualification of specialist (doctor).

Educational and methodological materials and other components of the main professional educational program are developed in accordance with the requirements of the competence-based approach and comply with the order of the Ministry of Education and Science of the Kyrgyz Republic "On approval of the State educational standards of higher professional education" No. 1578/1 dated September 21, 2021 in the direction: 560001 General Medicine, qualification:

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specialty. Syllabuses of all disciplines, practices, electives contain a detailed description of the knowledge, skills and abilities acquired by students during the formation of each of the universal, professional and additional competencies. The implementation of the program is aimed at training qualified specialists capable of independent diagnostic, therapeutic, preventive, and research activities in the field of healthcare;

**The mission of medical faculty:** to train qualified personnel to improve the health and life quality of the population through high-quality and continuous medical education based on modern and innovative training according to world standards, scientific research and clinical practice in accordance with the challenges of global healthcare system.

### **EDUCATIONAL OBJECTIVES:**

1. Formation of a professionally prepared specialist for independent practice in the conditions of the modern level of material and technical equipment of healthcare.
2. Formation of a harmoniously developed and socially responsible personality based on the spiritual, moral and humanistic values of the global community, the personality of the student to the highest degree of culture and compassion.
3. Formation of the personality of the student ready for learning throughout his/her working life and capable of initiating or supporting innovative production and management technologies, progressive processes of social development, and ready to become a leader in the global community.
4. Formation and development of research competencies in students through the introduction of research-oriented training (Research Based Learning) and the development of medical science.
5. Advanced professional training of students based on competencies in accordance with the rapidly changing conditions of intensive development of social and economic processes, ready to promptly offer their participation, responding to the demands of society and the labor market.

In accordance with the requirements of laws and local regulations of the Kyrgyz Republic and JAIU. Characteristics of professional activities of graduates who have mastered the specialist program, training under this educational program involves studying disciplines as a basic/mandatory and variable/elective part of the curriculum, including elective disciplines. Disciplines of the basic/mandatory part are aimed at forming the entire set of competencies stipulated by laws and local regulations of the Kyrgyz Republic and JAIU. The composition of competencies in disciplines and practices ensures a high level of mastering and a deep mutual relationship of theoretical training with practical skills and abilities acquired during the practice period. The available material and technical support allows for high-quality training of graduates of the educational institution. The main educational program is implemented in conditions of unlimited access to the electronic library system and the electronic information and educational environment. The MEP HPE has the necessary set of licensed software, professional databases and information and reference systems and complies with the State Educational Standard of Higher Professional Education.



The fund of assessment tools, the form and content of quality control procedures for mastering the main professional educational program allow for a comprehensive assessment of the quality of graduates' training, their readiness to solve professional problems.

### Conclusion

The reviewed program is compiled taking into account the specifics of professional activities of graduates and the needs of employers, especially in Southeast Asian countries such as Pakistan, India, Bangladesh and others. It has a comprehensive and targeted approach to preparing a qualified graduate with professional skills and competencies necessary for further professional activity in the relevant field. The content of training students (curriculum, academic calendar, syllabuses, practice programs, assessment materials, methodological materials) and the conditions for implementing the MEP HPE in the direction: 560001 General Medicine - 5 years, qualification: specialist, meet the requirements and planned results of mastering the MEP HPE. The material and technical, information and communication, educational and methodological and human resources of JAIU correspond to the content of professional activity and professional tasks for which the graduate is preparing. The procedure for approving, analyzing and updating the educational program is being implemented with the participation of employers: professors, scientists in medicine, etc.

The developed MEP HPE fully corresponds to the declared level of training of graduates.

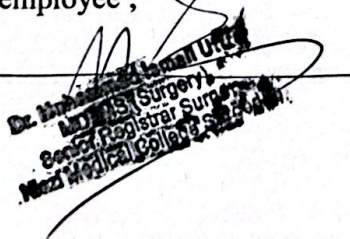
#### Recommendations:

1. Strengthen the clinical training of students.
2. Constantly update the material and technical base according to modern HPE requirements.

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**Certificate of Expertise**  
**for BEP HPE General Medicine 5 years of course.**  
**Compiled by the Medical Faculty of Jalal-Abad International University.**

BEP HPE fully complies with international standards in the specialty of higher professional education in the specialty «General Medicine». BEP HPE in the specialty «General Medicine» 5 years of course is a system of documents compiled and approved by a higher educational institution (JAIU), by taking into account the needs of the regional labor market of South East Asia countries like India, Pakistan, Bangladesh and others.

BEP HPE regulates the goals, expected results, content, conditions and technologies for the implementation of the educational process, assessment of the quality of training of the specialists in this area of training and includes: a curriculum, a calendar curriculum, work programs of training courses, subjects, disciplines (modules) and other materials that ensure the quality of training of the students, as well as programs of educational and industrial practice, and methodological materials that ensure the implementation of the relevant educational technology.

The graduate model reflects the expected educational outcomes.

**The expected result (learning outcomes-LO)** of modern education, in our opinion, can be considered the development of those personality qualities that are necessary for the self-development, for the professional self-realization, and, at the same time, can be fully used by society. The graduate model is dynamic and relies on the principle of continuous quality improvement based on feedback and advance communication.

**LO-1** – Ability to apply basic knowledge from the field of socio-humanitarian, natural-scientific, economic and biomedical disciplines in their professional activities (GSC-1, GSC-5, SPC-2, SPC-3).

**LO-2** – Ability to communicate orally and in writing using national and official languages to solve professional tasks; proficiency in one of the foreign languages at the level of everyday communication (GSC-3, IC-1, IC-3, SPC-5).

**LO-3** – Ability to carry out once activities taking into account the moral and legal norms adopted in society (GSC-3, GSC-4, IC-4, SPC-4, PC-1).

**LO-4** – Ability to use modern information technologies, medical and technical equipment in practical activities (GSC-2, IC-1, IC-2, PC-1).

**LO-5** – Ability to apply the basic principles of the organization and management in the sphere of protection of public health in the medical organizations and their structural units (GSC-4, IC-4, SPL-4, SPC-5, PC-1).

**LO-6** – Ability to apply basic knowledge in the field of fundamental disciplines in professional activities for the timely diagnosis and choice of management and treatment tactics (PC-2, PC-14, PC-17, PC-18).

**LO-7** – Ability to use the results of examination, assessment of the condition, clinical and laboratory-instrumental studies in order to make a diagnosis and determine the volume of therapy (PC-14, PC-15, PC-16).

**LO-8** – Ability to perform basic treatment measures for the most common diseases and conditions of patients of all age groups, including pregnant women, women in childbirth and women in postpartum at life-threatening states (PC-15, PC-16, PC-19, PC-20, PC-21).

**LO-9** – Ability to apply knowledge of forms and methods of sanitary and educational work to implementation of preventive actions for prevention of development of diseases and maintaining health (SPC-5, PC-3, PC-8, PC-10, PC-11, PC-13).

**LO-10** – Ability to carry out anti-epidemic measures and organize the protection of the population and territories from the possible consequences of emergencies and natural disasters (PC-11, PC-13).

**LO-11** – Ability to comply with the rules of sanitary and hygienic regime in health care facilities using aseptic and antiseptic methods; to be able to take care of sick adults and children (PC-10, PC-11, PC-12, PC-13).

**LO-12** – Ability to carry out rehabilitation measures among the adult population, adolescents and children who have suffered a somatic disease, injury or surgery; understanding and having knowledge of the main issues of examination of working ability of the patients (PC-22, PC-23).

**LO-13** – Ability to collect and process medical statistics to analyze information on population health indicators using digitalization and e-health elements (IC-4, PC-8, PC-31).

**LO-14** – Ability to research activities based on the principles of evidence-based medicine for the development of new methods and technologies in the field of health (IKC-4, PC-23, PC-32, PC-33).

Regulatory documents for BEP development



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## 1. GENERAL CHARACTERISTICS OF BEP HPE



For an objective assessment of the competencies of the graduate, examination questions and tasks must be comprehensive and correspond to selected sections from various training cycles that form specific competencies.

**Types of final qualification tests.**

The types of final certification tests of the final state certification of JAIU graduates include:

1. State exam on the history of Kyrgyzstan;
2. Interdisciplinary comprehensive state exam:
  - 1st stage - curation at the patient's bedside;
  - 2nd stage - interdisciplinary blank testing;
  - 3rd stage - oral ticket survey.

**Final state exam requirements.**

The form and content of the final state exam is determined in accordance with the recommendations of the EMD. Programs of state exams (in individual disciplines), the final interdisciplinary exam in areas (specialties) and the criteria for evaluating final certification tests are approved by the educational and methodological council of JAIU.

**When analyzing and coursing this document, a number of questions arose:**

Does the training curriculum include disciplines such as medical statistics, research activities in medicine, conflict management, leadership, new technologies in medicine?

**Comments:**

BEP is very extensive for examination. There is a big number of LOs and pc.

**Recommendations:**

1. Most of the documents should be in applications, starting with the curriculum and so on.
2. I recommend reducing the number of LOs by combining LO-9,10,11.
3. Introduce training in elective disciplines: conflict management, leadership, new technologies in medicine.

**Conclusion:**

This BEP HPE in the specialty «General Medicine» 5 years of course of the medical faculty of the Jalal-Abad International University fully complies with the Law "On Education," the State Educational Standard and the requirements of international medical education in the specialty of higher professional education, policy documents and is recommended for use in the educational process after correction and additions in the relevant paragraphs, in accordance with the recommendations.

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