

Application
to the order of the Ministry of Education
and science of the Kyrgyz Republic
from "9" october 2023
No. № 5212/1

**MINISTRY OF EDUCATION AND SCIENCE
OF THE KYRGYZ REPUBLIC**

**STATE EDUCATIONAL STANDARD
FOR HIGHER PROFESSIONAL EDUCATION**

**Direction: 560200 - Nursing
Qualification: Bachelor**

Bishkek 2023

This State educational standard of higher professional education for the preparation of bachelors in the direction **560200 Nursing** is approved by the Educational and Methodological Association for Higher Medical and Pharmaceutical Education at the Ministry of Education and Science KR at the base university Kyrgyz State Medical Academy named after I.K. Akhunbaeva

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1. GENERAL PROVISIONS

1.1. This Educational standard of higher professional education in the direction of bachelor's training **560200 - Nursing** higher professional education was developed by the authorized state body in the field of education of the Kyrgyz Republic in accordance with the Law "On Education" and other regulatory legal acts of the Kyrgyz Republic in the field of education and approved in the manner determined by the Cabinet of Ministers of the Kyrgyz Republic.

The implementation of this State Educational Standard is mandatory for all universities implementing professional educational programs for the preparation of bachelors, regardless of ownership and departmental affiliation.

1.2. Terms, definitions, designations, abbreviations

This State Educational Standard for Higher Professional Education uses terms and definitions in accordance with the Law of the Kyrgyz Republic "On Education" and international treaties in the field of higher professional education that have entered into force in the manner prescribed by law, to which the Kyrgyz Republic is a party :

- **the main educational program** - a set of educational and methodological documentation that regulates the goals, expected results, content and organization of the implementation of the educational process in the relevant area of training;
- **direction of training** - a set of educational programs for the training of personnel with higher professional education (bachelors) of various profiles, integrated on the basis of the commonality of fundamental training;
- **profile** - the focus of the main educational program on a specific type and (or) object of professional activity;
- **competence** - a predetermined social requirement (norm) for the educational preparation of the student , necessary for his effective productive activity in a certain area;
- **bachelor** - the level of qualification of higher professional education, giving the right to enter the magistracy and carry out professional activities;
- **master** - the level of qualification of higher professional education, which gives the right to enter graduate school and (or) basic doctoral studies (PhD / by profile) and carry out professional activities;
- **credit** - a conditional measure of the labor intensity of the main professional educational program;
- **learning outcomes** - competencies acquired as a result of training in the main educational program / module;
- **general scientific competencies** - are characteristics that are common to all (or most) types of professional activities: the ability to learn, analyze and synthesize, etc.;
- **instrumental competencies** - include cognitive abilities, the ability to understand and use ideas and considerations; methodological abilities, the ability to understand and manage the environment, organize time, build strategies for learning, decision-making and problem solving; technological skills, skills related to the use of technology, computer skills and information management abilities; linguistic skills, communicative competences;
- **socio - personal and general cultural competencies** - individual abilities associated with the ability to express feelings and attitudes, critical reflection and the ability to self-criticism, as well as social skills associated with the processes of social interaction and cooperation, the ability to

work in groups, accept social and ethical obligations;

– **professional standard** is a fundamental document that defines, within a specific type of professional activity, the requirements for its content and quality and describes the qualitative level of qualification of an employee, which he must meet in order to rightfully take his place in the staff of any organization, regardless of its type of activity.

Abbreviations and symbols

abbreviations and designations are used in this Educational Standard :

HPE - higher professional education;

HNE - higher nursing education;

HEI - higher educational institution;

SES- state educational standard;

MEMC - main educational and methodological committee;

IC - instrumental competencies;

CCS - courses at the choice of students;

PWD - persons with disabilities;

MPI - medical and preventive institution;

GSC - general scientific competencies;

MAP - main educational program;

PC - professional competencies;

SPGCC - social-personal and general cultural competencies;

EMA - educational and methodological associations;

CD MAP - cycle of disciplines of the main educational program;

ES - emergency situations;

ECTS – European Credit Transfer and Accumulation System.

2. APPLICATION

2.1. This State Educational Standard for Higher Professional Education (hereinafter referred to as the SES VPO) is a set of norms, rules and requirements that are mandatory for the implementation of the BEP in the direction of bachelors 560200 - Nursing, and is the basis **for** the development of educational and organizational and methodological documentation, assessing the quality of development the main educational programs of higher professional education by all educational institutions of higher professional education (hereinafter referred to as universities), regardless of their form of ownership and departmental affiliation, licensed in the relevant area of training bachelors in the territory of the Kyrgyz Republic.

2.2. The main users of this GOS VPO in the direction **560200 - Nursing** are:

- administration and scientific and pedagogical (professional and teaching staff, researchers) composition of universities responsible in their universities for the development, effective implementation and updating of basic professional educational programs, considering the achievements of science, technology and the social sphere in this area and level of training;
- students enrolled in the main educational program of the university;
- associations of specialists and employers in the relevant field of professional activity;

- educational and methodological associations and councils that ensure the development of basic educational programs on behalf of the central state executive body in the field of education of the Kyrgyz Republic;
- state executive bodies that provide funding for higher professional education;
- authorized state executive bodies that ensure control over compliance with the law in the system of higher professional education;
- accreditation agencies that carry out accreditation of educational programs and organizations, quality control in the field of higher professional education.

2.3. Requirements for the level of preparedness of applicants

2.3.1. The level of education of an applicant applying for higher professional education with the qualification "bachelor" - must have a secondary general education or a secondary professional (or higher professional) education.

2.3.2. The applicant must have a state document on secondary general or secondary vocational (or higher professional) education.

3. GENERAL CHARACTERISTICS OF THE DIRECTION OF PREPARATION

3.1. In the Kyrgyz Republic, in the direction of training **560200 - Nursing**, the following are being implemented:

- MAP HPE for the preparation of bachelors;
- MAP HPE for the preparation of masters.

Graduates of higher education institutions who have mastered the BEP of HPE for the preparation of bachelors and successfully passed the state final certification in the prescribed manner are issued a diploma of higher education with the qualification "bachelor".

Graduates of universities who have fully mastered the BEP of HPE in the preparation of masters and successfully passed the state final certification in the prescribed manner are issued a diploma of higher education with the qualification "master".

The profiles of the BEP of HPE within the specialty are determined by the university on the basis of the sectoral/sectoral qualifications framework (if any).

3.2. The normative period for mastering the MAP HPE for the preparation of bachelors in the direction **560200 Nursing** on the basis of secondary general or secondary / higher professional education with full-time education is 4 years.

Persons with a secondary vocational education of the appropriate profile (Nursing, Obstetrics, General Medicine) are given the right to master the BEP of HPE for the preparation of a bachelor under accelerated programs. The term of study in the implementation of accelerated programs is determined by the results of recertification (reassessment) of all or part of the learning outcomes in individual disciplines (modules) and (or) individual practices mastered (passed) by a student while receiving secondary vocational education and (or) higher education in a different educational program.

Compliance of the profile of secondary vocational education with the profile of higher professional education is determined by the university independently.

The terms for mastering the MAP of HPE for the preparation of bachelors on the basis of secondary vocational education in full-time education in the framework of the implementation of accelerated programs are at least 3 years.

When studying according to an individual curriculum, regardless of the form of education, the term of study is set by the university independently.

When teaching according to an individual curriculum for people with disabilities, the university has the right to extend the period in comparison with the period established for the corresponding form of education.

Other normative terms for the development of MAP HPE in the direction of training bachelors and masters are established by the Cabinet of Ministers of the Kyrgyz Republic.

3.3. The total labor intensity of mastering the MAP HPE training of bachelors on the basis of secondary general or secondary / higher vocational education in full-time education is at least 240 credits.

The labor intensity of the MAP HPE for full-time education for the academic year is at least 60 credits.

The labor intensity of one semester is equal to at least 30 credits (with a two-semester construction of the educational process).

One credit is equivalent to 30 hours of student work (including classroom, independent work and all types of assessment).

3.4. The goals of the MAP HPE for the preparation of bachelors in the direction 560200 Nursing in the field of training and education of the individual

3.4.1. In the field of training, the goal of the MAP HPE in the direction of training **560200 Nursing** is:

To train high-level nurses with professional competencies capable of addressing public health issues and delivering safe, high-quality, efficient and sustainable health care services and developing their lifelong potential.

3.4.2. In the field of personality education, the goal of the PEP HPE in the direction of training **560200 - Nursing** is:

the formation of social and personal qualities of students: purposefulness, organization, diligence, responsibility, citizenship, a sense of patriotism, communication, tolerance, empathy and improving the general culture.

3.5. Field of professional activity of graduates

The field of professional activity of graduates in the direction of training **560200 - Nursing** includes:

- Health care - maintaining and ensuring the health of the population, improving the quality of life of patients by providing qualified nursing care, conducting preventive work with the population, organizing the work of nursing staff;
- Social services - rehabilitation, care for persons in need of assistance;

Graduates can carry out professional activities in other areas and (or) areas of professional activity, provided that the level of their education and the acquired competencies meet the requirements for the qualification of an employee.

3.6. Objects of professional activity of graduates

The objects of professional activity of graduates in the direction of training **560200 - Nursing** are:

- patients (diagnosis and treatment);

- individual, family, population (prevention, rehabilitation);
- nursing and support staff of health organizations (human resources management, professional development);
- a set of tools and technologies aimed at creating conditions for maintaining health, ensuring prevention, nursing care and observation (management of material resources, document flow).

3.7. Types of professional activity of graduates:

- Health promotion and disease prevention;
- Providing nursing care to people of all ages;
- Providing specialized nursing care;
- Nursing management and professional development.

Specific types of professional activity for which a graduate is mainly preparing should determine the content of his educational program developed by the university on the basis of the relevant professional standard (if any) or together with interested employers.

3.8. Tasks of professional activity of graduates

Bachelor in the direction of training **560200 - Nursing must solve** the following professional tasks in accordance with the types of professional activity:

Health promotion and disease prevention :

- Carrying out activities to preserve and improve the health of the population of different age groups;
- Conducting health promotion activities in the community (groups);
- Conducting disease prevention and health promotion activities;
- Education and counseling of the healthy population, patients and their families;
- Ensuring a safe hospital environment for patients and medical staff;

Providing nursing care to people of all ages:

- Providing nursing care to the adult population;
- Implementation of nursing care for women's health;
- Implementation of nursing care for the health of children and adolescents;
- Providing nursing care to elderly and senile patients;

Providing specialized nursing care:

- Implementation of nursing care in emergency conditions requiring emergency interventions;
- Providing nursing care for mental health and psychosocial integration;
- Provision of palliative care;
- Implementation of nursing care for persons with disabilities and vulnerable groups of the population;
- Provision of nursing care and organization of medical service in case of emergencies;

Nursing Management and Professional Development:

- Documenting the received information about the patient, keeping records and reporting;
- Management of material resources (medicines, equipment, tools);
- Human resources management in health care;
- Compliance with legal and ethical standards of conduct;
- Quality control of the nursing services provided.

4. GENERAL REQUIREMENTS FOR THE CONDITIONS FOR THE IMPLEMENTATION OF THE MAP

4.1. General requirements for the rights and obligations of the university in the implementation of the MAP

4.1.1. Universities independently develop the MAP for the preparation of a bachelor in the direction. The BEP is developed on the basis of the relevant State Educational Standard in the direction of preparation 560200 - Nursing of the Kyrgyz Republic, taking into account the needs of the labor market and is approved by the Academic Council of the university.

Universities are obliged to update the MAP at least once every five years, taking into account the development of science, culture, economics, engineering, technology and the social sphere, adhering to the recommendations for ensuring the quality of education at the university, which are:

- in developing a strategy to ensure the quality of graduate training;
- in monitoring, periodic review of educational programs;
- in the development of objective procedures for assessing the level of knowledge and skills of students, the competencies of graduates based on clear agreed criteria;
- in ensuring the quality and competence of the teaching staff;
- in providing sufficient resources for all ongoing educational programs, monitoring the effectiveness of their use, including through a survey of trainees;
- in regular self-assessment according to agreed criteria to evaluate their activities (strategy) and compare with other educational institutions;
- in informing the public about the results of its activities, plans, innovations.

4.1.2. Assessment of the quality of training of students and graduates should include their current, intermediate and final state certification. Bases of assessment tools are developed and approved by the university.

The requirements for attestation of students and graduates, for the content, volume and structure of final qualifying works are determined by the university, taking into account the Regulations on the State final attestation of university graduates.

4.1.3. When developing the MAP, the possibilities of the university in the formation of the social and personal competencies of graduates (for example, the competencies of social interaction, self-organization and self-government, system-active nature) should be determined. The university is obliged to form the socio-cultural environment of the university, to create the conditions necessary for the comprehensive development of the individual.

The university is obliged to promote the development of the social and educational component of the educational process, including the development of student self-government, the participation of students in the work of public organizations, sports and creative clubs, scientific student societies.

4.1.4. The MAP of the university should contain disciplines of the student's choice. The procedure for the formation of disciplines at the student's choice is established in accordance with the internal regulatory documents of the university.

4.1.5. The university is obliged to provide students with a real opportunity to participate in the formation of their training program.

4.1.6. The university is obliged to familiarize students with their rights and obligations in the

formation of the MAP, to explain that the disciplines chosen by students become mandatory for them, and their total labor intensity should not be less than that provided for by the curriculum.

4.2. General requirements for the rights and obligations of a student in the implementation of the MAP

4.2.1. Students have the right, within the amount of study time allotted for the development of academic disciplines of the student's choice, provided for by the MAP, to choose specific disciplines.

4.2.2. When forming their individual educational trajectory, the student has the right to receive advice at the university on the choice of disciplines and their impact on the future training profile (specialization).

4.2.3. In order to achieve results in the development of the MAP in terms of the development of SLK, students are required to participate in the development of student self-government, the work of public organizations, sports and creative clubs, scientific student societies.

4.2.4. Students are required to complete all the tasks stipulated by the MAP of the university in a timely manner.

4.3. The maximum volume of a student's study load is set at 45 hours per week, including all types of classroom and extracurricular (independent) study work.

The volume of classroom lessons per week for full-time education is determined by the SES, taking into account the level of higher education and the specifics of the direction of training, and is at least 50% of the total volume allocated for the study of each academic discipline.

The hours allotted for independent work in an academic discipline include the time provided for preparing for an exam in a given academic discipline (module).

4.4. The total amount of vacation time in the academic year should be 7-10 weeks, including at least two weeks in the winter.

5. REQUIREMENTS FOR PEP FOR BACHELOR TRAINING

5.1. Requirements for the results of mastering the OOP training for a bachelor

Graduate in the direction of training **560200 - Nursing** with the qualification "bachelor", in accordance with the objectives of the MAP and the tasks of professional activity specified in paragraphs. 3.4 and 3.8 of this MAP HPE, must have the following competencies:

a) universal:

- general scientific competences (GSC):

GSC-1 - able and ready to collect information, conduct content analysis, identify links between elements, structure the information received, generalize, systematize, transform information, highlight the main thing;

GSC -2 - able and ready to adapt knowledge to new conditions, generate ideas, offer original solutions;

GSC -3 - capable and ready plan, evaluate the level of achievement of the goal, predict the consequences, identify the causes of errors in solving the tasks.

- instrumental competencies (IC):

IC-1 - capable and ready to work with computer equipment and software for system and application purposes for solving professional problems;

IC -2 - is able and ready to use information, bibliographic resources and information and communication technologies, considering the basic requirements of information security;

IC -3 - capable and ready for written and oral communication in the state language and official languages, the ability to master one of the foreign languages to solve professional problems;

IC-4 - able and ready to use management methods; organize the work of performers; demonstrate leadership qualities in making responsible management decisions in the face of various opinions and within the framework of their professional competence;

- social-personal and general cultural competences (SPGCC):

SPGCC-1 - able and ready to implement ethical, deontological and bioethical principles in professional activities;

SPGCC -2 - capable and ready for professional communication techniques; build interpersonal relationships, work in a group, constructively resolve conflict situations, tolerantly perceive social, ethnic, confessional and cultural differences;

SPGCC -3 - is able and ready to carry out its activities taking into account the moral and legal norms accepted in society, comply with laws and regulations on working with confidential information, bear social and ethical responsibility for the decisions made;

SPGCC -4 - capable and ready for logical and reasoned analysis, for public speech, discussion and polemics, for the implementation of educational and educational activities, for cooperation.

b) professional (PC):

Health promotion and disease prevention :

PC-1 - able and ready to promote a healthy lifestyle, provide information on the most dangerous, common risk factors for public health and identify risk groups for developing various diseases;

PC-2 - is able and ready to carry out sanitary and hygienic education of the population and educational activities aimed at adopting a healthy lifestyle;

PC-3 - capable and ready to carry out preventive measures to prevent the most common infectious, parasitic and non-infectious diseases among the attached population, standard vaccination procedures for the population;

PC-4 - capable and ready to carry out anti-epidemic measures, protect the population in the foci of especially dangerous infections, in case of deterioration of the radiation situation and natural disasters.

PC-5 - able and ready to provide a safe environment for patients and staff;

Providing nursing care to people of all ages:

PC-6 - is able and ready to carry out and apply nursing examination, analysis of information about the patient and the victim, his needs for nursing care;

PC-7 - is able and ready to determine and then implement the plan and scope of nursing interventions for patients in accordance with the nursing diagnosis, to carry out actions aimed at achieving the goals of care, in accordance with the algorithms (standards and protocols for nursing manipulations);

PC-8 - capable and ready to take samples for laboratory research and interpret the results of laboratory and instrumental studies;

PC-9 - is able and ready to perform a dependent type of nursing interventions (actions performed on the prescription of a doctor and under his supervision) and inform the doctor about changes in the patient's condition;

PC-10 - able and ready to consult women, adolescents on family planning, contraception and sexual and reproductive health, sexually transmitted infections (STIs), to prevent unwanted pregnancies;

PC-11 - capable and ready to monitor women with physiological pregnancy, monitor women in the postpartum period and during artificial termination of pregnancy.

PC-12 - capable and ready to carry out screening measures to detect oncopathology - cervical cancer, breast cancer;

PC-13 - able and willing to monitor and evaluate the development of the child; organize preventive and medical examinations of children

PC-14 - able and ready to identify risk factors (social, medical), to assess the somatic health of children of all ages and nursing interventions in the detection of pathology;

PC-15 - capable and ready to carry out nursing interventions for elderly and senile people, considering their age characteristics;

PC-16 - capable and ready to carry out patronage of individuals, families, groups of the population;

Providing specialized nursing care:

PC-17 - able and ready to provide emergency nursing care to patients and victims;

PC-18 - is able and ready to organize adequate transportation of patients and victims to the appropriate level of healthcare organization (if necessary);

PC-19 - able and ready to carry out activities to maintain the mental health of the population, identify changes in human behavior and personality, provide nursing care and psychosocial integration;

PC-20 - able and willing to provide palliative care for terminally ill and terminally ill patients, effectively manage pain and other symptoms of severe illness;

PC-21 - capable and ready to carry out various rehabilitation and habilitation measures for patients and people with disabilities in the most common pathological conditions and injuries of the body, contributing to the restoration of physiological, psychological and social health;

PK-22 - capable and ready to carry out medical evacuation measures in an emergency, to provide medical care to the population in extreme conditions of epidemics, in centers of mass destruction;

Nursing Management and Professional Development:

PC-23 - able and willing to apply effective communication methods to manage conflicts, stress and innovation in the organization of nursing services, conduct self-assessment to identify strengths and weaknesses, plan their own time and build a strategy for personal and professional development and learning;

PC-24 - is able and ready to use and work with regulatory and administrative documentation adopted in healthcare (laws of the Kyrgyz Republic, technical regulations, international and national standards, orders, recommendations, current international classifications, etc.), maintain accounting and reporting medical documentation in medical and preventive institutions;

PC-25 - able and ready to manage the material resources of health facilities for the purpose of their rational use; conduct a commodity analysis of medicines, dressings, medical instruments

and other medical products using marketing research methods;

PC-26 - is able and ready to plan nursing staff in healthcare facilities based on modern human resources technologies (HR -technologies);

PC-27 - able and ready to carry out quality control of nursing activities (determination of control participants, means of control; control mechanisms).

When developing an educational program for the preparation of a bachelor in the direction **560200 - Nursing** , all universal, as well as professional competencies related to those types of professional activities that the program is focused on, are included in the set of required learning outcomes of the program. In the process of preparation, the student can acquire other (special professional) competencies related to a specific profile of his training.

The profile is determined by additional professional competencies in the amount of no more than 5 items and is determined by the university independently. The list of profiles is approved by the EMA.

Lists of additional competencies are determined based on the national qualifications framework, industry / sectoral qualifications frameworks and occupational standards (if any).

5.2. Requirements for the structure of the MAP training for a bachelor

The structure of the BEP for the preparation of bachelors in the direction **560200 - Nursing** includes the following blocks:

Block 1 "Disciplines (modules)";

Block 2 "Practice";

Block 3 "State final certification".

The structure of the MAP training for a bachelor		The volume of the MAP in the specialty and its blocks in credits
Block 1	I. Humanitarian, social and economic cycle	28-34
	II. Mathematical and natural science cycle	7-13
	III. Professional cycle	158-165
	Total:	200-205
Block 2	Practice	25-30
Block 3	State final certification	10
Scope of PEP bachelor's training		240

Note: A higher educational institution has the right to change the amount of hours allocated for the development of educational material for blocks of disciplines within 10%.

The university develops the MAP for the preparation of a bachelor in accordance with the requirements of the state educational standard and is responsible for achieving learning outcomes in accordance with the national qualification's framework.

The set of disciplines (modules) and their labor intensity, which relate to each block of the BEP of bachelor's training, are determined by the university independently in the volume established for the block, taking into account the requirements for the results of its development in the form of a set of learning outcomes provided for by the national qualifications framework.

5.2.1. The MAP of bachelor's training should ensure the implementation of:

- compulsory disciplines of the humanitarian, natural science and professional cycles, the list and labor intensity of which is determined by the authorized state body in the field of education and science of the Kyrgyz Republic . The content and procedure for the implementation of these disciplines are established by the state educational standard of higher education in the relevant direction of bachelor's training;
- disciplines in physical culture and sports, in the amount of at least 360 hours and military medical training, in the amount of at least 610 hours (if there is an appropriate department, according to the Instruction of the Ministry of Defense of the Kyrgyz Republic), which are mandatory for development, but are not converted into loans and are not included in the scope of the BEP of bachelor's training.

5.2.2. Block 2 "Practice" includes educational and industrial practices.

The university has the right to choose one or more types of practice, and may also establish an additional type of practice within the established credits.

The practice is organized and conducted with the aim of acquiring and improving practical skills in the performance of duties for a professional purpose, deepening and consolidating the acquired knowledge, skills and abilities.

5.2.3. Block 3 "State Final Attestation" includes preparation for passing and passing state exams, the completion and defense of the final qualifying work (if the university has included the final qualifying work in the state final attestation).

5.2.4. Within the framework of the MAP for the preparation of bachelors, obligatory and elective parts are distinguished.

The obligatory part of the MAP of bachelor's training includes disciplines and practices that ensure the formation of general scientific, universal, social and personal, general cultural and professional competencies, considering the levels of the national qualification's framework.

The volume of the mandatory part, excluding the volume of state certification, should be at least 50% of the total volume of MAP training for a bachelor.

In the elective part of the MAP of bachelor's training, students can choose disciplines in the relevant specialty, and the choice of disciplines from the MAP of other specialties is also allowed.

5.2.5. The university should provide persons with disabilities (at their request) with the opportunity to study under the MAP for the preparation of bachelors in the direction that considers the peculiarities of their psychophysical development, individual capabilities and, if necessary, provides correction of developmental disorders and social adaptation of these persons, except for the BEP, which provides for contraindications to health education.

5.3. Requirements for the conditions for the implementation of the MAP for the preparation of bachelors

5.3.1. Staffing of the educational process

The implementation of the main educational program for the preparation of bachelors should be provided by teaching staff with a basic education corresponding to the profile of the discipline being taught and systematically engaged in scientific and (or) scientific and methodological activities, and the proportion of disciplines lectured on by teachers who have

academic degrees of candidate or doctor of science , must be at least 40% of the total number of disciplines (according to licensing requirements).

Teachers must have a higher professional education (specialist, master) corresponding to the profile of the taught discipline.

Up to 10 % of the total number of teachers with an academic degree and / or academic title can be replaced by teachers who have practical experience in this field in positions of leaders or leading specialists for more than 10 years.

5.3.2. Educational, methodological and information support of the educational process

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

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

The implementation of the main educational programs should be provided with access for each student to databases and library funds, formed according to the full list of disciplines (modules) of the main educational program. The availability of mandatory educational and educational-methodical printed and / or electronic publications for each discipline of the professional cycle included in the educational program should be at least 0.5 for each student; the provision with methodological aids for the performance of laboratory work should be 1:1.

The library fund should be completed with printed and / or electronic editions of the main educational literature in the disciplines of general scientific and professional cycles.

The fund of additional literature in addition to educational should include official, reference and bibliographic and periodicals.

Each student must have access to:

- to organizational and methodological materials that allow students to better understand the goals, objectives of learning and the educational trajectory;
- to an electronic library system containing educational publications and electronic educational resources in the main studied disciplines.

Also, students should be provided with access to sets of the library fund, consisting of domestic and foreign journals in the field of study (indicate the list of journals in the BEP).

5.3.3. Logistics of the educational process

The university implementing the basic educational programs for the preparation of bachelors must have, on the right of ownership or other legal basis, the material and technical base that ensures the conduct of all types of laboratory, disciplinary and interdisciplinary training, practical and research work of students, provided for by the curriculum of the university and corresponding to the current sanitary and fire safety rules and regulations.

The list of necessary material and technical support, allowing the implementation of the MAP for the preparation of bachelors:

- laboratories in physics, chemistry, biological chemistry, physiology, microbiology and virology; pharmacology; pathological anatomy, pathophysiology, hygiene;
- anatomical museum;
- specially equipped classrooms and auditoriums for the study of the humanities, natural sciences and professional disciplines;

- a simulation center to develop skills in working with patients;
When using electronic publications, the university must have at least 7 computers with Internet access per 100 students.

Useful area per 1 student should be at least 3m² .

The university must have, on the right of ownership or other legal basis, clinical facilities for the implementation of the program.

5.3.4 . Assessment of the quality of graduate training

A higher education institution is obliged to provide a guarantee of the quality of training, including by:

- developing a strategy to ensure the quality of graduate training with the involvement of representatives of employers;
- monitoring, periodic review of educational programs;
- development of objective procedures for assessing the level of knowledge and skills of students, the competencies of graduates;
- ensuring the competence of the teaching staff;
- regular self-assessment according to agreed criteria to evaluate their activities (strategy) and compare with other educational institutions with the involvement of representatives of employers;
- informing the public about the results of its activities, plans, innovations.

The assessment of the quality of mastering the BEP of bachelor's training should include ongoing monitoring of progress, intermediate certification of students and the state final certification of graduates.

Specific forms and procedures for current and intermediate control of knowledge in each discipline are developed by the university independently and brought to the attention of students within the first month from the start of training.

To certify students for the compliance of their personal achievements with the step-by-step requirements of the relevant BEP (current and intermediate certification), bases of assessment tools are created, including standard tasks, tests, tests and control methods that allow assessing knowledge, skills and the level of competence formation . Bases of assessment tools are developed and approved by the university.

The bases of assessment tools should be complete and adequate reflections of the requirements of the State Educational Standards of Higher Professional Education in this area of training, correspond to the goals and objectives of a specific bachelor's program and curriculum. They are designed to provide an assessment of the quality of universal and professional competencies acquired by a graduate in accordance with these requirements.

When designing assessment tools, it is necessary to provide for an assessment of the ability of students to engage in creative activity, their readiness to search for solutions to new problems associated with the lack of specific specialized knowledge and the absence of generally accepted algorithms for professional behavior.

In addition to individual assessments, mutual assessments should be used : peer review of each other's work by students; student opposition to essays, projects, research papers, etc.

The university should create conditions for the maximum approximation of the system of assessment and control of bachelors' competencies to the conditions of their future professional

activity. To this end, in addition to teachers of a particular discipline, employers (representatives of interested medical institutions, research institutes, firms), teachers who teach related disciplines, etc., should be actively involved as external experts.

Students should be given the opportunity to evaluate the content, organization and quality of the educational process as a whole, as well as the work of individual teachers.

The state final certification is aimed at establishing the compliance of the level of professional training of graduates with the requirements of the educational standard.

The state final attestation includes the preparation and conduct of the Final State Examination in the direction of bachelor's training, the purpose of which is to assess the theoretical and practical preparedness provided for by the educational standard of higher professional education in this area, as well as the performance and defense of the final qualifying work (if the university has included the qualifying work in the state final certification).

Requirements for the content, volume and structure of the final qualifying work (bachelor's work), as well as the requirements for the state exam are determined by the university.

The bachelor's final qualifying work should have a practical orientation in accordance with the chosen profile of the bachelor's training.

The student must show his ability and readiness, relying on the acquired in-depth knowledge, skills and formed universal 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.

The program of the state final certification is developed in accordance with the educational standard in the direction of bachelor's training. It includes a list of medical and social problems, pathological conditions and nursing interventions, on the basis of which attestation questions, test tasks, a list of practical skills and situational clinical tasks are formed.

The program of the State and final exam in the direction of bachelor's training is developed on the basis of the Requirements for the content, volume and structure of the final exam of the State final attestation in the university, the current Regulations on the final state attestation of graduates of higher educational institutions, approved by the Decree of the Government of the Kyrgyz Republic No. 346 29 мая 2012 года.

For an objective assessment of a graduate's competencies, examination questions and assignments must be comprehensive and correspond to selected sections from various educational cycles that form specific competencies.

State final certification includes:

1. Interdisciplinary comprehensive exam in the History of Kyrgyzstan, the Kyrgyz language and literature and the Geography of Kyrgyzstan;
2. The final exam in specialized disciplines, the procedure for which is approved by the university independently;
3. Performance and defense of the final qualifying work (if the university has included the qualifying work in the state final attestation).