

FEDERAL STATE BUDGETARY EDUCATIONAL INSTITUTION OF HIGHER  
EDUCATION "ROSTOV STATE MEDICAL UNIVERSITY" OF THE MINISTRY OF  
HEALTHCARE OF THE RUSSIAN FEDERATION

ADOPTED  
at the meeting of the Academic Council of  
FSBEI HE RostSMU MOH Russia  
record No. **10** dated **23 ABF 2023**

APPROVED  
by the Rector's order  
No. **359** dated **30 ABF 2023**

**THE EDUCATIONAL PROGRAM OF HIGHER EDUCATION "GENERAL MEDICINE"**

Specialty 31.05.01 General Medicine

The level of higher education - Specialist's degree  
Qualification – Physician (Medical Doctor)

## **GENERAL PROVISIONS**

The educational program in the specialty 05/31/01 General Medicine is a complex of basic characteristics of education (volume, content, planned results) and organizational and pedagogical conditions, which is presented in the form of a curriculum, academic calendar, work programs of academic subjects, courses, disciplines (modules), other components, assessment and methodological materials, as well as in the form of an educational work program, a calendar plan for educational work, and certification forms.

Regulatory documents for the development of an educational program (hereinafter EP):

Federal Law: “On Education in the Russian Federation” (dated December 29, 2012 No. 273-FZ);

The procedure for organizing and carrying out educational activities in educational programs of higher education - undergraduate programs, specialty programs, master's programs, approved by Order of the Ministry of Education and Science of Russia dated April 6, 2021 No. 245 (hereinafter referred to as the Procedure for organizing educational activities);

The procedure for conducting state final certification for educational programs of higher education - bachelor's programs, specialty programs and master's programs, approved by order of the Ministry of Education and Science of Russia dated June 29, 2015 No. 636;

Regulations on practical training of students, approved by Order of the Ministry of Education and Science of Russia No. 885, Order of the Ministry of Education of Russia No. 390 dated August 5, 2020, as amended on November 18, 2020;

Federal State Educational Standard of Higher Education (FSSES VO) in specialty 05/31/01 General Medicine, approved by order of the Ministry of Education and Science of the Russian Federation dated February 9, 2016 No. 95;

Charter Growth of GMU;

local regulations Growth of State Medical University.

### **1. GENERAL CHARACTERISTICS OF EDUCATION PROGRAMS**

#### **Target**

Creation and provision of conditions for high-quality training of highly professional healthcare specialists who have both basic general cultural and general professional competencies, as well as professional competencies that allow them to effectively solve the tasks assigned to healthcare workers.

In the field of education of the individual and citizen, the common goals are the formation of general cultural competencies, in accordance with the Federal State Educational Standard for Higher Education. These goals are achieved by increasing students' level of general scientific knowledge and skills, instilling in them hard work, responsibility, citizenship, determination, organization,

communication skills, increasing their general culture and the necessary level of socio-cultural tolerance.

In the field of professional training of the student, the general goals of the EP are the formation of general professional and professional competencies, in accordance with the Federal State Educational Standard for Higher Education. The formation of competencies will be the basis for the implementation of medical, organizational, managerial and scientific research activities of a specialist, in accordance with the high requirements imposed by the state and society on graduates of medical universities, and will also ensure their relevance in the labor market.

**Forms of training:** full-time

**Scope of the program:** The total labor intensity of the EP for full-time specialist training is 360 credit units and is implemented over a period of 6 years. For one academic year, the volume of the specialty program is 60 credit units (one credit unit corresponds to 36 academic hours).

The complexity of mastering the EP includes all types of classroom and independent work of the student, educational and production practices and the time allocated to control the quality of the student's mastery of the EP, including the state final certification.

**Duration of education:** six years.

The use of e-learning, distance learning technologies and networking in the implementation of the program.

When implementing the EP in the specialty 31.05.01 General Medicine, e-learning is used, it is possible to use distance educational technologies and a network form of training.

**Language of instruction:** educational activities under the specialty program are carried out in the state language of the Russian Federation.

## **2. CHARACTERISTICS OF PROFESSIONAL ACTIVITIES OF GRADUATES OF THE EDUCATIONAL PROGRAM 05/31/01 MEDICINE**

**Area of professional activity of the graduate:**

The area of professional activity of graduates who have mastered the specialty program includes: protecting the health of citizens by ensuring the provision of medical care in accordance with established requirements and standards in the field of healthcare.

**Objects of professional activity of the graduate:**

The objects of professional activity of graduates who have mastered the specialty program are: individuals (patients); population; a set of means and technologies aimed at creating conditions for protecting the health of citizens.

**Types of professional activities of the graduate:**

Types of professional activities for which graduates who have mastered the specialty program are prepared: medical; organizational and managerial; scientific research.

### **Objectives of the graduate's professional activity:**

A graduate who has mastered the specialty program is ready to solve the following professional problems:

#### ***medical activities:***

- preventing the occurrence of diseases among the population by carrying out preventive and anti-epidemic measures;
- Conducting preventive medical examinations, medical examinations, and follow-up;
- carrying out the collection and medical-statistical analysis of information on health indicators of the population of various age and sex groups, characterizing their health status;
- diagnosis of diseases and pathological conditions of patients;
- diagnosis of emergency conditions;
- pregnancy diagnosis;
- conducting an examination of temporary disability and participating in other types of medical examination;
- provision of primary medical care in outpatient and day hospital settings;
- provision of primary medical care for sudden acute diseases, conditions, exacerbation of chronic diseases that are not accompanied by a threat to the patient's life and do not require emergency medical care;
- participation in the provision of emergency medical care for conditions requiring urgent medical intervention;
- provision of medical care in emergency situations, including participation in medical evacuation;
- participation in medical rehabilitation and sanatorium-resort treatment;
- formation of motivation among the population, patients and members of their families aimed at preserving and strengthening their health and the health of others;
- training patients in basic hygienic health measures that help prevent the occurrence of diseases and promote health;

#### ***organizational and managerial activities:***

- application of the basic principles of organizing the provision of medical care in medical organizations and their structural divisions;
- creation of favorable conditions in medical organizations  
Forstay of patients and work activities of medical personnel;
- maintaining medical records in medical organizations;
- organization of medical examination;
- participation in organizing assessment of the quality of medical care provided to patients;
- compliance with basic information security requirements;

***research activities:***

- analysis of scientific literature and official statistical reviews, participation in statistical analysis and public presentation of the results obtained;
- participation in solving certain research and scientific-applied problems in the field of healthcare in diagnosis, treatment, medical rehabilitation and prevention.

**3.REQUIREMENTS RESULTS**

**DEVELOPMENTEDUCATIONAL PROGRAM**

**05/31/01 MEDICINE**

As a result of mastering the program in the specialty 05/31/01 General Medicine, the graduate must have the following competencies:

***General cultural competencies (GC):***

- ability for abstract thinking, analysis, synthesis (OK-1);
- the ability to use the fundamentals of philosophical knowledge to form a worldview position (OK-2);
- the ability to analyze the main stages and patterns of the historical development of society to form a civic position (OK-3);
- the ability to act in non-standard situations, bear social and ethical responsibility for decisions made (OK-4);
- readiness for self-development, self-realization, self-education, use of creative potential (OK-5);
- the ability to use methods and means of physical culture to ensure full-fledged social and professional activities (OK-6);
- readiness to use first aid techniques, methods of protection in emergency situations (OK-7);
- readiness to work in a team, tolerantly perceive social, ethnic, religious and cultural differences (OK-8).

***General professional competencies (GPC):***

- willingness to solve standard problems of professional activity using information and bibliographic resources, medical and biological terminology, information communication technologies and taking into account the basic requirements of information security (OPK-1);
- readiness to communicate in oral and written forms in Russian and foreign languages to solve problems of professional activity (GPC-2);
- the ability to use the basics of economic and legal knowledge in professional activities (GPC-3);
- ability and willingness to implement ethical and deontological principles in professional activities (GPC-4);
- ability and willingness to analyze the results of one's own

- activities to prevent professional errors (OPK-5);
- readiness to maintain medical records (OPK-6);
  - readiness to use basic physical, chemical, mathematical and other natural science concepts and methods in solving professional problems (GPC-7);
  - readiness for medical use of drugs and other substances and their combinations in solving professional problems (GPC-8);
  - the ability to assess morphofunctional, physiological states and pathological processes in the human body to solve professional problems (OPK-9);
  - readiness to ensure the organization of patient care and provision of primary pre-medical health care (GPC-10);
  - readiness to use medical devices provided for in the procedures for providing medical care (OPK-11).

***Professional competencies (PC):***

**Medical activities:**

- ability and readiness to implement a set of measures aimed at preserving and strengthening health and including the formation of a healthy lifestyle, prevention of the occurrence and (or) spread of diseases, their early diagnosis, identification of the causes and conditions of their occurrence and development, as well as aimed at eliminating harmful effects on human health of environmental factors (PC-1);
- ability and readiness to conduct preventive medical examinations, medical examinations and follow-up (PC-2);
- ability and readiness to carry out anti-epidemic measures, organize the protection of the population in hotbeds of especially dangerous infections, in case of deterioration of the radiation situation, natural disasters and other emergency situations (PC-3);
- ability and readiness to use social and hygienic methods for collecting and medical-statistical analysis of information on population health indicators (PC-4);
- readiness to collect and analyze the patient's complaints, his medical history, examination results, laboratory, instrumental, pathological, anatomical and other studies in order to recognize the condition or establish the presence or absence of the disease (PC-5);
- the ability to determine the patient's main pathological conditions, symptoms, disease syndromes, nosological forms in accordance with the International Statistical Classification of Diseases and Related Health Problems, X revision (PC-6);
- readiness to conduct an examination of temporary disability, participate in a medical and social examination, ascertain

- biological death of a person (PC-7);
- ability to determine tactics for managing patients with various nosological forms (PC-8);
  - readiness to manage and treat patients with various nosological forms in outpatient and day hospital settings (PC-9);
  - readiness to provide medical care for sudden acute diseases, conditions, exacerbation of chronic diseases that are not accompanied by a threat to the patient's life and do not require emergency medical care (PC-10);
  - readiness to participate in the provision of emergency medical care in conditions requiring urgent medical intervention (PC-11);
  - readiness to manage physiological pregnancy and deliveries (PC-12);
  - readiness to participate in the provision of medical care in emergency situations, including participation in medical evacuation (PC-13);
  - readiness to determine the need to use natural healing factors, drug, non-drug therapy and other methods in patients in need of medical rehabilitation and sanatorium treatment (PC-14);
  - readiness to teach patients and their relatives basic hygienic measures of a health-improving nature, self-monitoring skills of basic physiological indicators that contribute to the preservation and strengthening of health, and disease prevention (PC-15);
  - readiness for educational activities to eliminate risk factors and develop healthy lifestyle skills (PC-16);

**Organizational and managerial activities:**

- the ability to apply the basic principles of organization and management in the field of protecting the health of citizens, in medical organizations and their structural divisions (PC-17);
- readiness to participate in assessing the quality of medical care using basic medical and statistical indicators (PC-18);
- ability to organize medical care in emergency situations, including medical evacuation (PK-19);

**Research activities:**

- readiness to analyze and publicly present medical information based on evidence-based medicine (PC-20);
- ability to participate in scientific research (PC-21);
- readiness to participate in the implementation of new methods and techniques aimed at protecting the health of citizens (PC-22).

**4. CURRICULUM AND SCHEDULE OF THE TRAINING PROCESS**

The curriculum displays the logical sequence of mastering cycles and sections of EP (disciplines, practices) that ensure the formation

competencies. The total labor intensity of disciplines and practices in credit units is indicated, as well as their total and classroom labor intensity in hours. The basic parts of the educational cycles contain a list of disciplines in accordance with the requirements of the Federal State Educational Standard for Higher Education.

The academic calendar is drawn up for all courses of study and approved by the rector of Rostov State Medical University for a period of one academic year. The academic calendar establishes the sequence and duration of theoretical training, examination sessions, practical training, state final certification, and student vacations.

## **5. WORK PROGRAMS OF DISCIPLINES**

For all disciplines OP 31.05.01. General medicine has developed work programs that are updated annually taking into account the development of science, technology and the social sphere.

Work programs of disciplines include the name of the discipline; a list of planned learning outcomes in the discipline, indicating the place of the discipline in the structure of the EP; the volume of the discipline in credit units, indicating the academic hours allocated for the contact work of the teacher with students by type of training sessions and for the independent work of students; topics (sections) indicating the number of academic hours allocated to them and types of training sessions; a fund of assessment funds for conducting intermediate certification of students in the discipline; a list of basic and additional literature necessary for mastering the discipline; methodological instructions for students on mastering the discipline.

## **6. PRACTICE PROGRAMS**

In accordance with the Federal State Educational Standard for Higher Education in the specialty 31.05.01 General Medicine, the EP block “Practices, including research work (R&D)” is mandatory and is a type of educational and practical classes directly focused on the professional and practical training of students. Practicums consolidate the knowledge and skills acquired by students as a result of mastering theoretical courses, develop practical skills and scientific work skills, and contribute to the comprehensive formation of general cultural, general professional and professional competencies.

When implementing the educational program, the following types of practices are provided:

1. Educational practice, including the following types:

1.1 Practice to obtain primary professional skills.

1.2 Clinical practice

The method of conducting educational practice is stationary. The educational practices implemented during the development of EP include:

- care for medical and surgical patients.

In the course of mastering this type of practice, students develop the necessary set of professional skills and acquire initial practical experience in the main types of professional



activities for their subsequent development of competencies in their chosen specialty, mastery of nursing manipulations, acquisition of patient care skills and ethical and deontological education.

## 2. Internship:

- 2.1 Practice to gain professional skills  
experience professional activity;
- 2.2 Clinical practice;
- 2.3 Research work.

The method of conducting educational practice is stationary and away.

Practices for obtaining professional skills and experience in professional activities and clinical practice implemented during the development of EP include the following types:

- assistant to junior medical staff;
- assistant ward nurse;
- procedural nurse assistant;
- physician assistant;
- physician assistant at an outpatient clinic.

Internships are carried out both in departments and clinics of the University, and in third-party organizations - medical and scientific organizations that have the necessary personnel, scientific and technical potential, the main activities of which determine the availability of facilities and types of professional activity of graduates in the specialty 05/31/01 General Medicine.

The bases for carrying out practical training at the university are leading medical institutions with which RostSMU has agreements on practical training.

The practice program includes: an indication of the type of practice, method and form(s) of its implementation; a list of planned practice results correlated with the planned results of mastering the EP; indication of the place of practice in the structure of the EP; indication of the volume of practice in credit units and its duration; practice sections; indication of practice reporting forms; a fund of assessment tools for conducting intermediate certification of students in practice; a list of educational literature necessary for practical training; description of the material and technical base necessary for the practice.

Certification based on the results of practice is carried out on the basis of completed reporting documents on practice.

**Research work** students is implemented throughout the entire period of study and includes the following types of work:

- studying special literature and other scientific information about the achievements of domestic and foreign medical science and technology;
- participation in scientific research at the departments of Rostov State Medical University;
- preparation and writing of scientific abstract reports;
- participation in scientific and practical conferences held both at the university and outside it.

- participation in the activities of scientific and practical circles of departments;
- preparation by students of articles for publication in scientific journals and collections.

The research work program includes: goals and objectives; place in the EP structure; list of planned results; indication of the method and form of implementation; methodological recommendations for implementation; educational and methodological support.

#### VALUATION FUNDS

Assessment of the quality of mastering the EP includes ongoing monitoring of academic performance, intermediate certification of students and State Examination of graduates in the specialty 05/31/01. General Medicine.

To implement intermediate control in all disciplines, funds of assessment tools have been developed for conducting intermediate certification of students in a discipline or practice, which is part of the corresponding work program of the discipline or practice program, includes:

- list of competencies;
- description of criteria for assessing competencies;
- standard test tasks or other materials necessary for assessing knowledge, abilities, skills and (or) experience that characterize the stages of developing competencies in the process of mastering the educational program.

Conditions have been created for the maximum approximation of programs for ongoing monitoring of progress and intermediate certification of students to the conditions of professional activity

### 7. STATE FINAL CERTIFICATION

State final certification of a graduate of Rostov State Medical University is mandatory and is carried out after he has mastered the educational program in full.

The purpose of the GIA is to establish the level of preparation of a graduate to perform professional tasks and the compliance of his training with the requirements of the Federal State Educational Standard for Higher Education.

Tasks of the State Examination Examination: checking the level of development of competencies defined by the Federal State Educational Standard for Higher Education, making a decision on assigning qualifications based on the results of the State Examination Examination and issuing a document on education.

The state final certification of EP graduates in their specialty takes the form of a state interdisciplinary exam in the form of an oral interview.

The degree of the graduate's ability to make optimal solutions to professional problems based on the integration of theoretical and practical knowledge acquired during the development of the educational program is subject to assessment.

The state final certification program includes: the purpose and objectives of the state final certification; state exam program; criteria for assessing the results of passing the state exam,

a list of questions submitted for the state exam, recommendations for students to prepare for the state exam, including a list of recommended literature for preparing for the state exam.

## **8. REQUIREMENTS FOR PROGRAM IMPLEMENTATION CONDITIONS**

8.1. RostSMU has a material and technical base that ensures all types of disciplinary and interdisciplinary training, laboratory, practical and research work of students provided for by the curriculum, and complies with current sanitary and fire safety rules and regulations.

The list of material and technical support meets the requirements of the Federal State Educational Standard and includes classrooms for conducting lecture-type classes, seminar-type classes, group and individual consultations, ongoing monitoring and intermediate certification, a simulation center, as well as rooms for independent work and premises for storage and preventive maintenance of educational equipment, laboratories equipped with laboratory equipment.

Special premises are classrooms for conducting lecture-type classes, seminar-type classes, course design (completing coursework), group and individual consultations, ongoing monitoring and intermediate certification, as well as rooms for independent work and rooms for storage and preventive maintenance of educational equipment, equipped with specialized furniture and technical teaching aids that serve to present educational information to a large audience.

To conduct lecture-type classes, there are sets of demonstration equipment and educational visual aids that provide thematic illustrations in accordance with the content of the work programs of the disciplines. The list of logistics necessary for the implementation of the specialty program includes laboratories equipped with laboratory equipment.

The premises for independent work of students are equipped with computer equipment with the ability to connect to the Internet and provide access to the electronic information and educational environment of the Rostov State Medical University of the Ministry of Health of Russia.

The educational process in the growth of the State Medical University of the Ministry of Health of Russia is ensured the necessary set of licensed software.

Electronic library systems (electronic library) and electronic information and educational environment must provide simultaneous access to at least 25 percent of students in the specialty program. The electronic library system provides individual access for each student from any point where there is access to the Internet.

The electronic information and educational environment provides:

access to curricula, work programs of disciplines (modules), practices, publications of electronic library systems and electronic educational resources specified in the work programs;

recording the progress of the educational process, the results of intermediate certification and the results of mastering the main educational program;

conducting all types of classes, procedures for assessing learning outcomes, the implementation of which is provided for using e-learning and distance learning technologies;

formation of a student's electronic portfolio, including the preservation of the student's work, reviews and evaluations of these works by any participants in the educational process;

interaction between participants in the educational process, including synchronous and (or) asynchronous interactions via the network "Internet".

The functioning of the electronic information and educational environment is ensured by appropriate means information and communication technologies and the qualifications of workers who use and support them. The functioning of the electronic information and educational environment must comply with the legislation of the Russian Federation.

The Historical Museum of Rostov State Medical University, the exhibition of which reflects the main milestones in the formation and development of the university and medicine on the Don in inextricable connection with the historical periods of the life of our country, allows students to touch the historical heritage within the walls of the university, creates favorable conditions for the formation of a full-fledged personality, citizen, doctor, provides continuity of generations allows students to feel involved in the great achievements of their fellow countrymen and colleagues.

When mastering the EP, students have individual unlimited access to electronic library systems and electronic information educational environment of the university, through information telecommunications network "Internet". The electronic reading room of the RostSMU library provides students and university staff with wide access to electronic subscription resources. The Rostov State Medical University library has a rich library collection, the volume of which meets the requirements of the Federal State Educational Standard for Higher Education.

## 8.2. Requirements for personnel conditions for the implementation of the specialty program.

The qualifications of managerial and scientific-pedagogical employees of Rostov State Medical University correspond to the qualification characteristics established in the Unified Qualification Directory of Positions of Managers, Specialists and Employees, section "Qualification characteristics of positions of managers and specialists of higher professional and additional professional education."

The share of full-time scientific and pedagogical workers (in rates reduced to integer values) must be at least 50 percent of the total number of scientific and pedagogical workers of the University.

The implementation of the specialty program is ensured by management, scientific and teaching staff of the University, as well as persons involved in the implementation of the specialty program under the terms of a civil contract.

The share of scientific and pedagogical workers (in terms of rates reduced to integer values) with an education corresponding to the profile of the taught discipline (module) in the total number of scientific and pedagogical workers implementing the specialty program must be at least 70 percent.

The share of scientific and pedagogical workers (in terms of rates converted to integer values) who have an academic degree (including an academic degree awarded abroad and recognized in the Russian Federation) and (or) an academic title (including an academic title received abroad and recognized in the Russian Federation), the total number of scientific and pedagogical workers implementing the specialty program must be at least 65 percent.

The share of employees (in terms of rates reduced to integer values) from among the managers and employees of organizations whose activities are related to the focus (profile) of the specialty program being implemented (with at least 3 years of work experience in this professional field) in the total number of employees implementing the specialty program, must be at least 10 percent.

8.3. Financial support for the implementation of the specialty program must be carried out in an amount not lower than the basic standard costs established by the Ministry of Education and Science of the Russian Federation for the provision of public services in the field of education for a given level of education and area of training, taking into account correction factors that take into account the specifics of educational programs in accordance with the Methodology for determining standard costs for the provision of public services for the implementation of educational programs of higher education in specialties (areas of training) and enlarged groups of specialties (areas of training), approved by order of the Ministry of Education and Science of the Russian Federation dated October 30, 2015.

No. 1272 (registered by the Ministry of Justice of the Russian Federation on November 30, 2015, registration No. 39898).

Head of the educational program Andrey Vladimirovich Safronenko, Doctor of Medical Sciences, Associate Professor, Head of the Department of Pharmacology and Clinical Pharmacology.