

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,

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on “21” December, 2018



MAIN EDUCATIONAL PROGRAM
HIGHER PROFESSIONAL EDUCATION

Direction of training (specialty) 560001 “General Medicine” for foreign citizens

Qualification (degree) of the graduate – **Specialist (Doctor of Medicine)**

Form of study – **full-time**

Standard term of the program development

(based on 12 years of fundamental secondary education) – **5 years**

Total – **300 credits**

BISHKEK 2018

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Unit 1. GENERAL PROVISIONS

1.1. Definition of the HPE Main Educational Program

The main educational program of higher professional education (MEP HPE), implemented at the I. K. Akhunbaev KSMA (KSMA) in the specialty 560001 – “General Medicine”, is a complex of documents developed and approved by the university taking into account the labor market requirements on the basis of the state educational standard of higher professional education (SES HPE) in the specialty.

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

To determine the structure of the MEP HPE and the complexity of its development, a credit (credit units) system is used. Credit is a unified unit of measurement of the labor intensity of the student's academic load, which includes all types of educational activities provided for in the curriculum.

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

The MEP HPE training of specialists in the specialty 560001 "General medicine" provides for the conduct of students educational and internship.

The internship organization provided for by the educational program is carried out by KSMA based on contracts with medical organizations.

1.2 Basic terms and definitions

The Basic Educational Program uses terms and definitions 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 accordance with the established procedure:

- **the main educational program** - a complex of educational and methodological documentation that regulates the goals, expected results, content and organization of the implementation of the educational process in given field of training (specialty) of higher professional education;
- **direction of training** - a complex of educational programs for the training of personnel with higher professional education (specialists) of various profiles, integrated on the basis of fundamental training commonality;
- **profile** – the focus of the main educational program on a specific type and (or) object of professional activity;
- **cycle of disciplines** – a part of the educational program or a complex of academic disciplines that has a certain logical completeness in relation to the established goals and results of training, education;

- **module** – a part of an 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 professional activity in the specialty 560001 “General Medicine”;
- **credit (credit unit)** – a conditional measure of the labor intensity of the main professional educational program;
- **learning outcomes (result)** – competencies acquired as a result of training in the main educational program/module.

Abbreviations and designations. The following abbreviations are used in this basic educational program:

- SES** – State Educational Standard;
- HPE** – higher professional education;
- MEP** – main educational program;
- EMD** – educational and methodological department;
- DC MEP** – discipline cycle of the main educational program;
- GSC** – General scientific competencies;
- IC** – Instrumental competencies;
- SCC** – students' choice course
- PC** – Professional competencies;
- SPC** – social-personal and general cultural competencies;
- EMPC** – educational and methodological profile committee

1.3 Regulatory documents for the development of MEP HPE

1. Law of the Kyrgyz Republic " On Education " of April 30, 2003 No.92;
2. The Regulation on the educational organization of Kyrgyz Republic higher professional education, approved by the Kyrgyz Republic Government Resolution No.53 of February 3, 2004;
3. The National program for the reform of the health care system of the Kyrgyz Republic "Den sooluk" developed for 2012-2016;
4. Normative legal acts regulating the activities of educational organizations of Kyrgyz Republic higher and secondary professional education, approved by the Kyrgyz Republic Government Resolution No. 346 of May 29, 2012.
5. The ordinance of the KSMA (approved by the Kyrgyz Republic Ministry of Education and Science on 12.09.2013, approved by the Order Kyrgyz Republic Ministry of Health on 04.10.2013 No.581 and registered by the Kyrgyz Republic Ministry of Justice on 15.11.2013);
6. Order of Kyrgyz Republic Ministry of Education and Science "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 Kyrgyz Republic Government “On the delegation of certain normative powers of the Kyrgyz Republic Government to a number of State executive authority, and the integration of higher professional education into the international educational space” dated September 15, 2014 No. 530.
8. The order of the Kyrgyz Republic Ministry of education and science "On approval of state educational standards of higher professional education" from 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 Order of the Kyrgyz Republic Ministry of education and science on September 15, 2015 No. 1179/1.
10. Order of the Kyrgyz Republic Ministry of Education and Science "On Amendments to the State Educational Standards and Curricula of Higher Education" (No. 1455/1 of 27.11.2017).
11. Resolution of the Kyrgyz Republic Government "On Approval of the temporary regulation on the procedure for licensing educational activities of the Kyrgyz Republic" (No. 334 of 23.07.2018)
12. The position of the basic educational program of HPE, approved by order of the rector of KSMA No. 411 of 19.12.2018
13. The position of the current control and intermediate certification, approved by order of the rector of KSMA from 21.01.2018
14. The position of the course (elective), approved by order of the rector of KSMA from 10.10.2017
15. The position of students self-study, approved by order of the rector of KSMA from 04.03.2013
16. The position of the internship, approved by order of the rector of KSMA from 03.03.2018
17. The position of the State final certification, approved by the order of the Rector of KSMA No. 137 of 24.05.2018.
18. The position of computer testing, approved by the order of the Rector of KSMA of 16.10.2018.
19. Experimental curriculum (approved by the Kyrgyz Republic Ministry of Education and Science of 21.07.2017).

1.4 GENERAL CHARACTERISTICS OF MEP HPE

In the Kyrgyz Republic, the SES HPE is implemented in the specialty 560001 "General Medicine". Mastering the MEP HPE and passing successfully the state final certification, a diploma of higher professional education with the qualification "Doctor" is issued in accordance with the established procedure.

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

1.4.1. The standard period of mastering the MEP HPE in the specialty "Doctor" 560001 "General Medicine" on the basis of secondary general or secondary/higher professional education only in full-time training is 5 years.

1.4.2. The total labor intensity of mastering the MEP is 300 credits. The labor intensity of the MEP HPE for the academic year is 60 credits. The labor intensity of one semester is equal to 30 credits with a two-semester construction of the educational process. Taking into account the sequence of disciplines in the curriculum, the academy has the right to vary the labor intensity of one semester from 28 to 32 credits, while not exceeding the established 60 credits in the academic year. One credit (credit unit) is equivalent to 30 hours of student academic work

(including classroom work, independent work, and all types of certification). The total duration of 2-hour classes is 90 minutes, 3 – hour classes-135 minutes. The academic year ends on time, according to the curriculum and calendar schedules of the academy. The total amount of vacation time in a year is 7-10 weeks, including at least two weeks in winter. The maximum amount of students training per week is set by the State Educational Standard of Higher Professional Education and is 45 hours. In the implementation of educational activities in the MEP, the KSMA provides: the implementation of disciplines (modules) through training sessions (including the ongoing monitoring of academic performance and intermediate certification of students); the implementation of practices (including the certification of students) and the state final certification of students. In organizing the educational activities of the KSMA, the modular principle of presenting the MEP HPE and building curricula can be used.

1.4.3 Requirements for the applicant

The admission committee of the KSMA is guided and performs its work in accordance with the normative legal acts of the Kyrgyz Republic regulating the rules of admission to higher education institutions of the country: "The Law on Education", "The procedure for admission to higher educational institutions of the Kyrgyz Republic". Annually approved "Rules for the admission of applicants to the I. K. Akhunbayev KSMA" and "Regulations on the admission of foreign citizens to study at the KSMA".

Admission of foreign citizens from non-CIS countries is carried out through an official representative of the KSMA, who attracts foreign applicants for training. The official representative works based on a signed cooperation agreement with KSMA, which gives him the right to recruit applicants for admission in accordance with the quota allocated by the Ministry of Education and Science of the Kyrgyz Republic. The official representative submits an application for visa support for a foreign applicant, which is prepared by the IRD and submitted to the Department of Consular Service of the Ministry of Foreign Affairs of the Kyrgyz Republic. A foreign citizen applies to the Embassy of the Kyrgyz Republic in the country of origin to obtain a study visa of the Kyrgyz Republic. After arriving in the Kyrgyz Republic, the official representative helps to collect the necessary documents for admission to the KSMA. After that, the foreign applicant is allowed to pass the entrance exam, which is conducted by the method of blank testing with computer processing of the results. If a foreign applicant successfully passes the entrance tests, he is enlisted in the 1st year and he enters into a training contract with KSMA.

2. CHARACTERISTICS OF THE GRADUATE PROFESSIONAL ACTIVITY IN THE SPECIALTY 560001 “GENERAL MEDICINE”

2.1. Educational goals and objectives of the MEP HPE

The purpose of the MEP HPE in the specialty 560001 "General Medicine" in the field of training is: to prepare a doctor who has general and special competencies, common and subject-specific competencies that contribute to his social mobility and stability in the labor market, readiness for postgraduate training with subsequent implementation of professional medical activities in the chosen field.

The goal in the field of personal education is: to develop students ' sense of purpose, organization, hard work, responsibility, citizenship, communication skills, tolerance, and improvement of general culture.

To achieve these goals, the following tasks are defined:

* meeting the needs of the individual for intellectual, cultural and moral development through 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 the moral, cultural and scientific values of the society.

2.2. The field of professional activity of a specialist includes a complex of technologies, tools, methods of human activity aimed at preserving and improving the health of the population by ensuring the proper quality of medical care (therapeutic and preventive, medical and social) and dispensary supervision.

2.3. The objects of specialist professional activity are:

- children and adolescents aged 15 to 18 years;

- a complex of tools and technologies aimed at creating conditions for the preservation of health, ensuring the prevention, diagnosis and treatment of diseases.

2.2. Types of professional activity of the graduate:

- preventive;

- diagnostic;

- therapeutic;

- rehabilitation;

- psychological and pedagogical;

- organizational and managerial structure;

- research and development.

2.3. Tasks of graduate professional activity

A doctor in the specialty 560001 “General Medicine” must solve the following professional tasks in accordance with the types of professional activity:

• *Preventive activities:*

- implementation of measures to promote 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-epidemic measures aimed at preventing the occurrence of diseases;

- implementation of dispensary monitoring 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:*

- diagnosis of diseases and pathological conditions in children, adolescents and adults based on the knowledge of propaedeutic and laboratory-instrumental methods of research;

- 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;

- management of physiological and pathological pregnancy;

- providing medical care to adults, adolescents and children in emergency situations;

- carrying out medical evacuation measures in an emergency situation and providing medical assistance to the population in extreme conditions of epidemics, in centers of mass destruction;
- organization of work with medicines and compliance with the rules of their use and storage.
- *Rehabilitation activity:*
 - carrying out rehabilitation activities among adults, adolescents and children who have suffered a somatic disease, trauma or surgical intervention;
 - the use of physical therapy, physiotherapy and resort factors in adults, adolescents and children, for preventive purposes and in need of rehabilitation.
- *Educational activity:*
 - 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 of adults, adolescents and children in the main health-improving activities that contribute to the prevention of diseases and health promotion.
- *Organizational and managerial type of activity:*
 - knowledge of the health organization system and the patient referral system;
 - maintaining medical records in the hospital and at the PHC level;
 - compliance with the quality of medical and diagnostic and rehabilitation and preventive care for adults and children;
 - conducting business correspondence (memos, letters, etc.).
- *Research activity:*
 - analysis of scientific literature and official statistical reviews;
 - preparation of reports on the specialty;
 - participation in the statistical analysis and preparation of a report on the completed study.

3. MEP GENERAL REQUIREMENTS (COMPETENCIES) IN THE SPECIALTY THE COMPETENCE OF A UNIVERSITY GRADUATE AS A CUMULATIVE EXPECTED RESULT OF EDUCATION AFTER COMPLETION OF THE MEP HPE STUDY DEVELOPMENT

The results of mastering the 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. A graduate of the specialty 560001 "General Medicine" with the assignment of the qualification of a specialist "Doctor" in accordance with the goals of the MEP and the tasks of professional activity, must have the following competencies:

3.1. Common competencies

3.1.2. General Scientific competencies (GC)

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

GC-2-is capable of analyzing worldview, socially and personally significant problems, the main philosophical categories, and self-improvement;

GC -3-is capable of analyzing significant political events and trends, mastering the basic concepts and laws of the world historical process, respecting and caring for historical heritage and traditions, and having knowledge of historical and medical terminology.;

GC -4-is able to analyze economic problems and social processes, use methods of economic relations in the health care system;

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

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

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

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

3.1.2. Instrumental competencies (IC)

IC -1 - ability to work independently with a computer (basic 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 - is able to use management 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. Socio-personal and general cultural competencies (SPC)

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

SPC -2-is able and ready to identify the natural-scientific nature of problems that arise in the course of a doctor's professional activity;

SPC -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 of collecting, medical, and statistical analysis of information on the health indicators of the child population;

SPC -5-is able to use methods of assessment of natural (including climatic and geographical conditions and medical - social environmental factors in the development of diseases in children and adolescents, to carry out their correction;

3.1. Professional

3.1.1. Professional competencies

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

PC-2-is able 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 patient of an adult and a child;

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

PC-4-is able to apply methods of asepsis and antiseptics, use medical tools, master the technique of caring for sick adults and children;

PC-5-is able to work with medical and technical equipment used in working with patients, own computer equipment, receive information from various sources, work with information in global computer networks, use 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 health facilities.

3.2.2. Preventive activities

PC-7-to carry out preventive measures to prevent infectious, parasitic and non-communicable diseases, to carry out sanitary and 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, to carry out general health measures to form a healthy lifestyle, taking into account risk factors, to make recommendations on healthy nutrition;

PC-9-is able to select individuals for observation, taking into account the results of mass tuberculin diagnostics and fluorography examination, and evaluate its results for the purpose of early detection of tuberculosis;

PC-10-is able to carry out anti-epidemic measures; protect the population in hotbeds of particularly dangerous infections, in case of deterioration of the radiation situation 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 the 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 adults and children in 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 capable of teaching middle (secondary) and junior medical personnel and patients the rules of the sanitary and hygienic regime, ethical and deontological principles;

PC-22-is capable 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 managerial 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. Referral and redirection system;

PC-25-is able to provide a rational organization of the work of middle (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 MEP HPE goals the result of training(RT) are highlighted:

RT1 - the ability to apply basic knowledge of the field of social-humanitarian, natural-scientific, economic and medical, biological disciplines in their professional activities (SC1, SC2, SC3, SC4, SPC2)

RT2 - 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 (SC5, SC6, IC2)

RT3 - the ability to carry out their activities taking into account accepted in society moral and legal norms (SC8, TR1, SPC1)

RT4 - the ability to apply modern information technology and medical-technical equipment in their practice (IC1, SC5)

RT5 - 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 (SC7, IC3, PC23, PC24, PC25)

RT6 -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)

RT7-the ability to use the results of clinical and laboratory-instrumental studies to make a diagnosis and determine the scope of therapy (TR2, TR11, TR13)

RT8 - 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)

RT9 - 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, TR8, PC9, PC22)

RT10 - 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)

RT 12 - the ability to carry out rehabilitation activities among adults, adolescents and children who have suffered a physical illness, injury or surgery and knowledge of the basic examination of disability (PC19, PC20, PC26)

RT 13 - the ability to collect and process health-statistics for the analysis of information on indicators of population health (SPC3, SPC4, SC6)

RT 14 - the ability to research activities based on the principles of evidence-based medicine to develop new methods and technologies in health (IC4, SPC2, SPC3, PC27).

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

4. GENERAL REQUIREMENTS FOR MEP IMPLEMENTATION CONDITIONS

4.1. Requirements for the MEP structure in the specialty

The MEP in the specialty 560001 "General Medicine" provides for the study of the following educational cycles:

C. 1-humanitarian, social and economic cycle;

C. 2-mathematical and natural science cycle;

C. 3-professional cycle and sections;

C. 4 -practice;

C. 5.-Additional types of training;

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

The basic part is mandatory and ensures the formation of universal and professional competencies for students established by the SES HPE, corresponding to the type (types) of professional activity that the educational program is focused on.

The variable part 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 SES HPE 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 SES HPE (if they are established). The content of the variable part is formed in accordance with the orientation (profile) of the educational program.

The variable part 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. Direction (specialty) General Medicine should have the following forms of curricula:

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

Developing basic, working and individual training plans, the requirements of the SES HPE for the corresponding direction (specialty) of training must be met.

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

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 certification, and student holidays, and is developed taking into account the requirements of the SES HPE.

4.3. Staffing of the educational process

Scientific and pedagogical personnel who have a basic education corresponding to the profile of the discipline taught, and an academic degree or experience in the relevant professional field and are systematically engaged in scientific and/or scientific and methodological activities should provide the implementation of the main educational program for training a specialist.

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" (23.07.2018, No. 334), the share of full-time teachers to the total number of teachers of the educational program should be 70%. 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 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 in compulsory subjects and methodological manuals, for additional literature-also 1 textbook per student.

The subscription fund for the service of readers of the medical faculty with the English language of instruction is more than 8000 copies.

Every year, teachers and students subscribe to scientific medical journals and newspapers.

The electronic library's collection consists of 4437 textbooks, teaching materials, and video materials.

* Full-text database of textbooks, textbooks for foreign citizens – 3079.

- The KSMA library, in addition to the main library fund, has an extensive electronic database for all disciplines in the number of 650 sources.

In the library for students, there are EBOOKREADER e-books – 417 pcs, which contain about 35 books.

The electronic library provides access to medical electronic resources in the classroom-reading mode, there is access to medical databases on the Internet. Two electronic resource halls with 29 terminals are located in the main building. One hall of electronic resources for 10 terminals in the morph corpus.

The employees of the EL place the Russian electronic Library eLibrary.RU scientific articles. Total sent: 43 issues of the journal, 1,373 articles, including in English.

For more complete access to electronic resources of the I. K. Akhunbaev KSMA library users, the library's own official website has been created (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 the KSMA.

The site contains information about new supply of printed publications.

The library staff holds annual book exhibitions. Create and place virtual exhibitions on the library's website.

The library has implemented an automated library system "IRBIS" The library has installed modules:

"ADMINISTRATOR", "AGGREGATOR", "CATALOGER", "READER", "BOOK DISTRIBUTION".

Services for students of foreign citizens are provided by:

1. A subscription service for readers of the “General Medicine for foreign citizens” in the main building (Akhunbaev St., 92 main building, 1st floor, room 33)
2. A subscription service for readers of the “General Medicine for foreign citizens” in a student campus. I. K. Akhunbaev (Tash-Dobo, Shkolnaya street, 20, student campus, I. K. Akhunbaev)
3. Reading room for readers of the “General Medicine for foreign citizens” in the main building for 10 seats (Akhunbaev Street 92, main building, 1st floor, room 33)
4. Reading room for readers of the “General Medicine for foreign citizens” in the I. K. Akylbekov student campus for 30 seats (Tash-Dobo, Shkolnaya str., 20 I. K. Akhunbaev student campus)

For the convenience (comfort) of students, a new reading room in the morph campus with 20 seats was opened in 2018. In 2019, a new hall of electronic resources in the morph campus for 10 seats. The main educational program is provided with educational and methodological documentation and materials for all training courses, disciplines (modules) of the main educational program.

The KSMA operates the official website of the library <http://library.kgma.kg/>, where access to the electronic data catalog of the library, the database of teaching manuals and lectures in online mode is provided, 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 in English.

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 Kyrgyz Republic Government "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 training programs based on the requirements of the SES determine mandatory textbooks and teaching aids. Replicated copies of lecture notes from electronic textbooks are used as textbooks. Each student is provided with access to the library collection, which consists of the following list of titles of foreign medical journals, 342 copies.

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 system for intellectual property, patents and trademarks;
- * databases on electronic components (medical search system - MedExplorer, MedHunt, PubMed, etc.).

4.5. Material and technical support of the educational process

KSMA, which implements the main educational programs for training specialists, has a material and technical base that provides for all types of laboratory, disciplinary and interdisciplinary training, practical and research work of students provided for in the curriculum of the university and complies with the current sanitary and fire safety rules and regulations.

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 social-economic disciplines, hygiene, public health and public health;
- offices equipped for the reception and display of patients;
- 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, using electronic publications, the university must have at least 7 computers with Internet access for 100 students.

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 academy is provided with the necessary set of licensed software.

The usable area per student is 21.3 sq. m., 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 area of the “General Medicine for foreign citizens” is about 25,421. 86 sq. m.

4.6. 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 and professional competencies in accordance with the requirements of the SES HPE approved by the Government of the Kyrgyz Republic on September 28, 2015.

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 stand and 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 academy 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 academy environment that ensure the development of general cultural (social and personal) competencies of graduates

The social-cultural environment is created as a result of the implementation of the main directions of the educational, research activities of the faculty. The social-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 social-cultural processes that contribute to strengthening the moral, civic, patriotic and general cultural qualities of students: the department of educational work, student clubs, NOMUS.

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. Its work is aimed at maintaining an atmosphere of respect for the people around him and the world in general at the university.

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 KSMA, the Intellectual Club "Alliance Club", FRC.

KSMA actively operates such student clubs as the Literary Club "Conconiere", the Debate Club "We & World". The literary club "Conconiere" 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 komuzists "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".

The "Scientific Society of Young Scientists and Students" (NOMUS) was organized 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. Currently, the tasks of NOMUS are: Promoting the coordination of scientific, educational and practical activities of young scientists and students of KSMA; Association and coordination of the activities of all SC departments of KSMA, as well as students engaged in scientific work under the individual guidance of teachers; Assistance in organizing and conducting experimental and research works of students and young scientists at the departments and laboratories; Assistance in organizing and conducting scientific and practical conferences, seminars and educational forums of 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 submitted 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' social-cultural competencies are formed in close cooperation with the curators (tutors) of the groups.

The library complex, the dean's office and group curators (tutors), and the student trade union committee participate in the formation of the social-cultural environment and in the educational activities of students. This work also ensures the development of general cultural and social-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 courses of students' choice courses (SCC).

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

SCC 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 educational department in the working curricula. SCC 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 SES. Courses of students' choice are organized and implemented in accordance with the Regulations on SCC (elective), approved by the order of the rector of KSMA dated 10.10.2017.

4.9. Organization and conduct of students self-study

Students self-study/independent work of students (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 the State budget, 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(working 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.

All students should aim the organization of the IWS at the completion of all planned tasks 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 IWS 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 the teacher of the discipline carries out results of the IWS 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 internship

The students' internship 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 KSMA students' internship, approved by the order of the rector of 03.03.2018. The department of internship of KSMA carries out the management, coordination and methodological support of practical training. Responsible teachers are appointed to guide the students' practice.

The practice is conducted in accordance with the programs developed at the relevant departments of internship, reviewed by the educational and methodological profile committee (EMPC) in the specialty "General Medicine" and approved by the main educational and methodological committee (MEMC) of the I. K. Akhunbayev KSMA.

Implementing the MEP training of specialists in this specialty, internship is provided for:

- assistant nurse 2 course-2 credits;
- assistant medical assistant (paramedic) of ambulance and emergency medical care 3 course-2 credits;
- assistant of a hospital doctor 4 course – 4 credits;
- assistant doctor of the FDG FMC 4, 5 course-6 credits.

The bases of internship are medical organizations:

- National Hospital of the Ministry of Health of the Kyrgyz Republic;

- M. Mirrakhimov National Center of Cardiology and Therapy;
- National Surgical Center;
- National Cancer Center;
- National Center for Maternal and Child Health;
- National Center of Phthysiology;
- Research Institute of Heart Surgery and Organ Transplantation;
- Research Center of Traumatology and Orthopedics;
- Republican Clinical Infectious Diseases Hospital;
- Republican Center for psychological health;
- Red Crescent of Kyrgyzstan;
- Bishkek City Residential Home for the Elderly;
- City Maternity Hospital No. 2, Bishkek;
- Bishkek City Perinatal Center;
- Bishkek City Clinical Hospital No. 1;
- Bishkek City Clinical Hospital No. 6;
- Bishkek City Clinical Children's Emergency Hospital;
- Bishkek City Ambulance and Emergency Medical Service Station;
- Family Medicine Centers No. 2,3,4,6,7,8,9,10,15,18 Bishkek;
- Chui Regional Center for Family Medicine;
- Chui Regional United Hospital;
- Sokuluk FDC; Moscow Territorial Hospital;
- Osh Inter-Regional Clinical Hospital;
- Osh Regional United Hospital.

And also students can pass internship on clinical bases at the place of residence.

During the practical training, all students fill out a Diary, 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 internship, the student draws up a "Summary Report on the internship", certifying it with the signature of the head of the practice and the seal of the health care institution. At the end of the internship, 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 internship 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 internship.

5.0. The order and organization of the quality assessment of learning by students of the educational program.

In KSMA, the educational program learning quality assessment of students is provided through the implementation of the following areas:

- creating a quality management system for the educational process;
- monitoring the updating and reviewing of work programs in the disciplines;
- ensuring the professionalism and competence of the teaching staff;

- regularly conduct internal audits according to agreed criteria to evaluate the activities and compare the quality indicators of the educational process with other medical educational institutions (with the involvement of representatives of the employer);

In accordance with the SES HPE in the specialty 560001 General Medicine, the assessment of the quality of students ' development of basic educational programs includes the current control of academic performance, intermediate and state final certification of students.

5.1. The forms of current monitoring of academic performance 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.

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5.2. Intermediate certification (exam, test) is carried out in accordance with the Regulations on the current control of academic intermediate certification, approved by the order of the rector of KSMA dated 21.01.2018.

The credit test is a form of final verification of students ' mastering of theoretical material and practical skills in an academic discipline, as well as a form of verification of the results of internship. In accordance with the working curricula of specialties, credit test can be set both for the subject as a whole, and for its individual parts. Credit tests are conducted after the completion of all types of training sessions provided for in the training schedule in the relevant discipline before the start of the examination session.

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

5.3. State final certification of graduates

The state final certification of a graduate of a higher educational institution is mandatory and is carried out after he has mastered the educational program in full.

The final certification tests are designed to determine the practical and theoretical readiness of the graduate to perform professional tasks set by the state educational standard, and to continue education in internship, residency or postgraduate studies in the theoretical areas of medicine.

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

Tickets and additional certification materials are compiled taking into account the goals and requirements of the qualification characteristics, curricula, working programs, recommendations,

regulations, and instructions of the educational and methodological department of the KSMA. Tickets are formed in advance, discussed at meetings of the department, reviewed by teachers of related departments, discussed and approved at meetings of the KSMA EMPC.

Students who do not have an academic debt and have fully completed the curriculum or individual curriculum are allowed to participate in the SFC.

The purpose of the state final certification is to establish the level of readiness 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 (MEP HPE).

The total labor intensity of the state final certification is 30 hours for the 2018-2019 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 15.09.2015) and the Regulations on the SFC of the KSMA No. 137 of 24.05.2018

The state final certification is carried out in stages according to the schedule and includes mandatory certification tests:

1. History of Kyrgyzstan (test exam at the end of the third semester)
2. Epidemiology, Public Health and Healthcare for students with a standard study period of 5 years (exam at the end of the IX semester)
3. Interdisciplinary comprehensive exam in the specialty at the end of the X semester:

Stage 1 - curation at the bedside;

Stage 2 - interdisciplinary testing;

Stage 3 - oral interview on the ticket.

Subject to successful completion of all the established forms of SFC, a graduate of the academy in the specialty 560001 "General Medicine" is awarded the qualification "Doctor" and is issued a state-issued diploma of higher professional education.

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

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

- SES HPE in specialty of "General Medicine", approved by the decree of the Government of the Kyrgyz Republic dated September 15, 2015, Order of the Ministry of Education and Science of the Kyrgyz Republic No. 1179;
- Experimental curriculum of the Ministry of Education and Science of the Kyrgyz Republic;
- KSMA curriculum for the 2018-2019 academic year;
- EMC disciplines;
- the annual calendar schedule of the educational process;
- the SFC program;
- other regulatory documents of the KSMA;