

AGREED

Educational and methodological
association of Osh State University,
chairman of the coordination council,
Associate professor R.N. Arapbaev

“ ” 2025

APPROVED

Rector of Osh State University, professor

K.G. Kozhimbayev
“ ” 2025



OSH STATE UNIVERSITY

**EDUCATIONAL STANDART OF SECONDARY VOCATIONAL
EDUCATION**

SPECIALITY: – 060107«Preventive dentistry. »

Qualification: Dental Hygienist

Osh-2025

At the meeting of the branch Committee on medical education of the Educational and Methodological Association of Osh State University, 2025 " 14 " 05, № 2. The protocol considers the educational standard of secondary vocational education in the specialty **060107 "Preventive dentistry"**. Approved by the Coordinating Council of the Educational and Methodological Association of Osh State University. Proposed for approval by the Academic Council of Osh State University in 2025 " 30 " 06, " 2 the protocol. Rector of Osh State University № 3426 approved by the order of the Government of the Kyrgyz Republic.

The educational standard has received recommendations from the following foreign experts.

1. Ergasheva Gulbahor Dzhunashevna – Director of the Medical College Fbu Fli ibn Sina, Republic of Uzbekistan
2. Saimov Makhmud Tolipovich – Republic of Uzbekistan, Almalyk Medical College. Director
3. Makhmudova Gulzhamal Imomkulovna – Head of the Department of International Relations and Academic Mobility of RUDN University named after Academician A. Kubatbekov, Doctor of Philosophy, Professor.

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CHAPTER I. GENERAL PROVISIONS

Educational standard for training the specialists in 060107 Preventive dentistry.

(code and direction - major)

direction/speciality is approved by the order of the Rector of OshSU. Educational standard of the educational programme 060107 Preventive dentistry direction/speciality is developed

(code and direction)

and approved at OshSU taking into account the requirements of the secondary vocational education framework.

Educational standard solely developed at OshSU (hereinafter - educational standard) They are equivalent to state educational standards, have a unified structure of requirements for secondary vocational education and allow them to perform their functions in terms of ensuring the unity and quality of education, the objectivity of control, and also establish specific requirements for the development of the educational program being implemented

- This educational standard establishes that the requirements for the conditions and results of mastering the basic professional educational programs are not lower than the corresponding requirements of the state standards of secondary vocational education.

- Specialty 060107 preventive dentistry was developed with the participation of the following parties:

- Chairman of the working group:

- Bakirov Nurlan Tazhibaeovich is the head of the specializing in preventive dentistry.

- Members:

- I. From the Medical College:

- 2. Mamayeva Tamara Abdykadyrovna -Chairman of the subject cycle commission on dental and surgical disciplines;

- 3 Saypidinova Busanam Abdykayimovna -teacher of the subject cycle commission on natural sciences and exact sciences;

- 4 Murzabekova Saadat Abdimamatovna -teacher of the subject cyclic commission of dental and surgical disciplines;

- 5. Uulkyz Abdysatarovna Choturova – teacher of the subject cyclic commission on the basics of nursing

- II. From homeland medical colleges,

- 6. Karataev Turatbek Burkanovich -Deputy Director for educational work of the Kyzylkiy;

- 7 Mamytova Atyrau Shiloobaevna – Deputy Director for Academic Affairs of Osh.

- 8 Kurstanbayeva Aktileka -Deputy Director for Academic Affairs of the Jalal-Abad;

- 9. Asanalieva Elmira Choibekovna -Director of Tokmok Medical College;

- 10. Abdymalikova Minura Mannapovna -Chairman of the dental and surgical disciplinary

Control Center of Osh.

- III. Employers:

- 11. Seidaliev Akylbek Abylkasymovich, Deputy Chief Physician of the Osh Interregional Dental Center;

- 12. Rakhmanov Taalaibek Tashbaltaevich, Head of the k-Dent dental clinic ;

- 13 Sabat Abdrashevich Alymkanov - Director of Dental clinic Dental-S ,
- 14 Alimzhan uulu Altynbek -Chief physician of the dental clinic in Kara-Suu,
- 15 Louise Dautovna Kultayeva -Deputy Director for Medical Work at Osh City Dental Polyclinic No 1.

- IV. From employees of foreign universities (colleges) :

- 16. Rayymbai kyzy Gulnara -Head of the Health Department of the Jeti-Suu district of the Jeti-Suu region of the Republic of Kazakhstan,
- 17 Togibayeva Bahrinisa Khairullayevna- Republic of Uzbekistan, Jizzakh region, Gallaral medical college. Head of the Department
- 18. R. Mammadova R. - Kursk, ОБУЗ "КГКБСМП" medical Center, doctor;
- 19. Zafarbekova Mukhammadshukur Dilmurajan oglu, Deputy Director for Scientific Work at the Aylin Medical College in Andijan, Republic of Uzbekistan;
- 20. Makashova Meiz Burganbaevna – Head of the Department, Master of Medical Sciences, lecturer at Taldykorgan Higher Medical College of the Republic of Kazakhstan.

- This educational standard is established in accordance with the Decree of the President of the Kyrgyz Republic "On measures to increase the potential and competitiveness of educational organizations of secondary vocational education of the Kyrgyz Republic" dated July 18, 2022 No. 243, Resolution of the Cabinet of Ministers of the Kyrgyz Republic dated November 21, 2022 No. 654 "On Amendments to certain decisions of the Government of the Kyrgyz Republic on granting a special status state secondary educational institutions", Resolution of the Government of the Kyrgyz Republic dated February 5, 2024 No. 45 "On in accordance with the Resolution of the Government of the Kyrgyz Republic" On amendments to certain resolutions of the Cabinet of Ministers of the Kyrgyz Republic on granting the status of a state educational institution of primary, secondary and higher professional education of the Kyrgyz Republic", the Law of the Kyrgyz Republic "On Education "dated August 11, 2023, by the Law of the Kyrgyz Republic" On approval of the layout of the state educational standard of primary, secondary and higher professional education of the Kyrgyz Republic " dated July 8, 2024 No. 371, in the Kyrgyz Republic and professional standards, corresponds to the charter of OSH State University and regulatory legal documents in force at the time of approval of the educational standard.

- The procedure for the development, approval and amendment of this educational standard is regulated by the Regulations on the Development, Approval and Amendment of Educational Standards of OSH State University.

CHAPTER 2. ABBREVIATIONS

- EP** - educational programme
- HPE** - higher professional education;
- SVE** - secondary vocational education;
- IDES** - independently developed educational standard;
- BPEP** – basic professional educational programme;
- EMA** - educational and methodological association;
- GPC** - general professional competences;
- PC** - professional competences;
- TS** - teaching staff;
- SISP** - student's individual study plan;

ECTS - European Credit Transfer and Accumulation System.
SES- State educational standard,
ES-educational standard,
SCC-subject cyclical commission;
PwD-persons with disabilities;
MaPI-medical and preventive institution;
PLO-higher professional education,
PBPE-the program of basic professional education,
GPC-general professional competence
PC-professional competencies,
GC-general competencies,
LO-learning outcomes,
SVE-secondary vocational education, **EMA**-educational and methodological association;
TS-teaching staff,
OSCE is an objectively structured clinical examination
SPGCC-social, personal and general cultural competencies;
SC - selective course,
SMTEAFofMath skills-science, modern technology, engineering, art, formation of mathematical skills.

CHAPTER 3. TERMS

The following terms and definitions are used in the self-developed educational standard of secondary vocational education

Academic integrity is a set of values and principles that establish standards of behavior in the development of educational programs and educational activities, including when performing written work (tests, term papers, essays, dissertations), expressing one's position and relationships between participants in the educational process.

Academic freedom is a set of powers granted to them to organize the content of education, additional types of training and educational activities in elective disciplines in order to create conditions for the creative development of students, teachers and the use of innovative technologies and teaching methods.

The basic curriculum is a catalog of disciplines for the full period of study that prepare students for a profession in a field or specialty (hereinafter referred to as the curriculum). The curriculum includes a mandatory component (basic and university (specialized)), regulates the number of credits allocated for teaching compulsory subjects and subjects of students' choice, sets deadlines and types of practice .

Distance learning is a form of self-education (distance learning) using information technology;

The online form of education is distance learning using real-time information technology;

Competence-predefined social requirements (norms) in the preparation of a student(s) for training, necessary for effective productive activity in a particular field;

Credit is a conditional amount of labor intensity measurement in the main professional educational program .;

The main professional educational program is a set of programs that define the goals, expected results, content and organization of the educational process for the preparation of the relevant field.

The result of training is the competence obtained as a result of training in the main educational program / module ;

Credit technology of learning is learning based on the student's choice through the accumulation of credits and independent planning of the sequence of teaching disciplines.;

Independently developed competencies – competencies introduced by the developers of the standard.

Semester curriculum is a curriculum that serves to organize the educational process during a certain academic period (including calculating the labor intensity of teachers' teaching activities per semester).

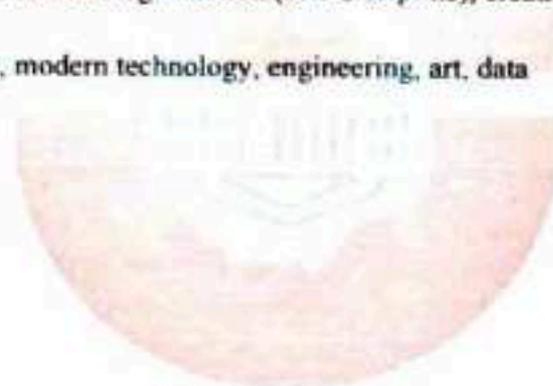
The Student's Individual Curriculum (SJOP) defines the student's academic program for the semester, which is formed on the basis of the academic disciplines offered for the semester.; qualifying disciplines are academic disciplines reflecting the individual readiness of a student, included in the qualifying component within the framework of credits established by educational organizations, taking into account the specifics of socio-economic development and the needs of a particular region.;

An industry-specific form of education is the implementation of an educational program by several educational organizations.

current regulatory internal regulations -the regulatory internal regulations in force during the development of this Regulation;

business communication and self-organization (self-discipline), creative and critical approach in non-standard situations.

STEAM skills – science, modern technology, engineering, art, data usage and management.



CHAPTER 4. SCOPE OF APPLICATION

4.1. The educational standard (hereinafter referred to as the ES) specifies a set of requirements for the development and implementation of basic professional educational programs of secondary vocational education in the specialty 060107 preventive dentistry.

4.2. ES 060107 establishes the requirements for the training of a specialist in educational programs of the specialty preventive dentistry and, based on its results, the qualification of a dental hygienist in this specialty is awarded.

4.3. The independently developed standard of secondary vocational education for the implementation of educational technologies in preparation for the educational program in the specialty 060107 preventive dentistry is the basis for the development of basic curricula, work programs of academic disciplines, practices and programs of state final certification as part of the ES.

4.4. The main users of the ES are:

060107 is the basis of organizational and methodological documents for the development, implementation and training of basic educational programs in preparation for an educational program in the specialty preventive dentistry. As well as the teaching and professorial staff of the educational organization in order to assess the quality of mastering secondary vocational education programs, supplement, update, taking into account the achievements of science, technology and the socio-economic sphere, and systematically monitor the achieved learning outcomes.

060107 students of an educational organization for the effective implementation of educational activities while mastering an educational program in the specialty preventive dentistry; the rector and vice-rectors of the educational organization, responsible within their competence for the quality of graduate training, the organization of the educational process, the educational and methodological association of the educational organization and its relevant branch committees, deans of faculties, heads of institutes and colleges.

CHAPTER 5. NORMATIVE PERIOD OF STUDY AND LABOUR INTENSITY OF THE EDUCATIONAL PROGRAMME

Requirements for the level of education of applicants. When applying, the applicant must have one of the following documents:

- certificate of basic general education,
- certificate of secondary general education,
- for a diploma of secondary vocational education,

diploma of primary vocational education (if you have a document of basic or secondary general education)

When implementing an educational program in accordance with the SES, full-time education in secondary vocational education is implemented within this field of study.

When preparing for the specialty 060107 preventive dentistry, the total labor intensity of the educational program is 180 credit units, regardless of the form of study, the educational technologies used, and the student's individual curriculum.

The normal period of study for full-time education, including vacations provided after passing the state final certification of the SVE, on the basis of secondary general education:

on the basis of secondary general education - 2 years 10 months;

The established standard period for mastering an educational program based on basic general education is extended by 1 (one) year.

5.5. The standards of duration of study according to the individual curriculum of the student are determined on the basis of the academic policy of the educational organization and regulatory documents on the organization of the educational process.

5.6. When organizing the educational process using credit education technology, the volume of each academic discipline is a whole number of academic credits. 1 academic credit is equal to 30 academic hours. The duration of an academic hour is set at 45 minutes.

5.7. The capacity of all types of academic work in the curriculum is determined by ECTS academic credits. The annual labor intensity is 60 credits and the semester labor intensity is 30 credits for full-time education of NPOs of secondary vocational education.

5.8. An educational organization grants the right to persons with secondary professional or higher professional education of the appropriate profile to master an educational program in accelerated programs, taking into account existing knowledge and recognition of learning outcomes. Determines the results of training in certain disciplines and/or certain types of on-the-job training that were previously mastered, based on the results of full or partial recertification (offsetting).

5.10. Conducting (organizing) the final state certification in online form is not allowed, regardless of the types of practices and when using the educational program in online form. It is allowed only in case of emergency.

5.11. When implementing a secondary general education program integrated into the secondary vocational education program (11th grade program), a document on secondary general education (certificate) is not issued, grades on secondary general education taught at the college are recorded in the document on secondary vocational education (diploma).

CHAPTER 6. REQUIREMENTS FOR THE DEVELOPMENT AND IMPLEMENTATION OF THE BASIC EDUCATIONAL PROGRAMME

6.1. An educational organization independently develops educational programs for secondary vocational education, taking into account the needs of the labor market. The basic vocational education program is developed on the basis of the professional Education standard, the National Qualifications System, the industry/industry qualifications framework and professional standards.

6.2. Objectives of secondary vocational education in the field of BPEP training in the specialty 060107 preventive dentistry:

specialty training is training based on humanitarian, social, economic, mathematical and natural science knowledge, allowing graduates to successfully work in their chosen field, providing them with the acquisition of general and professional competencies that contribute to their social mobility and stability in the market labor.

The goal in the field of personality education

is to educate students with politeness, determination, tolerance, responsibility, communication skills, dedication in doing their job, humanity, and accuracy.

professional goals:

- healthcare and provision, provision of qualified dental care, improvement of the quality of life of patients, carrying out preventive work with the population, organization of dental staff,

- social services, rehabilitation, care for those in need

6.3. The relevant structures of the educational organization, taking into account the development of science, culture, economics, technology, technology and the social sphere, update the PLO at least once every 3 (three) years in accordance with the recommendations of interested parties.

Educational program updates include

developing a strategy to ensure the quality of graduate training,
implementation of periodic monitoring of educational programs,
in agreement with the employer.

6.4. An educational organization implementing an educational program is obliged to create a socio-cultural environment,

creating the conditions necessary for the comprehensive development and socialization of the individual, preserving the health of students.;

to promote the development of educational/extracurricular components of the educational process, including the development of self-government, the participation of students in the activities of public organizations, sports and creative clubs, scientific student societies

6.5. A set of disciplines (modules) and their labor intensity are determined by the relevant structures of the educational organization (institutes, colleges) in the amount established for each cycle of disciplines. The set of disciplines (modules) and their complexity are determined in accordance with the appendices to this standard, depending on the specifics of each field/specialty

6.6. Each cycle of disciplines must contain the mandatory (basic) and qualifying parts. Optional courses are offered only for the professional cycle, and the catalog of subjects for optional courses is compiled by the educational organization.

6.7. The degree of compulsory disciplines, the sequence of their development and the distribution of labor intensity into groups "A", "B" and "c" are organized in accordance with the provisions of the educational organization on the organization of the educational process and the annexes to this layout

6.8. The educational organization is obliged to ensure the accessibility of training courses (disciplines, modules) to students. Protected areas, conduct introductory courses, determine through a survey the selected courses and the wishes of the student to form an individual learning trajectory. The student forms his/her individual curriculum with the participation of an Academic Consultant provided by the educational organization

6.9. When creating a protected area, an educational organization is obliged to familiarize students with their rights and obligations, to clarify that the subjects chosen by students are mandatory for them, and their total labor intensity should not be less than stipulated in the curriculum

6.10. general requirements for the rights and obligations of students in the implementation of the educational program

students have the right to choose specific disciplines within the amount of study time allocated for the development of academic disciplines of students' choice within the framework of the educational program of secondary vocational education,

When building their individual educational trajectory, students have the right to consult with an educational organization on the choice of disciplines and their impact on their future specialty.;

In order to achieve results in mastering educational programs in terms of developing competencies, students have the right to participate in the development of student self-

government, the activities of public organizations, sports and creative clubs, and scientific student societies.;

Students are required to complete all tasks provided for in the educational program of the educational organization within the prescribed time.;

The student's workload is set at least 44-54 hours per week, including all types of classroom and extracurricular (independent) learning activities.;

the maximum amount of study load per week is set by the educational organization,

When training a full-time specialist, the volume of classroom classes is at least 35% of the total volume per week.;

The total vacation period in the academic year should be 7-10 weeks, including at least two weeks in winter, depending on the length of study.

- When implementing an educational program, there should be at least 1-8 students in practical, laboratory, and seminar classes.

CHAPTER 7. PROFESSIONAL ACTIVITIES CHARACTERISTICS OF THE GRADUATES EDUCATIONAL PROGRAM

060107 7.1. The areas of professional activity of graduates of the educational program in the direction 060107 preventive dentistry include:

- maintenance of the oral cavity and prevention of dental diseases.
- improving the quality of life of patients by maintaining public health and providing qualified dental care
- prevention of dental diseases, diagnosis and treatment of diseases.
- carrying out dental sanitary and hygienic educational work, organizing hygiene rooms, advising the population in order to prevent caries.

7.2. The objects of professional activity of graduates of the educational program in the specialty 060107 preventive dentistry are:

- State dental clinics,
- private dental centers;
- dental offices in the hospital;
- dental drill,
- dry fire cabinet (sterilizer);
- dental instruments, forceps, equipment.

7.3. The postal code is 060107. types of professional activities for which graduates of educational programs in the specialty preventive dentistry can be prepared in the field of training with the qualification of a dental hygienist.

- activities for the prevention of dental diseases;
- diagnosis and treatment of dental diseases;
- activities related to sanitary and educational work;
- activities aimed at restoring the health of dental patients;
- organizational activities.

7.4. A specialist who has been qualified as a dental hygienist in the specialty 060107 preventive dentistry, in accordance with the type of professional activity, is ready to solve the following professional tasks

professional competencies in the diagnosis and treatment of diseases;

professional competencies in preventive activities;

professional competencies in sanitary and educational activities;

professional competencies in rehabilitation activities;

professional competencies in organizational activities. on the diagnosis and treatment of dental diseases:

- diagnosis and treatment of dental diseases.

- treatment of all types of dental diseases (caries, pulpitis, periodontitis) ;

- treatment of diseases of the soft tissues of the oral cavity (stomatitis, gingivitis) ;

- activities related to the preparation of regulatory medical documents.

Disease prevention

carrying out preventive and anti-epidemic measures aimed at preventing the occurrence of diseases,

advising patients on disease prevention.

Sanitary and educational activities:

- activities aimed at conducting sanitary and hygienic education among people, patients, and medical personnel in order to form a healthy lifestyle;

-activities aimed at teaching young children the rules of using toothpaste and toothbrushes in kindergartens and schools.

Restorative activities

oral sanitation in adults, adolescents, and children,

advising on the goals of restoring public health.

Organizational activity

organization of dental care in medical institutions and their structural divisions;

organizes training for young children on the rules of using toothpaste and brushes in kindergartens and schools.

CHAPTER 8. REQUIREMENTS FOR THE RESULTS OF THE EDUCATIONAL PROGRAMME (060107 DENTAL HYGIENIST)

8.1.As a result of mastering the educational program, the graduate should develop the following general competencies

Directions	Competences	Learning Outcomes (LOs)
Language and communication skills	GC -1: Public speaking chooses the style and type of speech and presents it; correctly and clearly expresses and proves his/her opinion in writing and orally, presents the results of research	LO-1: Communicates in three languages: performs speech activity in the professional sphere in Kyrgyz and Russian at the B2 level, in one of the

	in the professional environment in Kyrgyz, Russian and foreign languages.	foreign languages at the B1 level.
National and universal human values	GC -2: In their professional activity critically analyses and evaluates personal-civil relations, is able to initiate and ensure the implementation of ideas aimed at improving the philosophy of statehood, civic identity, patriotism, universal and national values on the basis of legal culture.	LO -2: Respects universal and national values, with preservation of personal, national identity, observes the rule of law and can care about the development, dissemination of it, guided by, shows personal, civic, legal responsibility in relation to the interests of the state and social sphere
Soft skills	GC -3: Generates new ideas and can adapt to external innovations and unexpected situations with creative thinking, thinks analytically and can act critically while creating projects and running a business.	LO -3: Able to generate ideas and think critically, integrate and analyse other points of view, think reasonably and constructively in a professional environment, express self-control, provide psychological resilience and research skills in non-standard situations when conducting business.
STEM skills	GC -4: Can use digital media texts, infographics, basic mathematical, engineering, scientific principles, adapt to new trends in various business areas of digital and creative economy	LO-4: Uses modern information and telecommunication technologies and mathematical methods, is flexible to the trends of technical, digital and creative economy.

8.2.A graduate of the educational program in the specialty 060107 preventive dentistry must have the following general professional competencies (GPC)

Number of competences	Self-developed general professional competences
GPC -1	Can search, interpret and use information necessary for professional and personal development, effectively fulfilling professional duties.

GPC -2	Knows how to apply regulatory legal acts in his professional activities, knows how to work with psychological and ethical responsibility
GPC -3	In normal and pathological conditions, a person of any age is able to know anatomical, physiological features and vital signs, improve the basics of microbiology, the prevention of genetic and infectious diseases, lead a psychological and healthy lifestyle, take responsibility for their profession, constantly improve their knowledge
GPC-4	Uses medicines in accordance with the rules using medical Latin terms.
GPC-5	In the event of a disaster involving life safety and medicine, military preparedness in an emergency situation can work responsibly, being able to solve professional problems, make decisions, and take initiative.
GPC-6	Can use business administration in healthcare and dentistry
GPC-7	Applies rules for prescribing, receiving, storing, using, and distributing medications to patients in dentistry

8.3 060107 The graduate shall possess the following **professional competences (PC)**:

Number of competences	Professional competencies in the diagnosis and treatment of diseases.
PC1	Determines the causes of dental diseases
PC2	Fills out medical documents
PC3	Knows how to follow the rules of hygiene and preventive measures, use dental equipment and tools.
PC 4	Evaluates the condition of periodontal tissues and oral hygiene.
PC 5	Selects oral hygiene products depending on the age and health status of the patient
Professional competencies in preventive activities	
PC 6	Prevents dental diseases
PC 7	Consultations in kindergartens, schools, schools and families for the prevention of

	dental diseases
Professional competencies in sanitary and educational activities	
PC 8	Trains patients to use hygiene products and keep the oral cavity clean
PC 9	Conducts dental sanitary and hygienic educational work in order to prevent dental diseases among the population.
PC 10	Evaluates the results of dental sanitary and hygienic education
Professional competencies in rehabilitation activities	
PC 11	Performs professional cleaning of the patient's oral cavity
PC 12	Identifies, clarifies, proves, treats dental diseases and restores the health of patients
Professional competencies in organizational activities	
PC 13	Registers the results of epidemiological and dental examinations of the population
PC 14	Conducts a professional examination of the oral cavity, collects information about the health status of the population, the patient
PC 15	Creates a healthy

CHAPTER 9. REQUIREMENTS TO THE CONDITIONS OF IMPLEMENTATION OF THE EDUCATIONAL PROGRAMME

060107

9.1. Personnel requirements for the implementation of the educational program

9.1.1. general requirements for the staffing of the educational process:

the implementation of the educational program preparation plan should be provided by teaching staff who have a basic education of at least bachelor's, master's, specialist, corresponding to the disciplinary field of teaching and systematically engaged in educational (scientific) methodological activities, .

The share of full-time teachers in the total number of teachers of educational programs should be at least 70%.

9.1.2. requirements for staffing the educational process in accordance with the specifics of the educational field

at least 25% of teachers implementing the educational program must be from manufacturing and/or related business sectors,

When implementing the educational program, involve leading domestic and/or foreign teachers (using online or offline forms of education) in invited lectures at least once during the academic year.;

when evaluating the quality of the teaching staff of the professional cycle, employees with more than 10 years of experience in production are hired.;

The teaching staff implementing the educational program must improve their professional qualifications in the relevant field once every three years, and pedagogical qualifications once every five years.

Professional disciplines should be taught by a specialist with a higher education who has at least 5 years of work experience in production.

9.2 Requirements for educational, methodological and informational support of the educational process.

9.2.1. requirements for the literature fund:

When implementing the educational program of specialty 060107 preventive dentistry, each student should have access to databases and library collections formed according to the full list of disciplines of the educational program.

Mandatory (basic) and additional textbooks and teaching aids should be provided for each discipline.

Mandatory textbooks and teaching aids must comply with the norm of 0.5 copies per student.

An educational organization is obliged to provide the educational process with regulatory legal acts, local acts, and materials from professional periodicals.

9.2.2. Requirements for e-learning:

The educational organization is obliged to provide a modern electronic library system and electronic library platforms, educational and methodological databases accessible to students.

Students should have access to modern professional databases, information queries, and search engines.

The electronic library system should create conditions for the use of e-learning via the Internet, even outside the educational organization.

Compulsory (basic) and additional textbooks for each discipline (module) in the curriculum should be provided in electronic form.

9.2.3. requirements for the placement of electronic forms of teaching materials (complexes) on the relevant digital platforms of the educational institution:

Educational and methodological materials (complexes) for each academic discipline in the educational program (theoretical materials, workshops, syllabary, assessment tools, etc.) should be posted on the digital (electronic) platform of the educational institution before the start of the educational process.

Educational and methodological materials (complexes) should be available to students at any time.

9.3. Requirements for the logistical support of the educational process

An educational organization implementing the basic professional educational program of secondary vocational education must have a material and technical base that complies with current sanitary and fire safety rules and regulations, ensuring all types of laboratory, disciplinary and practical training of students provided for in the curriculum. The usable area for one student should be at least 3m².

9.3.1. special rooms (laboratory, linguophone, computer, virtual, multimedia, etc.)

:

1. Kyrgyz (Russian) language (posters and stands)
2. Social disciplines (posters and stands)
3. Foreign language (posters and stands)

- 4 Latin (posters and stands)
- 5 Digital technologies in professional activity
- 6 Human anatomy and physiology with a course in topographic anatomy of the head and neck (posters and stands, the human skeleton and its structural units, mannequins, phantoms)
- 7 Legal registration in professional activity (posters and stands)
- 8 Life safety and medical disaster
- 9 Healthcare and public health (posters and stands)
- 10 Professional psychology (posters and stands)
- 11 First aid (posters and stands)
- 13 Fundamentals of microbiology, Virology and immunology (posters and stands, visual aids, microscope)
- 14 Medical genetics (posters and stands)
- 15 Pharmacology (posters and stands, sets of medicines)
- 16 Fundamentals of nursing with infection safety (posters and stands, nosological care items)
- 17 Infectious diseases (posters and stands, mannequins, objects for laboratory diagnostics)
- 18 Dermatovenerology (posters and stands, mannequins, phantoms)
19. Computer class.
- 20 Educational and training center:
For all clinical specialties.
21. Preventive dentistry unit (posters and stands, medical documents, mannequins, phantoms, a set of tools for pre-medical care, equipment for various manipulations, a set for simple physiotherapy procedures)
22. Dental physiotherapy (posters and stands, medical couches, devices: electrophoresis, amplipulse, kuf, inhalers)
23. Health education (posters and stands)
24. Oral hygiene (posters and stands, mannequins, phantoms)
25. Clinical materials science (posters and stands, mannequins, phantoms)
26. Fundamentals of orthodontic stamatology (posters and stands, mannequins, phantoms, orthodontic devices)
27. prevention of dental diseases (posters and stands, mannequins, phantoms)
28. Pediatric dentistry (posters and stands, mannequins, phantoms)
29. Fundamentals of surgical dentistry (posters and stands, mannequins, phantoms, visual aids, forceps)
30. Dental X-ray (posters and stands, patient care items)
31. therapeutic dentistry (mannequins, phantoms, dental equipment)
32. sports complex:
 - sports hall,
 - an outdoor stadium with a wide profile.
33. Halls:
 - library, electronic library;
 - reading room with internet access;
 - electronic library;
 - solemn assembly hall-1;
 - medical center-1;
 - kitchen-1.

9.3.2. Production-based training conditions (on-the-job training):

An educational organization must necessarily ensure the teaching of practical disciplines of certain professional disciplines, on-the-job training at an industrial base

In the relevant professional disciplines, NGOs should develop and approve programs that include on-the-job training conducted at the enterprise or in the organization

Elements of training at a manufacturing facility

The mentor teaches the young specialist all the necessary techniques and knowledge. They know how to use medical devices, equipment, observe safety and hygiene rules, work with regulatory legal acts, orders. Maintains direct contact with patients, performs vision and handshaking skills.

On-the-job training (dual) prepares future dental hygienists to work in production

9.4. Requirements for knowledge quality assessment

9.4.1. Types of inspections:

When assessing the quality of training for students and graduates, the following types of inspections should be carried out

ongoing inspection;

checking the average distance;

final certification,

practical assessment,

final state certification.

The current, intermediate examination of students is conducted during the academic semester based on the assessment system established by the educational organization implementing the educational program

9.4.2. Assessment fund and assessment criteria: Assessment bases and criteria should be developed, including standard tasks for current, intermediate and final attestation, test papers, unit tests and practical tasks, allowing to assess the level of acquired competencies for compliance of individual achievements of students with the phased or final requirements of the educational program

According to the types of examinations for each discipline, assessment tools and assessment criteria are developed prior to the start of the educational process and should be posted on the digital platforms of the educational institution in order to make them accessible to students

9.5. Requirements for the organization of practice:

9.5.1. General provisions on practice:

When studying under educational programs, internships conducted for students are considered as a form of educational process that forms professional competencies in the training of a specialist. Each student is required to complete the types of practice specified by the educational organization. An educational organization must ensure that production practices are conducted in production organizations, depending on the direction and specialty of professional education.

9.5.2. When preparing for the educational program of secondary vocational education, the following types of practice are carried out:

Educational and production practice

-Educational and industrial practice for obtaining initial professional skills;

-Educational and industrial practice in oral hygiene;

-Training of a specialist in the profession of educational and industrial practice;

-Educational and production experience in nursing in the dental department;

-Educational and production experience before qualification assignment.

9.5.3. Types of practice requirements for types of internships:

The areas of the main types of internships at the college are determined according to the curricula of the specialties. The main ones are educational, industrial and prequalification practice

Educational and production practices

In order to obtain initial professional skills in the educational and industrial practice of this type of practice, students are required to study compliance with sanitary and hygienic rules, preparation of disinfectant solutions, work with medical equipment, and the principles of operation of medical institutions

Educational and industrial practice in oral hygiene

In this type of practice in a dental clinic, hospital, students learn practical skills of cleaning, prevention and treatment of teeth and oral cavity.

Professional skills that you will acquire during the internship:

- hygiene procedures;
- Proper brushing, flossing, and general oral hygiene. preventive measures;
- informing and advising patients on the prevention of dental diseases;
- provision of dental care;
- acquisition of practical skills in the diagnosis and treatment of oral diseases;
- ensuring sterility and infection prevention in medical institutions.

Professional training training and production practice:

- professional skills development,
- acquires practical work experience in the specialty;
- training on occupational safety and production standards.

Educational and production experience in nursing in the dental department:

This provides students with the opportunity to gain hands-on experience in dental care, patient care, and performing medical procedures.

Prequalification practice:

Prequalification practice is the final stage of training, and it should be conducted in organizations of medical institutions after students have fully mastered the theoretical and practical training program in order to gain work experience in developing their first professional skills based on theoretical knowledge in organizations of medical institutions, depending on their specialty.

The pre-graduate practice of a dental hygienist is the final stage of training, which allows students to acquire the necessary practical skills and knowledge. This is usually done after mastering theoretical and practical disciplines.

The main goals and objectives of the prequalification practice of dental hygienist:

Mastering practical skills;

Have practical experience;

Preparation for future work;

Practice skills in a specific field;

Safety

The educational institution is obliged to provide the documents necessary for carrying out the above-mentioned types of practice.

9.6. Final certification.

requirements for the comprehensive final state exam and justification for the allocation of labor intensity (number of credits)

The final state certification of students should be conducted after completing the full course of study. The types of state certification examinations and the procedure for their organization should be determined by the educational organization in accordance with the regulatory legal acts of the Kyrgyz Republic and the educational organization governing the conduct of the final state certification of graduates.

Final state attestation is allowed to graduates who have no academic debt and have completed the full course of study provided for in the curriculum

9.6.1. Requirements for comprehensive final state attestation and justification for the distribution of academic workload (number of credits):

The final state certification of graduates should be conducted in the form of a comprehensive state interdisciplinary examination in the specialty, which provides for an assessment of theoretical and practical professional training based on state requirements for the minimum content and level of graduate training in this specialty.

The final state certification should consist of two stages:

- Stage I-testing.
- Stage II -objectively structured clinical examination

The comprehensive final State exam evaluates a student's knowledge, theoretical and practical skills, and clinical work experience, and must have at least 3 credits of study load to prepare for tests, practical skills, and situational tasks.

The final assessment should be based on the average result of the 2nd stage of the state final exams.



CHAPTER 10. SAMPLE OF THE BASIC CURRICULUM OF AN EDUCATIONAL PROGRAM

Block	Cycle	Directions	Disciplines	Credit allocation to groups			Distribution of hours			1 academic year		2 academic year		3 academic year		—	
				"A"	"B"	"C"	T u t o r i a l	A u d i t o r i u m	S e m e s t e r	1 s e m e s t e r	2 s e m e s t e r	3 s e m e s t e r	4 s e m e s t e r	5 s e m e s t e r	6 s e m e s t e r		
1block	Cycle 1. General Education (24 credits)	Language and communication skills															
		National and universal values															
		Soft skills															
		STEM skills															
		Physical education															
	Cycle 2. General vocational education	General professional disciplines															
		Professional disciplines															
Block 2	Practical training and research (30-40 credits)																
Block 3	Final State exam (5 - 10 credits)																
Total labour intensity																	

Note: The basic curriculum is developed according to this template using Annexes 1-5.

The first block of the curriculum consists of 3 cycles, general education, general professional and vocational. The general education cycle has such directions as: communication skills, national and universal values, Soft skills, and STEM skills. Each direction offers at least 3 disciplines, the catalog of disciplines, which is determined by the educational organization. Students can independently choose the disciplines offered in the directions.

All academic disciplines are divided into the following three groups of disciplines for all cycles according to the degree of compulsory and sequence of assimilation, taking into account their logical interrelation:

"A" - the sequence of disciplines studied compulsorily and strictly in the specified semesters of the curriculum is observed;

"B" - a group of disciplines studied necessarily, but not necessarily in the sequence of semesters, the study of disciplines of this group is independently planned by the student in the specified semesters of academic years,

"C" - a catalog of elective disciplines (elective courses) is offered by the educational organization for the professional cycle, students choose one discipline from each catalog. One catalog must contain at least three related (interrelated) disciplines.

"C" - disciplines of this group allow the student to deepen the disciplines of the group 'A', gives the opportunity to acquire additional competencies in order to ensure the competitiveness of the graduate and taking into account scientific and technical achievements and labor market requirements.

"C" - disciplines of this group can be updated in each academic year taking into account scientific and technical achievements and labor market requirements.



Distribution of total labor intensity of the basic curriculum of secondary vocational education

Structure of the educational program			Labor intensity (credits) of blocks of the educational program		
1 блок	Disciplines		«A»	«B»	«C»
Cycles	General education cycle			12 credits	
	Professional cycle		92-146credits		
	General professional cycle education			15%-25%	6%-10%
	Professional education cycle	60%-50%		20%-25%	20%-25%
Physical education			72-120 h.		
Block 2	Practical training and research		20-70 credits		
Block 3	Final State exam		2-4 credits		
Total labour intensity			Not more than 180 credits		

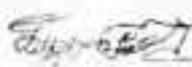
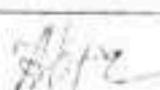
Distribution by cycles and labor intensity of compulsory disciplines in the basic curricula of secondary vocational education

Block	Cycle	Directions	Disciplines	Credit allocation to groups			Distribution of hours			1 academic year		2 academic year		3 academic year			
				-A-	-B-	-C-	T o t a l	A u d i t o r i u m	S e m e s t e r	1 s e m e s t e r	2 s e m e s t e r	3 s e m e s t e r	4 s e m e s t e r	5 s e m e s t e r	6 s e m e s t e r		
I block	Cycle 1. General Education (24 credits)	Language and communication skills	Kyrgyz language/Russian language														
		4 catalog of disciplines															
		Foreign languages															
		1-2-3 catalogs of disciplines															
	National and universal values																
	Soft skills																
	STEM skills																
Cycle 2. General vocational education	Physical education																
	General professional disciplines																

Catalogue of disciplines of the general educational cycle of the basic curriculum

Catalogue #	Catalogue direction	Title of catalogue disciplines	Amount of credit
1 discipline catalogue	National and universal values	History of the Fatherland, National Values and Culture	4
		Philosophy, Philosophy of National and Universal Values	
		Geography of Kyrgyzstan	
		Ecological Knowledge and Culture in Professional Activity	
		Manasology	
...			
2 discipline catalogue	Soft skills	Project practice	4
		Critical Thinking, Design Thinking	
		Self-discipline (self-knowledge) and Psychology	
...			
3 discipline catalogue	STEM skills	Industry Mathematics	4
		Digital Technologies in Professional Activity	
		Concept of Modern natural Science	
...			
4 discipline catalogue	Language and communication skills	English	4
		Chinese	
		Korean	
		German language	
...			

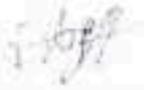
Медициналык колледждин курамынан:

№	Иштеген жери, кызматы	Колу	Аты-жөнү
1	Профилактикалык стоматология адвентигинин ИКББП жетекчиси		Бакиров Нурлан Тажибоевич
2	Стоматологиялык жана хирургиялык дисциплиналар предметтик циклдык комиссиясынын төрайымы		Мамалева Тамара Абдыкадырова
3	Табият таануу жана так илимдер предметтик циклдык комиссиянын окутуучусу		Сайпидинова Бүслям Абдыкайымовна
4	Стоматологиялык жана хирургиялык дисциплиналар предметтик циклдык комиссиясынын окутуучусу		Мурзабекова Саадат Абдымаматова
5	Медальон ишинин негиздери предметтик циклдык комиссиясынын окутуучусу		Чотурова Уулкыз Абдысатаровна

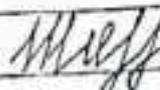
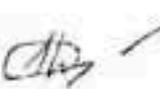
Ата мекендик колледждердин курамынан:

№	Иштелген жери, кызматы	Колу	Аты-жөнү
1	Каратаев Туратбек Бурканович-Кызыл Кыя медициналык колледжинин директордун окуу-тарбия иштери боюнча орун басары.		Каратаев Туратбек Бурканович
2	Мамытова Атыргүл Шайлообаевна- Ош медициналык колледжинин директорунун окуу иштери боюнча орун басары.		Мамытова Атыргүл Шайлообаевна
3	Курстанбаев Акталек -Жалал Абад медициналык колледжинин директордун окуу иштери боюнча орун басары.		Курстанбаев Акталек
4	Асаналиева Эммира Чойбековна- Токмок медициналык колледжинин директору.		Асаналиева Эммира Чойбековна
5	Абдымаликова Минура Маннановна- Ош КМУнин медициналык колледжинин стоматологиялык жана хирургиялык дисциплиналар ИЦКсынын тарайымы.		Абдымаликова Минура Маннановна

Иш берүүчүлөр:

№	Иштеген жери, кызматы	Колу	Аты-жөнү
1	Ош облустар аралык стоматологиялык борбору, башкы арыгердин орун басары		Сейдалиев Акылбек Абдыкасымович
2	Стоматологиялык клиника "К-лент" астанасы		Рахманов Талалайбек Талибалтаевич
3	Стоматологиялык клиника "Дентал-С" директор		Алымканов Сабай Абдрашович
4	Кара-Суу шаарына караштуу стоматологиялык поликлиниканын башкы дарыгерин		Алимжан Алтынбек уулу
5	Ош шаардык №1-стоматологиялык поликлиниканын дарылоо иши боюнча директордун орун басары		Кулгаева Даутовна Луиза

Чег олмаслик ЖОЖдорун (кылаждердин) кызматкерлеринен:

№	Иштеген жери, кызматы	Колу	Аты-жону
1	Казакстан Республикасына карантуну Жети-Суу областынын ден соолукту сактоо башкармалыгынын башчысы		Райымбай кызы Гулнара
2	Өзбекстан Республикасы, Джизак обл., Галларал мед. колледжи, кафедра башчы		Тожибаева Бахриниса Хайруллаевна
3	Курск ш., ОБУЗ "КГКБСМП" даригер		Мамедова Р.Р.
4	Өзбекстан Республикасынын Андижани шаарына карантуну "AYLIN" медициналык техникумунун директорунун админий иштери бозмча орун басары		Зафарбекон Мухаммадишур Дилмураджан огли
5	Казакстан Республикасы Талдыкоргон жогорку медициналык колледжинин бөлүм башчысы, медициналык ишам ний адистигинин мастери, окутуучусу		Макашова Мейз Бурганбаевна