MINISTRY OF EDUCATION AND SCIENCE OF THE KYRGYZ REPUBLIC

MINISTRY OF HEALTH OF THE KYRGYZ REPUBLIC

I. K. AKHUNBAEV KYRGYZ STATE MEDICAL ACADEMY

"APPROVED BY"
Rector of KSMA, Doctor of Medical Sciences,
Professor Kudaibergenova I.O.
on "21" December, 2018

MAIN EDUCATIONAL PROGRAM

HIGHER PROFESSIONAL EDUCATION

Direction of training (specialty) 560001 "General Medicine"

Qualification of the graduate (specialist) – "Doctor of Medicine"

Form of study -full-time

Standard term of the program development - 6 years

The complexity of the MEP – 360 credits (credits)

Bishkek 2018

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MEP HPE approved for meeting of the	GEMC in the specialty “General Medicine” Protocol No. ____ 5 ____ dated 13.12.2018.	
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Section 1. GENERAL PROVISIONS

1.1 Definition of the Basic Educational Program of HPE

Basic educational program of higher professional education (hereinafter MEP HPE), implemented in I.K. Akhunbaev KSMA (hereinafter KSMA) in the specialty **560001 "General Medicine"**, is a set of documents developed and approved by the university, taking into account the requirements of the labor market on the basis of the state educational standard of higher professional education (SES HPE) in the relevant specialty.

MEP HPE regulates the goals, expected results, content, conditions and technologies for the implementation of the educational process, assessment of the quality of the graduate's training in this specialty and includes: curriculum, work programs of training courses, subjects, disciplines (modules) and other materials that ensure the quality of training students, as well as programs of educational and industrial practice, a calendar training schedule, a program of research work for students and methodological materials that ensure the implementation of appropriate educational technologies.

A credit (credit) system is used to determine the structure of the MEP HPE and the complexity of its development. Credit is a unified unit of measurement of the workload of a student's study load, including all types of his educational activities provided for by the curriculum.

KSMA can apply the form of organizing educational activities based on the modular principle of presenting the content of the MEP HPE and building curricula, using the appropriate educational technologies.

MEP HPE training specialists in the specialty **560001 "General Medicine"** provides for educational and industrial practice of students.

The organization of the practice, provided by the educational program, is carried out by the KSMA on the basis of contracts with medical organizations.

1.2 Basic terms and definitions

Basic educational program, terms and definitions are used in accordance with the Law of the Kyrgyz Republic "On Education" and international documents in the field of higher professional education, adopted by the Kyrgyz Republic in the prescribed manner:

- **basic educational program** - set of educational and methodological documentation regulating the goals, expected results, content and organization of the implementation of the educational process in this area of training (specialty) of higher professional education;

- **direction of training** - a set of educational programs for training of personnel with higher professional education (specialists) of various profiles, integrated on the basis of common fundamental training;

- **profile** - focus of the main educational program on a specific type and (or) object of professional activity;
- **cycle of disciplines** - part of an educational program or a set of educational disciplines that have a certain logical completeness in relation to the established goals and results of training, education;

- **module** - part of the academic discipline that has a certain logical completeness in relation to the established goals and results of training, education;

- **competence** - a dynamic combination of personal qualities, knowledge, skills and abilities, necessary for engaging in professional activities in the specialty **560001 “General Medicine”**;

- **credit (credit unit)** - conditional measure of the main labor intensity professional educational program;

- **learning outcomes -** competencies acquired as a result of training in the main educational program / module.

Abbreviations and designations. In this basic educational program the following abbreviations are used:

SES - State educational standard; **HPE**- higher professional education; **MEP** - basic educational program; **EMD** - educational and methodological associations;

CD MEP - cycle of disciplines of the main educational program; **GC** - general scientific competence; **IC** - instrumental competencies; **CCS** - courses chosen by students of **PC** - professional competence;

SPC - social, personal and general cultural competences. **EMPC** - educational and methodological profile committee

1.3 Normative documents for the development of MEP HPE

1. Law of the Kyrgyz Republic "On Education" dated April 30, 2003. No. 92;

2. Regulations on the educational organization of higher professional education of the Kyrgyz Republic, approved by the Government of the Kyrgyz Republic dated February 3, 2004 No. 53.

3. National program of reforming the health care system of the Kyrgyz Republic "Den Sooluk" developed for 2012-2016;

4. Regulatory legal acts regulating the activities of educational institutions of higher and secondary vocational education of the Kyrgyz Republic, approved by the Government of the Kyrgyz Republic of May 29, 2012 No. 346.

5. Charter of the KSMA (agreed with the Ministry of Education and Science of the Kyrgyz Republic of September 12, 2013, approved by the order of the Ministry of Health of the Kyrgyz Republic of 04.10.2013 No. 581 and registered by the Ministry of Justice of the Kyrgyz Republic on 15.11.2013);

6. Order of the Ministry of Education and Science of the Kyrgyz Republic "On approval of the Requirements for the structure, labor intensity to the mandatory minimum content of disciplines" (No. 556/1 of 28.08.2013);

7. Resolution of the Government of the Kyrgyz Republic "On the delegation of certain rule-making powers of the Government of the Kyrgyz Republic to a number of state executive authorities and the integration of higher professional education into the international educational space" dated September 15, 2014 No. 530.

8. Order of the Ministry of Education and Science of the Kyrgyz Republic "On approval state educational standards of higher professional education "dated September 15, 2015 No. 1179/1.

9. State educational standard of higher professional education in the direction of training (specialty) 560001 "General Medicine", approved by the Order of the Ministry of Education and Science of the Kyrgyz Republic dated September 15, 2015 No. 1179/1.

10. Order of the Ministry of Education and Science of the Kyrgyz Republic "On Amendments to State Educational Standards and Curricula of HPE" (No. 1455/1 of November 27, 2017).

11. Decree of the Government of the Kyrgyz Republic "On approval of the Temporary regulation on the procedure for licensing educational activities of the Kyrgyz Republic" (dated 23.07.2018 No. 334)

12. Regulation on the basic educational program of HPE, approved by order of the rector of KSMA No. 411 dated 19.12.2018.

13. Regulations on the current monitoring of progress and intermediate attestation, approved by the order of the rector of KSMA dated January 21, 2018.

14. Regulations on the elective course, approved by the order of the rector of KSMA dated 10.10.2017.

15. Regulations on the independent work of students, approved by the order of the rector of KSMA dated 04.03.2013.

16. Regulation on industrial practice, approved by order of the rector of KSMA dated 03.03.2018.

17. Regulations on the final state certification of graduates of higher educational institutions of the Kyrgyz Republic (approved by the Government of the Kyrgyz Republic of May 29, 2012, No. 346).

18. Regulations on the State Final Attestation, approved by order of the rector of KSMA No. 137 dated May 24, 2018.

19. Regulations on computer testing, approved by the order of the rector of KSMA dated 10.16.2018.

1.4 GENERAL CHARACTERISTICS OF MEP HPE

In Kyrgyz Republic is implemented by the State Educational Higher Professional Education in the specialty **Institution of 560001 "General Medicine".** When mastering MEP HPE and successfully passing the state final certification, in accordance with the established procedure, a diploma of higher professional education is issued with the assignment of the qualification "Doctor".

A graduate in the specialty **560001 "General Medicine"** must be ready for postgraduate education in clinical disciplines. He has the right to hold medical positions not related to the independent management of patients, as well as to engage in research and teaching (teacher-trainee) activities in the theoretical and fundamental areas of medicine.

1.4.1. The standard term for the development of the MEP HPE in the specialty "Doctor" **560001 "General Medicine"** on the basis of secondary general or secondary / higher professional education only for full-time education is 6 years.

1.4.2. The total labor intensity of mastering MEP is 360 credits (credit units). The labor intensity of the MEP HPE for the academic year is 60 credits. The complexity of one semester is equal to 30 credits with a two-semester structure of the educational process. Given the sequence of disciplines in the curriculum, the university has the right to vary the complexity of one semester from 28 to 32 credits, while not exceeding the established 60 credits per academic year. One credit (credit) is equivalent to 30 hours of student work (including classroom work, independent work and all types of certification). The total duration of 2-hour lessons is 90 minutes, 3-hour lessons - 135 minutes. The academic year ends on time, according to the curriculum and calendar schedules of the university. The total amount of vacation time in the academic year is 7-10 weeks, including at least two weeks in winter. The maximum volume of

the study load of students per week is established by the State Educational Standard of HPE and is 45 hours. In the implementation of educational activities on the MEP, KSMA provides: the implementation of disciplines (modules) through the conduct of training sessions (including the current monitoring of progress and intermediate certification of students); implementation of practices (including certification of students) and state final certification of students. When organizing the educational activities of KSMA, the modular principle of presenting MEP HPE and building curricula can be used.

1.4.3 Requirements for the applicant

Applicant must have a state document on secondary (complete) general education or secondary vocational education. The rules for admission to the Faculty of General Medicine of the KSMA are formed annually on the basis of the Procedure for admission to higher educational institutions of the Kyrgyz Republic (approved by the Resolution of the Government of the Kyrgyz Republic dated May 27, 2011 No. 256). Annually approved "Rules for admission of applicants to the I.K. Akhunbaev KSMA "and" Regulations on the admission to training of foreign citizens in the KSMA."

2. CHARACTERISTIC OF THE PROFESSIONAL ACTIVITY OF THE UNIVERSITY GRADUATE IN THE SPECIALTY 560001 "General Medicine"

2.1. Educational goals and objectives of the MEP HPE

In accordance with the Mission of the KSMA goal MEP HPE by specialty 560001 "General Medicine" in the field of education is: training of a doctor with general and special competences, universal and subject-specific competencies that contribute to his social mobility and stability in the labor market, readiness for postgraduate training with the subsequent implementation of professional medical practice in the chosen field.

The goal in the field ofupbringing personality is: the development of students' purposefulness, organization, hard work, responsibility, citizenship, communication, tolerance, improvement of general culture.

To solve the set goals, the following tasks have been identified:

- meeting the needs of the individual in intellectual, cultural and moral development by obtaining higher education in the chosen field of professional activity;

- meeting the needs of society and the state for qualified specialists in the medical field;
- preservation and enhancement of moral, cultural and scientific values of society.

2.2 The area of professional activity of a specialist includes a set of technologies, means, methods and methods of human activity aimed at preserving and improving the health of the population by ensuring the proper quality of medical care (therapeutic and prophylactic, medical and social) and dispensary observation.

2.3. The objects of professional activity of a specialist are:

- Children and adolescents aged 15 to 18 years;
- adults over the age of 18;
- a set of tools and technologies aimed at creating conditions for maintaining health, ensuring prevention, diagnosis and treatment of diseases.

2.4. Professional activities of the graduate**:**

- preventive;
- diagnostic;
- medical;
- rehabilitation;
- educational;
- organizational and managerial;
- research.

2.5. Tasks of the professional activity of the graduate

Doctor in the specialty **560001 "General Medicine"** should solve the following professional tasks in accordance with the types of professional activities:

- *Preventive activities:*

- implementation of measures to form the health of children, adolescents and adults;
- prevention of diseases among children, adolescents and adults;
- formation of motivation in the adult population and children to maintain and strengthen health;
- carrying out preventive and anti-epidemiological measures aimed at preventing the occurrence of diseases;

- dispensary observation of the adult population, adolescents and children;
- carrying out sanitary and educational work among the adult population, children, their relatives and medical personnel in order to form a healthy lifestyle.

 Diagnostic activity:

- diagnostics of diseases and pathological conditions in children, adolescents and adults based on proficiency in propaedeutic and laboratory-instrumental research methods;
- diagnosis of emergency conditions in children, adolescents and adults;
- diagnosis of pregnancy.

 Therapeutic activity:

- treatment of adults, adolescents and children using therapeutic and surgical methods;
- physiological and pathological pregnancy management;
- provision of medical care to adults, adolescents and children in case of emergency conditions;
- carrying out medical and evacuation measures in an emergency and providing medical assistance to the population in extreme conditions of epidemics, in the outbreaks of mass destruction;
- organization of work with medications and compliance with the rules for their use and storage.

 Rehabilitation type of activity:

- carrying out rehabilitation activities among the adult population, adolescents and children who have undergone a somatic illness, injury or surgery;
- the use of means of physiotherapy exercises, physiotherapy and resort factors in the adult population, adolescents and children, with a preventive purpose and in need of rehabilitation.

 Educational type of activity: the

- formation of positive medical behavior in the adult population, adolescents and children, aimed at maintaining and improving the level of health;
- formation of motivation in the adult population, adolescents and children for a healthy lifestyle, including the elimination of bad habits that adversely affect the health of the younger generation;
- training adults, adolescents and children in basic health-improving activities that contribute to the prevention of diseases and health promotion.

 Organizational and managerial activity:

- knowledge of the health care organization system and thereferral system patient;
- maintaining medical records in the hospital and at the PMC level;
- observance of the quality of treatment, diagnostic and rehabilitation and preventive care for the adult population and children;
- business correspondence (memos, reports, letters, etc.).

 Research activity:
- analysis of scientific literature and official statistical reviews;
- preparation of reports in the specialty;
- participation in statistical analysis and preparation of a report on the study.

3. GENERAL REQUIREMENTS (COMPETENCIES) TO MEP IN THE SPECIALTY

THE COMPETENCIES OF A UNIVERSITY GRADUATE AS A CUMULATIVE EXPECTED RESULT OF EDUCATION UPON COMPLETION OF THE DEVELOPMENT OF THIS MEP HPE The results of mastering MEP HPE are determined by the competencies acquired by the graduate, i.e. his ability to apply knowledge, skills and personal qualities in accordance with the tasks of professional activity. Graduate in the specialty **560001 "General Medicine"** with the assignment of the qualification of a specialist "Doctor" in in accordance with the goals of the MPE and the tasks of professional activity, must have the following competencies:

3.1Universal competences

3.1.2. General scientific competence (GC)

GC-1 - is able to analyze socially significant problems and processes, to use in practice the methods of humanitarian, natural science, biomedical and clinical sciences in various types of professional and social activities;

GC-2 - capable of analyzing worldview, socially and personally significant problems, basic philosophical categories, for self-improvement;

GC-3 - capable of analyzing significant political events and trends, mastering the

basic concepts and laws of the world historical process, respecting and caring for the historical heritage and traditions, possessing knowledge of historical and medical terminology;

GC-4 - is able to analyze economic problems and social processes,

use the methods of economic relations in the health care system;

GC-5 - is capable of logical and reasoned analysis, public speech, discussion and polemics, to carry out educational and educational activities, to cooperation and conflict resolution; to tolerance;

GC-6 - capable and ready to learn one of the foreign languages at the level of everyday communication, written and oral communication in the state language and official languages;

GC-7 - able to use control methods; organize the work of the team, find and make responsible management decisions within the framework of their professional competence;

GC-8 - is able to carry out its activities taking into account the accepted in society moral and legal norms; comply with the rules of medical ethics, laws and regulations on working with confidential information; keep medical confidentiality.

3.1.2. Instrumental competence (IC)

IC-1 - the ability to independently work on a computer (elementary skills);

IC-2 - ready for written and oral communication in the state language and official languages, able to master one of the foreign languages at the level of everyday communication;

IC-3 - capable of using control methods; organize the work of performers; find and make responsible management decisions in the context of different opinions and within the framework of their professional competence;

IC-4 - readiness to work with information from various sources.

3.1.3. Social-personal and general cultural competences (SPC)

SPC-1 - is able to implement ethical and deontological aspects of medical practice in communication with colleagues, nurses and junior staff, adults and children;

SPC -2 - is able and ready to reveal the natural scientific essence of the problems arising in the course of a doctor's professional activity; SLK-3 - capable of analyzing medical information, based on the principles of evidence-based medicine;

SPC-4 - is able to apply modern social and hygienic methods for collecting and medical and statistical analysis of information on the health indicators of the child population; SPC-5 - is able to use methods for assessing natural (including climate geographic) and medico-social environmental factors in the development of diseases in children and adolescents, to correct them;

3.2. Professional (PC):

3.2.1. Professional competence

PC-1 - is able to analyze the results of its own activities to prevent medical errors, while being aware of disciplinary, administrative, civil , criminal liability;

PC-2 - capable and ready to conduct and interpret a survey, physical examination, clinical examination, the results of modern laboratory and instrumental studies, write a medical record of an outpatient and inpatient adult and child;

PC-3 - is able to conduct pathophysiological analysis of clinical syndromes, substantiate pathogenetically justified methods (principles) of diagnosis, treatment, rehabilitation and prevention among adults and children, taking into account their age and sex groups;

PC-4 - capable of applying aseptic and antiseptic methods, using medical instruments, mastering the technique of caring for sick adults and children;

PC-5 - capable of working with medical and technical equipment used in working with patients, owning computer equipment, receiving information from various sources, working with information in global computer networks, using the capabilities of modern information technologies to solve professional problems;

PC-6 - is able to apply up-to-date information on the health indicators of the population at the level of healthcare facilities.

3.2.2. Preventive activities

PC-7 - to carry out preventive measures to prevent infectious, parasitic and non-infectious diseases, to carry out sanitary educational work on hygienic issues;

PC-8 - is able to carry out preventive measures with the attached population to prevent the occurrence of the most common diseases, carry out general health measures to form a healthy lifestyle, taking into account risk factors, and give recommendations on healthy eating;

PC-9 - is able to select persons for observation, taking into account the results of mass

tuberculin diagnostics and fluorographic examination, to evaluate its results in order to detect early tuberculosis;

PC-10 - is capable of carrying out anti-epidemic measures, protecting the population in the centers of especially dangerous infections, when the radiation situation worsens and natural disasters.

3.2.3. Diagnostic activities

PC-11 –is able and ready to make a diagnosis based on the results of biochemical and clinical studies, taking into account the course of pathology in organs, systems and the body as a whole; PC-12-is able to analyze the patterns of functioning of individual organs and systems, use knowledge of anatomical and physiological features, basic methods of clinical and laboratory examination and assessment of the functional state of the body of an adult and children, for timely diagnosis of diseases and pathological processes; PC-13-is able to identify the main pathological symptoms and syndromes of diseases in patients, using knowledge of the basics of biomedical and clinical disciplines, taking into account the course of pathology in organs and systems of the body as a whole, analyze the patterns of functioning of organs and systems in various diseases and pathological processes, use the algorithm for making a diagnosis (main, concomitant, complications) taking into account ICD-10, perform basic diagnostic measures to identify urgent and life-threatening conditions.

3.2.4. Therapeutic activities PC-14-is able to perform basic therapeutic measures for the most common diseases and conditions in adults and children; PC-15-is able to prescribe adequate treatment to patients in accordance with the diagnosis;

PC-16-is able to provide the adult population and children with first aid in case of emergency and life-threatening conditions, to send patients to hospital on a planned and emergency basis; PC-17-is able to prescribe adequate treatment to patients in accordance with the diagnosis;

PC-18-is able to provide the adult population and children with first aid in case of emergency and life-threatening conditions, to send patients to the hospital on a planned and emergency basis.

3.2.5. Rehabilitation activities

PC-19-is able and ready to apply rehabilitation measures (medical, social and professional) among the adult population and children with the most common pathological conditions and injuries of the body;

PC-20-is able to make recommendations on the choice of the regime, determine indications and contraindications to the appointment of physical therapy, physiotherapy, non-drug therapy, use the main resort factors in the treatment of adults and children.

3.2.6. Educational activities

PC-21-is able of training secondary and junior medical personnel and patients in the rules of sanitary and hygienic regime, ethical and deontological principles;

PC-22-is able of teaching the adult population, children the rules of medical behavior; to conduct hygienic procedures, to form the skills of a healthy lifestyle.

3.2.7. Organizational and management activities

PC-23-is able to use the regulatory documentation adopted in the health care of the Kyrgyz Republic;

PC-24-is able to use the knowledge of the organizational structure, health organizations. The system of referral and redirection;

PC-25-is able to provide a rational organization of the work of secondary and junior medical personnel of medical and preventive institutions;

PC-26-must know the main issues of the examination of working capacity (temporary) among the population, to carry out the prevention of disability among adults and children.

3.2.8. Research activities

PC-27-ready to study scientific and medical information, domestic and foreign experience on the subject of research.

3.2.9. According to the objectives of the MEP of HPE, the results of training (RT) are highlighted:

RT1- the ability to apply basic knowledge from the field of social and humanitarian, natural science, economic and biomedical disciplines in their professional activities (GC1, GC2, GC3, GC4, SPC2)

RT 2 - ability to communicate in oral and written forms in national and official languages for the solution of professional tasks; knowledge of one foreign language at the level of everyday communication (GC5, GC6, IC2)

RT3 - the ability to carry out their activities taking into account accepted in society moral and legal norms (GC8, PC1, SPC1)

RT 4 - the ability to apply modern information technology and medical-technical equipment in their practice (IC1, PC5)

RT 5 - the ability to apply the basic principles of organization and management in the sphere of health protection of citizens in medical institutions and their structural units (GC7, IC3, PC23, PC24, PC25)

RT 6 - the ability to apply basic knowledge in the field of fundamental disciplines in professional activities for the timely diagnosis and choice of treatment tactics (PC3, PC12, PC13)

RT 7 - the ability to use the results of clinical and laboratory Instrumental studies to make a diagnosis and determine the scope of treatment (PC2 PC11, PC13)

RT 8 – the ability to perform basic therapeutic measures in the most common diseases and conditions in adults and children, including those with life-threatening conditions (PC14, PC15/PC17, PC16/PC18)

RT 9 - the ability to apply knowledge of the forms and methods of sanitary-educational work for the implementation of preventive measures to prevent the development of diseases and preservation of health (SPC5, PC7, PC8, 9, PC22)

RT 10-the 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 (PC10)

RT 11-the ability to comply with the rules of the sanitary and hygienic regime in medical institutions, using aseptic and antiseptic methods; to know the technique of caring for sick adults and children (PC4, PC21)

RT12-the ability to carry out rehabilitation activities among adults, adolescents and children who have suffered a somatic disease, injury or surgery and knowledge of the main issues of the examination of working capacity (PC19, PC20, PC26)

RT 13 - the ability to collect and process medical statistics for the analysis of information on the health indicators of the population (SPC3, SPC4, PC6)

RT14 - the ability to conduct research based on the principles of evidence-based medicine for the development of new methods and technologies in the field of healthcare (IC4, SPC2, SPC3, PC27).

3.3. Structural matrix of competence formation (Appendix No. 1, Competence Matrix)

4. GENERAL REQUIREMENTS FOR THE TERMS OF IMPLEMENTATION OF THE MAIN EDUCATIONAL PROGRAMME

4.1. Requirements for the structure of the MEP in the specialty

The MEP in the specialty 560001 “General Medicine” provides for the study the following training cycles:

P. 1-humanitarian, social and economic cycle;
p. 2-mathematical and natural science cycle;
P. 3-professional cycle;
and sections:
p. 4 - - practice;
C. 5. additional types of training;

Each cycle of disciplines has a basic (mandatory) part and a variable part, established by the university.

The basic part is mandatory and ensures the formation of universal and professional competencies for students established by the State Educational Standard of Higher Professional Education, corresponding to the type (types) of professional activity that the educational program is focused on.

The elective component is aimed at expanding and (or) deepening the competencies formed by the basic part of the educational program, at the formation of students 'professional competencies established by the State Educational Standard of Higher Professional Education and related to the types of professional activities that the educational program is focused on, as well as at the formation of students' competencies established by the KSMA in addition to the competencies established by the State Educational Standard of Higher Professional Education (if they are established).

The content of the elective component is formed in accordance with the orientation (profile) of the educational program.

The elective component consists of two parts: the university component and the disciplines chosen by the students.

4.2. Curriculum and calendar schedule (Appendix 2). The curriculum is the main document regulating the educational process. By the specialty “General Medicine” should have the following forms of curricula:

- basic curriculum-compiled by KSMA for the full standard period of study;
- working curriculum-is compiled by KSMA for a specific academic year.
- individual student curriculum. It determines the educational trajectory of each student, taking into account the disciplines of the student's choice.

When developing basic, working and individual curricula, the requirements of the state educational standard of State Educational Standard of Higher Professional Education in the relevant field (specialty) of training must be met.

The curriculum shows the logical sequence of mastering the cycles and sections of the SES HPE (disciplines, modules, practices) that ensure the formation of competencies.

When forming their individual educational trajectory, the student has the right to get advice from the dean's office of KSMA on the choice of disciplines and their impact on the future profile of training.

For each discipline, practice, the types of educational work, labor intensity, and forms of intermediate and final control are indicated.

The calendar schedule of the educational process sets the sequence and duration of theoretical training, examination sessions, practical training, final state attestation, and student holidays, and is developed taking into account the requirements of the SES HPE.

According to the Resolution of the Government of the Kyrgyz Republic "On approval of the Temporary Regulation on the procedure for licensing educational activities of the Kyrgyz Republic" (dated 23.07.2018, No. 334), the share of full-time teachers to the total number of teachers of the educational program should be 70% of the academic year. The share of teachers with an academic degree and / or academic title in the total number of teachers providing the educational process in the main educational program of training a specialist should be at least 40%.

According to the SES HPE for the direction 560001 "General Medicine" approved by the Government Decree of September 15, 2015. (Order of the Ministry of Education and Science of the Kyrgyz Republic No. 1179 of 15.09.2015) up to 10% of the total number of teachers with an academic degree and / or an academic title can be replaced by teachers who have practical experience in this field in the positions of managers or leading specialists for more than the last 10 years.

4.4. Educational-methodical and informational support of the educational process

The provision of students with educational and methodological literature in the specialties is 1 textbook per student for compulsory subjects and methodological manuals, for additional literature-also 1 textbook per student.

Readers are served in the library on a 7-ticket basis, 7 reading rooms designed for 278 seats (the provision is 3% of the total number of students) and 3 halls of electronic resources. There are 6 computers for book distribution, 3 computers for readers in the reading room to search for the necessary material, 39 terminals in the halls of electronic resources (2 halls for 29 terminals in the main building and 1 hall for 10 terminals in the Morphocorpus) and 3 servers for accepting and processing reader search requests.

The main educational program is provided with educational and methodological documentation and materials for all training courses, disciplines (modules) of the main educational program.

In KSMA operates the official website of the library http://library.kgma.kg/, which provides access to the electronic catalog of the library, the database of teaching aids and lectures in online mode, the following electronic resources are available: clinical protocols, guidelines of the Ministry of Health of the Kyrgyz Republic, training courses of the Kyrgyz scientific and educational computer network KRENA, the Corporate repository of abstracts, the Kyrgyz virtual Scientific Library www.kyrgyzstanvsl.org, Russian Scientific Electronic Library, eIFL

Electronic Resources, Polpred.com. Every year, the teaching staff publishes educational and methodological developments and other publications, including in English and Kyrgyz.

Extracurricular work is accompanied by methodological support and justification of the time spent on its implementation and control.

The implementation of the main educational programs is ensured by the access of each student to databases and library collections formed according to the full list of disciplines (modules) of the main educational program. During independent training, students are provided with access to the Internet.

According to the Resolution of the Government of the Kyrgyz Republic “On approval of the Temporary Regulation on the procedure for licensing educational activities of the Kyrgyz Republic” (dated 23.07.2018, No. 334), the provision of mandatory textbooks should be 0.5, the provision of methodological manuals for performing laboratory, practical and course work 1:1.

The library fund of the KSMA is equipped with printed and / or electronic editions of the main educational literature in the disciplines of the general scientific and professional cycles.

The library's collection meets the requirements for training specialists in educational programs and has 621978 storage units, including:

* printed publications (textbooks, teaching aids, dissertations, abstracts, periodicals, etc.) – 615744 units;

* electronic (textbooks, teaching materials and videos) - 6234 units.

The fund of additional literature, in addition to the educational one, includes official, reference-bibliographic and periodical publications in the calculation of 1-2 copies for every 100 students.

Mandatory textbooks and teaching aids are determined by the training programs based on the requirements of the State standards. Replicated copies of lecture notes from electronic textbooks are used as textbooks.

For students with disabilities (visually impaired), there are 194 books with Braille, 48 audiobooks and computer software for reading books on the computer “Balabolka”, as well as specially designated places for listening to them in the reading room of the academic building No. 4.

If there is a lack of printed editions of textbooks, replicated copies of electronic textbooks and lecture notes/presentations are used.

The library has implemented the automated library system “IRBIS-64” in particular, the following modules are implemented and used: “ADMINISTRATOR”, “AGGREGATOR”, “CATALOGER”, “READER”, “BOOK DISTRIBUTION”.

Screenshot of IRBIS 64 / modules. The introduction of the automated information and library system "IRBIS-64" allowed the use of new information technologies in the work of the library. An electronic catalog and electronic card files have been created, allowing library readers to find the necessary information about the book in a matter of minutes, to select literature on the topic. The library has access to the reference and search databases Web of Science, Hinari, eLibrary.EN, Polpred, and free access to eIFL resources: Edward Elgar Journals&eBooks, IntellectJournals, IOPscience, EBS "Lan", Cochrane library.

PubMed, Open Edition, MSP electronic reference database of regulatory documents (clinical protocols, SSPs, etc.).

Readers are provided with free access to the Internet from personal computers, and service services are provided. The library's collection also includes texts of textbooks and textbooks on electronic media.

To provide more complete access to the electronic resources of the KSMA library at any time of the day, the library's own official website has been created - http://library.kgma.kg The library's website provides remote access to full-text databases of textbooks and teaching materials. Access to the resources of the electronic library is possible only for readers of KSMU through authorization (login and password). The site also contains information about new arrivals of printed publications and hosts virtual exhibitions of publications /http://library.kgma.kg/jirbis2/ru/. The library staff also holds annual book exhibitions

In 2021, the library created the website “Vestnik KSMA”, where the library staff places articles from all issues of the scientific and medical journal Vestnik KSMA.

The library's collection is annually replenished with periodicals (up to 20 sets of newspapers with 6 titles and more than 38 titles of magazines with 2-3 sets) and new educational publications.

Each student is provided with access to the library collection, which consists of the following list of titles of domestic journals:

Healthcare of Kyrgyzstan
Bulletin of the Kyrgyz State Medical Academy
Central Asian Medical Journal

foreign:
Obstetrics and gynecology
Allergology
Anesthesiology and resuscitation
Archive of Pathology

Bulletin of Otolaryngology
Bulletin of Ophthalmology
Doctor

Immunology.
Cardiology
Clinical Medicine
Medical Bulletin
Pediatrics
Pulmonology
Rheumatology
Russian Medical Journal
Traumatology and orthopedics
Therapeutic Archive
Urology
Human physiology
Surgery. N. I. Pirogov Magazine

Students are provided with the opportunity to quickly exchange information with domestic and foreign universities, enterprises and organizations, access to modern professional databases, information reference and search engines, such as:

* Information and reference materials of the Ministry of Health of the Kyrgyz Republic;

• information and search engine for intellectual property, patents and trademarks;

* databases on electronic components (medical search engines-MedExplorer, MedHunt, PubMed, etc.).

The minimum list of material and technical support required for the implementation of the MEP training of specialists includes:

- laboratories for physics, chemistry, biochemistry; biological chemistry; biology; physiology; microbiology and virology; pharmacology; pathological anatomy; pathophysiology;

- anatomical hall, anatomical museum, cadaver storage;

- specially equipped classrooms and classrooms for the study of humanities and socio-economic disciplines, hygiene, public health and public health;

- rooms equipped for the reception and display of patients (Center for Clinical Skills Development and Knowledge Assessment);

- medical offices equipped with the necessary equipment for working with children and adolescents receiving preventive, diagnostic, therapeutic (therapeutic and surgical profile) and rehabilitation care.

According to the license requirements, when using electronic publications, the university must have at least 7 computers with Internet access for 100 students.

When using electronic publications, KSMA provides each student with a workplace in a computer classroom with Internet access during independent training, in accordance with the volume of the subjects studied.

The university is provided with the necessary set of licensed software.

The usable area per student is 11.3 m2, which fully meets the requirements of the Decree of the Government of the Kyrgyz Republic “On Approval of the Temporary Regulation on the Procedure for Licensing Educational Activities of the Kyrgyz Republic” (dated 23.07.2018, No. 334). The occupied total area of the Faculty of "Medical Science" is about 69623 meters squared, while the usable area is 55947.6 meters squared.

4.6 Scientific and research work

Research work is a mandatory part of the MEP training of a specialist. It is aimed at the comprehensive formation of general cultural professional competencies in accordance with the requirements of the SES HPE by the Government of the Kyrgyz Republic dated September 28, 2015.

When developing a research program, a higher education institution should provide students with the opportunity to:

- study special literature and other scientific and technical information about the achievements of domestic and foreign science and technology in the relevant field of knowledge;
- participate in conducting scientific research or performing technical developments;

- to collect, process, analyze and systematize scientific and technical information on the topic (task); - take part in bench and industrial tests of prototypes (batches) of designed products;

- make reports (sections of the report) on the topic or its section (stage, task); - make a presentation at the conference.

In the process of performing research work and evaluating its results, a broad discussion should be held in the educational structures of the university with the involvement of employers, which allows assessing the level of competencies formed by the student. It is also necessary to assess the competencies associated with the formation of a professional worldview and the definition of the level of culture.

4.7 Characteristics of the university environment that ensure the development of general cultural (social and personal) competencies of graduates

The socio-cultural environment is created as a result of the implementation of the main directions of the educational, educational and research activities of the faculty. The socio-cultural environment of the medical academy ensures the development of social and personal competencies and contributes to the successful completion of the training period by students from obtaining skills in organizing academic and extracurricular work, getting acquainted with the history and culture of our multinational republic, with the cultural and scientific traditions of the medical academy to readiness for professional activity.

The KSMA has a number of departments created to manage socio-cultural processes that contribute to strengthening the moral, civic, patriotic and general cultural qualities of students: the department of educational work, student clubs, SSYSS.

The Department for Educational Work was created to control and organize educational work in the KSMA. The concept of educational work is aimed at creating conditions for the formation of a fully developed, viable personality in the graduate, who will be able to respond adequately, quickly adapt to changing conditions, make managerial decisions, have a humanistic orientation and high citizenship, focus on professional success and creative aspiration, intelligence, social activity and entrepreneurship. The Department for Educational Work actively cooperates with art institutions, with social services. His work is aimed at maintaining the university's atmosphere of respect for the people around him and the world as a whole.

The representative body of the student self-government of the Academy is the Student Council. The Student Council is the body of student self-government, the organizer of all academic events for students. The Student Council of the Academy works in the following areas: interaction with other institutions and organizations of the student environment; development of student initiatives aimed at improving the conditions of study and outside of school life; active participation of students in the organizational and technical work of the Academy: exhibitions, conferences, scientific seminars; organization of leisure and recreation for successful students; development and implementation of measures to increase the responsibility of students for the timely implementation of their curricula, academic discipline and rules of conduct at the Academy; representation of students' interests at all levels of the Academy's management; activation of student team management processes and their involvement in the social life of the Academy; creation of a single information space for students and Academy administrations; participation in the distribution of the scholarship fund and providing material assistance to students in need.

The Student Council constantly develops and expands the range of its activities: the Cultural and Mass Sector, the Sports Sector, the Department of Interuniversity Relations; the Social Development Sector, the Fundraising Sector, the Information Sector, the Debate Club of KSMU, the Intellectual Club "Alliance Club", KVN.

KSMA actively operates such student clubs as the Literary Club "Cononiere", the Debate Club "We&World". The literary club "Cononiere" is a creative club that unites talented students – poets and teachers of the academy. It is created and works in order to jointly improve literary abilities, increase creative potential and achieve heights in the field of literature. The literary club "Conconiere" is guided in its activities by the generally accepted norms of morality, ethics and high spiritual values.

In order to educate young people in the spirit of patriotism, preserve the cultural traditions of the Kyrgyz people and develop creatively aspiring youth, the ensemble of komuz players “Min-Kyal” was created, which takes an active part in various events of the city and national scale.

To teach students the basics of dance, a variety of leisure activities, to develop their creative abilities and discover new ones, the academy has a dance studio “Avangard”.

In order to unite young scientists and students, express their interests, promote professional development, through active participation in the development of applied and fundamental science and more fully realize the scientific potential of young scientists and students was organized the “Scientific Society of Young Scientists and Students”.

Currently, the tasks of SSYSS are: Assistance in the coordination of scientific, educational and practical activities of young scientists and students of KSMA; Integration and coordination of the activities of all SSC of the departments of KSMA, as well as students engaged in scientific work under the individual guidance of teachers; Assistance in the organization and conduct of experimental and research work of students and young scientists at the departments and laboratories of intersectoral training and research center for biomedical research;

Assistance in organizing and conducting scientific and practical conferences, seminars and educational forums of the KSMA. Cooperation with the councils of young scientists of other organizations and universities; Organization and holding of scientific and practical conferences of young researchers of KSMA; Promotion of participation of the best scientific works of young scientists and students of KSMA in national and international conferences, symposiums, congresses.

KSMA has many sports sections, sports competitions in various sports and inter-faculty sports competitions are held annually. In order to encourage excellent studies, active participation in public, scientific and sports life, students are presented for appointment to receive various scholarships and awards.

Students studying at the expense of the budget are provided with scholarships and other social support measures in accordance with the procedure established by the legislation of the Kyrgyz Republic. All students of socially vulnerable categories are provided with a hostel; they are primarily provided with one-time financial assistance.

Students ' socio-cultural competencies are formed in close cooperation with the curators of the groups.

The library complex, the dean's office and group curators, and the student trade union committee participate in the formation of the socio-cultural environment and in the educational

activities of students. This work also ensures the development of general cultural and socio-personal competencies.

Civil, patriotic, spiritual and moral education is provided through participation in the patronage of veterans, conferences and events dedicated to the Great Patriotic War; patronage of orphanages and nursing homes is conducted. KSMA regularly holds themed evenings about the heroes of the Great Patriotic War, the Afghan soldiers and the Batken events. Meetings of students with medical veterans, Honorary citizens of the city, poets and musicians are organized. Students are involved in charity events, the proceeds of which are sent to orphanages.

Thus, KSMA has the necessary opportunities to create conditions for the formation of general cultural (social and personal) competencies of students, which is confirmed by successful career growth and professional achievements of graduates.

4.8 Organization and implementation of the elective course (EC).

The organization of the EC provides for the formation of students ' additional knowledge in individual disciplines, blocks of disciplines or disciplines of specializations.

ECs are offered by departments taking into account the direction of study (specialty) for each of the sections of the curriculum and are fixed in agreement with the training department in the working curricula. ECs in the sections of the working curriculum on the content, as a rule, supplement the mandatory disciplines of these sections.

The amount of credits allocated for elective subjects is in accordance with the state educational standard. EC are organized and implemented in accordance with the Regulations on EC (elective), approved by the order of the rector of KSMA dated 10.10.2017.

4.9. Organization and conduct of independent work of students

Independent work of students (hereinafter referred to as IWS) is an educational, research and socially significant activity of students aimed at the development of general and professional competencies, which is carried out without the direct supervision of the teacher, but with his guidance, advice and control.

Independent work is an integral part of the educational process. In accordance with the requirements of SES, it should be 50% of the total hours provided for the development of the main educational program in the humanities and natural science blocks and 30% in the professional block.

The types of IWS are determined by the requirements of the SES, the content of the academic discipline, the degree of readiness of students and are approved at the department when

developing the educational and methodological complex (work program), the academic discipline (module) of the main educational program.

The methodology of organizing the IWS depends on the structure, nature and features of the discipline being studied, the amount of hours spent on its study, the type of tasks for independent work of students and the conditions of educational activity.

The organization of the IWS should be aimed at the completion of all planned tasks by all students on time and with the right level of quality, which is a necessary condition for the formation of self-discipline and self-control skills.

IWS planning is carried out within the framework of each main educational program. The SRS should be accompanied by methodological support and justification of the time spent on its implementation. The thematic plan of the IWS, taking into account the hours required for their implementation, is written in the curriculum, and the types and forms of control of the IWS are established by the department and are reflected in the educational and methodological complexes of each discipline (module).

Control over the course and results of the IWS are carried out by the teacher of the discipline systematically, including in the course of classroom classes (lectures, seminars, practical and laboratory). The results of the IWS are evaluated during the current control and are taken into account during the intermediate certification of students in the studied discipline. The IWS is organized and implemented in accordance with the Regulations on independent work of students, approved by the Order of the Rector of KSMA dated 04.03.2013.

4.10. Organization and implementation of production practices

The students ' production practice (hereinafter referred to as PP) is the most important part of the educational process in the preparation of specialists with higher medical education and represents a systematic and purposeful activity of students to master practical skills and in-depth consolidation of theoretical knowledge at each stage of training.

The purpose of the internship is to teach students practical skills and prepare them for independent professional activity in their chosen specialty.

All practices are regulated by the Regulations on the Production practice of students of KSMA, approved by the Order of the Rector dated 03.03.2018. The management, coordination and methodological support of practical training are carried out by the Department of production practice of KSMA. Responsible teachers are appointed to guide the students ' practice.

The practice is conducted in accordance with the programs developed at the relevant Departments of production practice, reviewed by the Educational and Methodological Profile Committee (hereinafter EMPC) in the specialty “General Medicine” and approved by the Main

Educational and Methodological Committee (hereinafter MEMC) of the I. K. Akhunbaev KSMA.

When implementing the MEP training of specialists in this specialty, PP is provided for:

- volunteer practice 1 course during the year - 2 credits
- assistant nurse 2 course-2 credits;
- assistant paramedic of emergency medical care 3rd year – 2 credits;
- assistant to a hospital doctor 4th year – 6 credits;
- assistant doctor of the GSV 6 course-4 credits.
- Assistant to the doctor of emergency and emergency care 6 course-1 credit

The bases of industrial practice are medical organizations:

• National Hospital of the Ministry of Health of the Kyrgyz Republic;
• National Center for Cardiology and Therapy named after academician M. Mirrakhimov;
• National Surgical Center;
• National Center of Oncology;
• National Center for Maternal and Child Health;
• National Center for Phthisiology;
• Research Institute for Heart Surgery and Organ Transplantation;
• Research Center of Traumatology and Orthopedics;
• Republican Clinical Infectious Diseases Hospital;
• Republican Center for Mental Health;
• Red Crescent of Kyrgyzstan;
• Bishkek city retirement home;
• Clinical maternity hospital №2 in Bishkek;
• City Perinatal Center of Bishkek;
• City Clinical Hospital No. 1 in Bishkek;
• City Clinical Hospital No. 6 in Bishkek;
• City Children Hospital Clinical for Emergency Medical Aid in Bishkek;
• City Station of Ambulance and Emergency Medical Aid in Bishkek;
• Family Medicine Centers No. 2,3,4,6,7,8,9,10, 11,13,15,16,17,18,19, of Bishkek city;
• Chui Regional Center for Family Medicine;
• Emergency Center;
• Chui Regional United Hospital;
• Sokuluk Family Medicine Center; Moscow District Territorial Hospital;
• Joint territorial hospital of Zhayil region;

• Tokmok territorial Hospital;
• October territorial Hospital;
• Jalal - Abad Regional United Hospital;
• Jalal - Abad Family Medicine Center;
• Suzak Territorial Hospital;
• Ala - Buka territorial Hospital;
• Healthcare Policy Annalysis Center Toguz - Torous region;
• Issyk - Kul territorial Hospital;
• Healthcare Policy Annalysis Center Zheti - Oguz region;
• Naryn Oblast United Hospital;
• Naryn Regional Center for Family Medicine;
• At - Bashinskiy territorial hospital;
• Ak-Tala Family Medicine Center;
• Kochkor territorial Hospital;
• Kochkor Family Medicine Center;
• Talas Regional United Hospital;
• Talas regional Family Medicine Center;
• Osh interregional Clinical Hospital;
• Osh Oblast United Hospital;
• Osh city ambulance station;
• Osh Interregional Oncology Center;
• Alai territorial Hospital;
• Karasuu regional Family Medicine Center;
• Karasuu territorial Hospital;
• Nookat territorial Hospital;
• Batken regional Family Medicine Center;
• Batken Regional United Hospital;
• Kadamjai territorial Hospital;

During the practical training, all students fill out an assignment book, where they write down daily the work done for the day and the Journal of mastering practical skills, indicating the practical manipulations worked out and their number, which are signed by the direct clinical supervisor. At the end of the PP, the student draws up a “Summary Report on the PP”, certifying it with the signature of the head of the practice and the seal of the health care institution. At the end of the PP, the student passes a test with a differentiated assessment to the head of the

practice. Students who have completed their internship at the place of residence are certified according to the schedule drawn up by the PP sector of the certification commission established by the Order of the Rector from among the KSMA teaching staff in the center for the development of clinical skills, knowledge assessment and industrial practice.

5.0. The procedure and organization for quality assessment mastering of the educational program by students.

The assessment of the quality assessment mastering of the educational program by students is provided by the implementation of the following directions:

- creation of a quality management system for the educational process;
- monitoring of updating and reviewing work programs by discipline;
- ensuring the professionalism and competence of the teaching staff;
- regular internal audit according to agreed criteria for assessing the performance and comparing the quality indicators of the educational process with other medical educational institutions (with the involvement of representatives of the employer);

In accordance with the State Educational Standard of Higher Professional Education in the specialty 560001 Medicine, the assessment of quality assessment mastering of the educational program by students includes current monitoring of progress, intermediate and state final attestation.

5.1 The forms of ongoing monitoring of progress include:

- oral questioning;
- test control;
- checking the completion of written homework;
- protection of laboratory work;
- assessment of control works;
- checking the solution of situational tasks;
- assessment of the level of mastering practical skills;
- assessment of the implementation of abstracts, reports, case histories, etc .;
- control of work with biological material;
- other forms of control.

5.2. Intermediate attestation (exam, test) is carried out in accordance with the Regulations on the current monitoring of progress and intermediate certification, approved by the order of the rector of KSMA dated January 21, 2018.

A control test is a form of final verification of the students' mastery of theoretical material and practical skills in an academic discipline, as well as a form of verification of the results of practical training. In accordance with the working curricula of specialties, credits can be established both for the subject as a whole and for its individual parts. The tests are carried out after the completion of all types of training sessions provided for in the curriculum in the relevant discipline before the start of the examination session.

The exam is a form of the final test of the students' assimilation of theoretical material and practical skills in the academic discipline. Exams are taken during the periods of examination sessions provided by the curriculum. The list of exams and tests, as well as the period of their conduct, are established by the curriculum. At all departments, in accordance with the changes taking place, educational and methodological complexes of disciplines are regularly updated.

5.3. Final State Attestation of graduating students

The Final State Attestation of a graduate of a higher educational institution is mandatory and is carried out after mastering the educational program in full. The final attestation tests are designed to determine the practical theoretical preparedness of a graduate to perform professional tasks established by the state educational standard, and to continue education in an internship, residency or postgraduate study in theoretical areas of medicine.

The student must show his ability and readiness, relying on the acquired in-depth knowledge, skills and formed general cultural and professional competencies, independently solve the problems of his professional activity at the modern level, professionally present special information, scientifically argue and defend his point of view.

Tickets and additional attestation materials are drawn up taking into account the objectives of the requirements of qualification characteristics, curricula, work programs, recommendations, regulations, instructions of the educational and methodological department of KSMA. Tickets are formed in advance, discussed at meetings of departments, reviewed by teachers of related departments, discussed and approved at meetings of the Educational and Methodical Committee. Students who do not have academic debt and who have fully completed the curriculum or individual curriculum are admitted to the Final State Attestation.

The purpose of the Final State Attestation is to establish the level of preparedness of the graduate to perform professional tasks and the compliance of his training with the requirements of the state educational standard of higher professional education (SES HPE).

The total labor intensity of the Final State Attestation is 5 credits for the 2020-2021 academic year. The commissions are guided in their activities by the “Regulations on the final state certification of graduates of higher educational institutions of the Kyrgyz Republic” (approved by Order No. 10179 of the Ministry of Education and Science of the Kyrgyz Republic of September 15, 2015) and the regulations on the Final State Attestation No.137 dated May 24, 2018.

Final State Attestation is carried out in stages according to the schedule and includes mandatory certification tests:

1. Interdisciplinary comprehensive exam on the History of Kyrgyzstan, geography of Kyrgyzstan, Kyrgyz language and literature (test exam at the end of the IV semester)
2. Interdisciplinary 3-stage complex exam in the specialty at the end of the XII semester:

1st stage - supervision at the patient's bedside;

2nd stage - interdisciplinary testing;

3rd stage - oral questioning of the ticket.

Subject to the successful completion of all the established forms of conducting the Final State Attestation, the graduate of the academy in the specialty 05.31.01 “General Medicine” is awarded the qualification “Doctor of Medicine” and is issued a state diploma of higher professional education.

Section 6. Documents regulating the content and organization of the educational process in the implementation of this MEP HPE

The content and organization of the educational process in the implementation of the MEP in the specialty “General Medicine” are regulated by:

- SES HPE in the direction of “General Medicine”, approved by the Government decree of the Kyrgyz Republic of September 15, 2015, Order of the Ministry of Education and Science of the Kyrgyz Republic No. 1179;
- Curriculum for 2018-2019 academic year
- teaching materials of disciplines;
- the annual calendar of the educational process;
- the Final State Attestation program;
- other regulatory documents of the KSMA;