

REVIEWED

at the meeting of the Academic Council of
Osh International Medical University
Protocol No. 5 dated "13"
03 2026

APPROVED

Rector of Osh International Medical
University, Associate Professor
R.M. Dzhumaev
" 13 " 03 2026

GRADUATE MODEL

Field of Training (Specialty):
560001 – General Medicine

Standard duration of the educational program – **5 years**
Qualification (Degree) – **Specialist (Medical Doctor)**

State Educational Standard of Higher Professional Education approved by the Order of the Ministry of Education and Science of the Kyrgyz Republic No. 1357/1 dated July 30, 2021 (Registration No. 10822 dated August 3, 2021, Ministry of Justice of the Kyrgyz Republic)

I. Mission and Goals of Higher Professional Education in the Specialty 560001 – General Medicine

Mission of the Educational Program

Training highly qualified and competitive physicians in accordance with international standards and requirements, prepared for continuous medical education and professional development based on the integration of education, science, and healthcare.

Goals of the Educational Program *Educational Goals*

Goal 1:

Training a qualified specialist capable of performing basic medical activities and possessing organizational-managerial, educational, and research competencies in accordance with international quality assurance standards in education.

Goal 2:

Providing fundamental knowledge and skills necessary for acquiring basic professional competencies in medical-preventive and medico-social care based on the competency-based approach.

Goal 3:

Ensuring readiness for postgraduate education, social and professional mobility in the international labor market, and integration into the international scientific and educational environment.

Personal Development Goals

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Goal 3:

Ensuring readiness for postgraduate education, social and professional mobility in the international labor market, and integration into the international scientific and educational environment.

Personal Development Goals**Goal 4:**

Formation of universal human values, cultural and moral qualities, professional ethics, civic responsibility, communication skills, and tolerance among students.

Goal 5:

Development of purposefulness, discipline, diligence, critical thinking, self-development, self-realization, and lifelong learning skills required in modern society.

II. Educational Program Learning Outcomes

LO1 Able to use basic knowledge of humanities, natural sciences, and economics in professional activities.

LO1 = GC1 + GC2 + GC3 + PC2

- **GC-1** – able to analyze socially significant problems and processes and apply methods of natural sciences, mathematics, and humanities in professional and social activities;
- **GC-2** – able to analyze political events and historical processes, respect historical heritage and traditions, and form a civic position;
- **GC-3** – able to collect, process, and interpret data using modern information technologies;
- **PC-2** – able to analyze professional performance to prevent medical errors while understanding legal and ethical responsibility.

LO2 Able to apply modern communication technologies, including foreign languages, for academic and professional interaction.

LO2 = GC4 + IC3 + SPC2 + SPC3 + SPC5

- **GC-4** – able to work in a team and tolerate social, ethnic, cultural, and religious differences;
- **IC-3** – able to communicate orally and in writing in the state and official languages and use a foreign language for professional purposes;
- **SPC-2** – able to master professional communication skills and resolve conflicts constructively;
- **SPC-3** – able to continuously improve qualifications and organize personal and professional development;
- **SPC-5** – able to perform logical and reasoned analysis, public speaking, discussion, and educational activities.

LO3 Able to determine and implement priorities of personal activity and improve them according to moral and legal norms.

LO3 = PC1 + SPC1 + SPC4 + PC3

- **PC-1** – able to observe medical ethics and confidentiality principles;
- **SPC-1** – able to apply ethical, deontological, and bioethical principles in professional practice;
- **SPC-4** – able to perform professional activities according to legal and ethical standards;
- **PC-3** – able to analyze socially significant healthcare-related problems and economic relations.

LO4 Able to solve standard professional tasks using medical equipment and information technologies.

LO4 = IC1 + IC2 + PC7 + PC8

- **IC-1** – able to use computer technologies and software for professional tasks;
- **IC-2** – able to use information and communication technologies considering information security;
- **PC-7** – able to work with medical equipment and information technologies;
- **PC-8** – able to apply modern health indicators at healthcare institution level.

LO5 Able to assess morphofunctional, physiological, and pathological processes and apply research methods in diagnosis and professional practice.

LO5 = PC4 + PC5 + PC6

- **PC-4** – able to conduct pathophysiological analysis of clinical syndromes;
- **PC-5** – able to perform patient interviewing, physical examination, clinical assessment, and interpret laboratory and instrumental studies;
- **PC-6** – able to apply aseptic and antiseptic methods and use medical instruments.

LO6 Able to apply knowledge in preventive medicine and population protection in emergencies and disasters.

LO6 = PC9 + PC10 + PC11 + PC12 + PC13 + PC20 + PC24 + PC25

- PC-9** – able and ready to know the main issues and conduct temporary disability assessment and prevention of disability among adults and children;
- PC-10** – able and ready to carry out preventive measures aimed at preventing infectious, parasitic, and non-infectious diseases;
- PC-11** – able and ready to conduct health education activities among the population to eliminate modifiable risk factors for diseases and provide recommendations on healthy nutrition;

- **PC-12** – able and ready to select individuals for follow-up observation based on the results of mass tuberculin diagnostics and fluorographic examination and assess the results for early detection of tuberculosis;
- **PC-13** – able and ready to carry out anti-epidemic measures and protect the population in outbreaks of oco6o dangerous infections, during deterioration of radiation conditions, natural disasters, and other emergency situations;
- **PC-20** – able and ready to provide medical care in emergency situations, including those requiring medical evacuation;
- **PC-24** – able and ready to train junior and middle medical personnel in sanitary-hygienic regulations and ethical and deontological principles;
- **PC-25** – able and ready to educate the population on basic hygienic measures and health promotion activities aimed at developing healthy lifestyle skills.

LO7 Able to apply diagnostic knowledge for solving professional tasks.

LO7 = PC14 + PC15 + PC16

- **PC-14** – able and ready to establish a diagnosis based on the results of biochemical and clinical investigations considering pathological processes in organs, systems, and the organism as a whole;
- **PC-15** – able and ready to analyze the patterns of functioning of individual organs and systems, use knowledge of anatomical and physiological characteristics, and apply the basic methods of clinical and laboratory examination and assessment of the functional state of adults and children for timely diagnosis of diseases and pathological processes;
- **PC-16** – able and ready to use diagnostic algorithms (main diagnosis, concomitant diseases, complications) according to ICD and perform essential diagnostic measures to identify emergency and life-threatening conditions.

LO8 Able to apply therapeutic knowledge in professional activities.

LO8 = PC17 + PC18 + PC19 + PC21

- **PC-17** – able and ready to perform basic therapeutic measures for the most common diseases and conditions in adults and children in outpatient and inpatient settings;
- **PC-18** – able and ready to provide medical care in acute diseases, conditions, and exacerbations of chronic diseases that are not life-threatening and do not require emergency medical care;
- **PC-19** – able and ready to provide first medical aid in emergency and life-threatening conditions and refer patients for planned or emergency hospitalization;
- **PC-21** – able and ready to manage physiological pregnancy and conduct childbirth.

LO9 Able to apply rehabilitation knowledge in professional activities.

LO9 = PC22 + PC23

- PC-22** – able and ready to apply rehabilitation measures (medical, social, and professional) among the population in the case of the most common pathological conditions and body injuries;
- PC-23** – able and ready to provide recommendations on режим selection, determine indications and contraindications for therapeutic exercise, physiotherapy, non-pharmacological treatment methods, and use major spa and resort factors in the treatment of adults and children.

LO10 Possesses healthcare management skills and ability to maintain medical documentation and analyze statistical data.

LO10 = IC4 + PC26 + PC27 + PC28 + PC29 + PC30

- IC-4** – able and ready to use management methods, organize the work of personnel, and make responsible managerial decisions under conditions of different opinions within professional competence;
- PC-26** – able and ready to use regulatory documentation adopted in the healthcare system of the Kyrgyz Republic as well as in international medical practice;
- PC-27** – able and ready to use knowledge of the healthcare system structure and referral and counter-referral systems;
- PC-28** – able and ready to ensure rational organization of the work of junior and middle medical staff in healthcare institutions;
- PC-29** – able and ready to assess the quality of medical care using major medical-statistical indicators;
- PC-30** – able and ready to organize medical care during emergencies, including medical evacuation.

LO11 Able to apply scientific research skills in professional practice.

LO11 = PC31 + PC32 + PC33

- PC-31** – able and ready to analyze and publicly present medical information based on evidence-based medicine;
- PC-32** – able and ready to plan and conduct scientific research;
- PC-33** – able and ready to implement new methods and technologies aimed at protecting public health.

III. Area of Professional Activity

The graduate's professional activity includes technologies, methods, and approaches aimed at preserving and improving public health through quality medical care and preventive services.

IV. Objects of Professional Activity

- adolescents aged 15–18 years;
- adult population over 18 years;
- healthcare technologies and systems aimed at prevention, diagnosis, and treatment.

V. Types of Professional Activity

- preventive;
- diagnostic;
- therapeutic;
- rehabilitation;
- psychological and pedagogical;
- organizational and managerial;
- research.

VI. Professional Tasks of the Graduate

Graduates in the specialty 560001 – General Medicine must perform tasks in:

Preventive Activities

- implementing measures aimed at promoting and maintaining the health of children, adolescents, and adults;
- carrying out disease prevention activities among children, adolescents, and the adult population;
- motivating children and adults to preserve and strengthen their health;
- conducting preventive and anti-epidemic measures aimed at preventing the occurrence and spread of diseases;
- carrying out dispensary observation and follow-up care for adults, adolescents, and children;
- conducting health education and awareness activities among adults, children, their relatives, and healthcare personnel to promote a healthy lifestyle.

Diagnostic Activities

- diagnosing diseases and pathological conditions in children, adolescents, and adults using clinical, laboratory, and instrumental examination methods;
- diagnosing emergency and urgent conditions in children, adolescents, and adults;

- diagnosing pregnancy.

Therapeutic Activities

- providing treatment for adults, adolescents, and children using therapeutic and surgical methods;
- management of physiological and pathological pregnancy;
- providing medical care to adults, adolescents, and children in emergency conditions;
- carrying out medical evacuation and treatment measures during emergency situations and providing medical care in epidemic outbreaks and mass casualty incidents;
- organizing the proper use, handling, and storage of medications.

Rehabilitation Activities

- conducting rehabilitation measures for adults, adolescents, and children after somatic diseases, injuries, or surgical interventions;
- applying therapeutic exercise, physiotherapy, and health resort factors for preventive and rehabilitation purposes in adults and children.
- Educational Activities
- promoting positive health behavior among adults, adolescents, and children aimed at preserving and improving health;
- motivating adults, adolescents, and children to adopt a healthy lifestyle, including elimination of harmful habits negatively affecting health;
- educating adults, adolescents, and children on health improvement and disease prevention measures.

Organizational and Managerial Activities

- understanding the healthcare system organization and patient referral system;
- maintaining medical documentation in hospitals and primary healthcare settings;
- ensuring the quality of diagnostic, therapeutic, rehabilitation, and preventive medical care for adults and children;
- conducting official correspondence, including reports, memoranda, and professional letters.

Research Activities

- analyzing scientific literature and official statistical reports;
- preparing professional presentations and reports;
- participating in statistical data analysis and preparation of research reports.

VII. Graduate Model

Educational outcomes are determined by competencies acquired by graduates and their ability to apply knowledge, communication skills, professional judgment, and lifelong learning according to Dublin Descriptors.

Universal Competencies / Expected Learning Outcomes

Systems Thinking and Critical Thinking Skills	Able to apply basic knowledge of humanities, natural sciences, and economics in professional practice (LO1)
Communication Skills and Intercultural Interaction	Able to apply modern communication technologies, including foreign languages, for academic and professional interaction (LO2).
Self-Organization and Lifelong Learning, Leadership and Teamwork	Able to determine and implement priorities in personal professional activity and improve it based on accepted moral and legal standards of society (LO3).
Information Literacy and Safety	Able to solve standard professional tasks using medical equipment, information and communication resources, and technologies in compliance with information and technical security requirements (LO4).
General Professional Competencies / Expected Learning Outcomes	
Morphophysiological and Pathophysiological Basis of Diseases and Conditions	Able to assess morphofunctional, physiological conditions and pathological processes in order to solve professional tasks (LO5).
Professional Competencies / Expected Learning Outcomes	
Preventive Activity	Able to apply basic knowledge in the field of preventive medicine to solve professional tasks (LO6).
Diagnostic Activity	Able to apply basic knowledge in the field of diagnostic activity to solve professional tasks (LO7).
Therapeutic Activity	Able to apply basic knowledge in the field of therapeutic activity to solve professional tasks (LO8).
Rehabilitation Activity	Able to apply basic knowledge in the field of rehabilitation activity to solve professional tasks (LO9).
Organizational and Managerial Activity	Possesses management skills in the healthcare system, including maintaining medical records and reporting documentation, and analyzing statistical data (LO10).
Research Activity	Able to apply basic knowledge in the field of scientific research activity to solve professional tasks (LO11).

VIII. Competencies of the Graduate According to the State Educational Standard

UNIVERSAL COMPETENCIES

General Scientific Competencies (GC-1, GC-2, GC-3, GC-4)

- Able and ready to analyze socially significant problems and processes, and apply methods of natural sciences, mathematics, and humanities in various types of professional and social activities (GC-1);
- Able and ready to analyze important political events and trends, master the fundamental concepts and patterns of the world historical process, respect historical heritage and traditions, and evaluate state policies in order to develop civic responsibility and awareness (GC-2);
- Able and ready to collect, process, and interpret data using modern information technologies necessary for forming judgments on relevant social, scientific, and ethical issues (GC-3);
- Able and ready to work in a team and demonstrate tolerance toward social, ethical, religious, and cultural differences (GC-4).

Instrumental Competencies (IC-1, IC-2, IC-3, IC-4)

- Able and ready to work with computer technology and system/application software for solving professional tasks (IC-1);
- Able and ready to use information resources, bibliographic databases, and information and communication technologies while observing information security requirements (IC-2);
- Able and ready for written and oral communication in the state and official languages, and able to master a foreign language for solving professional tasks (IC-3);
- Able and ready to apply management methods, organize the work of staff members, and make responsible managerial decisions under varying opinions within professional competence (IC-4).

Social, Personal and Cultural Competencies (SPC-1, SPC-2, SPC-3, SPC-4, SPC-5)

- Able and ready to implement ethical, deontological, and bioethical principles in professional activity (SPC-1);
- Able and ready to master professional communication skills, build interpersonal relationships, work in teams, resolve conflicts constructively, and demonstrate tolerance toward social, ethnic, religious, and cultural differences (SPC-2);
- Able and ready for continuous professional development, self-knowledge, self-improvement, and self-actualization; capable of time management, planning and organizing personal activities, and building strategies for personal and professional growth and education (SPC-3);

- Able and ready to perform professional activities in accordance with accepted moral and legal standards of society, comply with laws and regulations concerning confidential information, and bear social and ethical responsibility for decisions made (SPC-4);
- Able and ready for logical and reasoned analysis, public speaking, discussion and debate, educational activities, and professional cooperation (SPC-5).

PROFESSIONAL COMPETENCIES

General Professional Competencies (PC-1 to PC-9)

- Able and ready to comply with medical ethics, legal regulations regarding confidential information, and maintain medical confidentiality (PC-1);
- Able and ready to analyze the results of personal professional activity in order to prevent medical errors, understanding disciplinary, administrative, civil, and criminal responsibility (PC-2);
- Able and ready to analyze socially significant problems and processes and apply principles of economic relations within the healthcare system (PC-3);
- Able and ready to perform pathophysiological analysis of clinical syndromes and justify pathogenetically based methods of diagnosis, treatment, rehabilitation, and prevention considering age and gender characteristics of the population (PC-4);
- Able and ready to conduct and interpret patient interviews, physical examinations, clinical assessments, results of modern laboratory and instrumental investigations, and prepare medical records for outpatient and inpatient adult and pediatric patients (PC-5);
- Able and ready to apply aseptic and antiseptic techniques, use medical instruments, and provide patient care (PC-6);
- Able and ready to work with medical equipment used in patient care and apply modern information technologies for solving professional tasks (PC-7);
- Able and ready to use up-to-date information on public health indicators at the healthcare facility level (PC-8);
- Able and ready to address issues related to temporary disability assessment and prevention of disability among adults and children (PC-9).

Preventive Activity Competencies (PC-10 to PC-13)

- Able and ready to implement preventive measures aimed at preventing infectious, parasitic, and non-communicable diseases (PC-10);
- Able and ready to conduct public health education aimed at eliminating modifiable risk factors and provide recommendations on healthy nutrition (PC-11);
- Able and ready to select individuals for follow-up observation based on tuberculin testing and fluorographic screening results for early tuberculosis detection (PC-12);
- Able and ready to conduct anti-epidemic measures and protect the population in outbreaks of particularly dangerous infections, radiation emergencies, natural disasters, and other emergency situations (PC-13).

Diagnostic Activity Competencies (PC-14 to PC-16)

- Able and ready to establish diagnoses based on biochemical and clinical investigation results considering pathological processes in organs, systems, and the organism as a whole (PC-14);
- Able and ready to analyze patterns of functioning of organs and systems, apply knowledge of anatomical and physiological features, and use basic clinical and laboratory examination methods for timely diagnosis of diseases and pathological conditions in adults and children (PC-15);
- Able and ready to use diagnostic algorithms for establishing primary, concomitant, and complication diagnoses according to ICD classification and perform key diagnostic procedures for identifying urgent and life-threatening conditions (PC-16).

Therapeutic Activity Competencies (PC-17 to PC-21)

- Able and ready to perform essential therapeutic measures for the most common diseases and conditions in adults and children in outpatient and inpatient settings (PC-17);
- Able and ready to provide medical care for acute diseases, conditions, and exacerbations of chronic illnesses that do not pose an immediate threat to life and do not require emergency medical care (PC-18);
- Able and ready to provide first medical aid in urgent and life-threatening conditions and refer patients for planned or emergency hospitalization (PC-19);
- Able and ready to provide medical assistance during emergency situations, including cases requiring medical evacuation (PC-20);
- Able and ready to manage physiological pregnancy and conduct childbirth (PC-21).

Rehabilitation Activity Competencies (PC-22 to PC-23)

- Able and ready to implement rehabilitation measures (medical, social, and professional) for patients with common pathological conditions and injuries (PC-22);
- Able and ready to provide recommendations on treatment regimens, determine indications and contraindications for physical therapy, physiotherapy, non-pharmacological treatment methods, and use spa and resort factors in the treatment of adults and children (PC-23).

Educational Activity Competencies (PC-24 to PC-25)

- Able and ready to train junior and mid-level medical personnel in sanitary and hygienic regulations, ethical, and deontological principles (PC-24);
- Able and ready to educate the population on hygiene measures and health promotion activities aimed at developing healthy lifestyle skills (PC-25).

Organizational and Managerial Activity Competencies (PC-26 to PC-30)

- Able and ready to use regulatory documentation adopted in the healthcare system of the Kyrgyz Republic and international medical practice (PC-26);
- Able and ready to use knowledge of healthcare system structures and patient referral systems (PC-27);

- Able and ready to ensure rational organization of work among junior and mid-level healthcare personnel in medical institutions (PC-28);
- Able and ready to evaluate the quality of medical care using key medical and statistical indicators (PC-29);
- Able and ready to organize medical care during emergency situations, including medical evacuation (PC-30).

Research Activity Competencies (PC-31 to PC-33)

- Able and ready to analyze and publicly present medical information based on evidence-based medicine principles (PC-31);
- Able and ready to plan and conduct scientific research (PC-32);
- Able and ready to implement new methods and technologies aimed at protecting and improving public health (PC-33).

IX. Draft Curriculum

Duration of study: **5 years (full-time)**

Workload:

- 64 credits per academic year;
- 32 credits per semester;
- 1 credit = 30 academic hours.

Codes of Academic Cycles and Sections	Academic Cycles and Sections according to SES HPE 2021	Workload, Credits
C. 1	Humanities, Social and Economic Cycle	Credits / Hours
C. 1. B.	Humanities, Social and Economic Cycle	16 / 480
C. 2	Mathematical and Natural Sciences Cycle	6 / 180
C. 2. B.	Basic part	6/ 180
C. 3	Professional Cycle	267 / 8010
C. 3. B.	Basic part	162 / 4860
C. 3. B.	Variative part	105/3150
C. 4.	Internship	25 / 750

C. 5.	State Final Certification	6 / 180
	TOTAL	320 / 9600

X. Quality Assurance and Assessment

The workload includes all classroom and independent student activities, internship, and all forms of assessment. Assessment includes current, interim, and final state examinations. Evaluation tools include tests, assignments, examinations, and competency-based assessments.

XI. Career Opportunities for Graduates

After successful completion of the program and state final certification, graduates receive a diploma of higher professional education with the qualification “**Medical Doctor.**”

Graduates are eligible:

- for postgraduate clinical education;
- for employment in healthcare institutions under supervision;
- for scientific research activities (Master’s, PhD, postgraduate studies);
- for teaching and academic activities.

AGREED BY

1. Veronika D. Tursunova – Head of the Educational Program 560001 “General Medicine”, Senior Lecturer
2. K.Sh. Sakibaev – Deputy Head of the Educational Program, Candidate of Medical Sciences, Associate Professor, Vice-Rector for Academic and Scientific Affairs
3. A.A. Momunova – Deputy Head of the Educational Program, Candidate of Biological Sciences, Associate Professor, Quality Management Specialist
4. N.T. Toktonazarova – Secretary of the Educational Program, Lecturer, Deputy Dean for Academic Affairs

Members of the Working Group

5. Zh.K. Muratov – Doctor of Medical Sciences, Professor, President of OIMU
6. R.M. Dzhumaev – Candidate of Medical Sciences, Associate Professor, Rector of OIMU
7. Ch.M. Alieva – Candidate of Pedagogical Sciences, Associate Professor, Vice-Rector for Social Affairs and State Language
8. N.M. Tashmatova – Candidate of Biological Sciences, Associate Professor, Dean of the Faculty of General Medicine
9. B.T. Abdimomunova – Candidate of Medical Sciences, Head of the Department of Clinical Disciplines
10. R.O. Yusupova – Candidate of Philological Sciences, Associate Professor, Head of the Department of Natural Sciences and Humanities
11. S.R. Alkanov – Director of “Andros” Clinic
12. Ali Athar – Social Partner
13. Thoomathy Maheswaran Keerthana – OIMU student (5th year)

