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MINISTRY OF SCIENCE AND HIGHER EDUCATION
RUSSIAN FEDERATION
FEDERAL STATE AUTONOMOUS EDUCATIONAL INSTITUTION OF
HIGHER EDUCATION
NORTH-CAUCASUS FEDERAL UNIVERSITY

AGREED	APPROVED
by Academic & Methodological Committee of the University Protocol #5 of 21/05/2026	Assoc. Prof. Kubanov S.I. Chair of Academic Council Faculty of Medicine and Biology Protocol #9 of 22/05/2026

HIGHER EDUCATION PROGRAM

Specialty: 31.05.01 General Medicine
Faculty: MEDICINE AND BIOLOGY
Mode of training: Full-time
Year of commencement of studies: 2026

Stavropol, 2026

Developed:

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AGREED: Employer organization representative: Vilensky I.L., Chief Physician of Independent CDL, LLC

Protocol of the Academic & Methodological Committee meeting, Faculty of Medicine and Biology #5 of 20 May, 2026.

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I. GENERAL PROVISIONS

The Educational Program (EP) implemented by NCFU for the specialty of 31.05.01 General Medicine is a system of documents developed and approved by NCFU in view of the labor market requirements based on the Federal State Educational Standard for Higher Education in the specialty 31.05.01 General Medicine (FSES HE).

The Educational Program regulates the goals, expected outcomes, content, conditions, and technologies of the educational process, as well as the assessment of graduate preparation quality in this specialty. It includes: the curriculum plan, syllabi of academic courses, subjects, disciplines (modules), and other materials ensuring the quality of student training, as well as syllabi for educational and clinical internships (practices), the academic calendar, and methodological materials ensuring the implementation of the respective educational program.

The following are defined in this educational program:

- planned outcomes – the competencies as set by the educational standard;
- planned learning outcomes for each discipline and internship – knowledge, abilities, skills, and/or practical experience that describe the stages of competency development and ensure the achievement of the planned outcomes.

Mode of study: Full-time.

Qualifications awarded: General Practitioner (Physician).

Language: English.

E-learning and remote learning technologies may be employed during the implementation of the program. The implementation of the program exclusively via e-learning and distance learning technologies shall not be permitted.

For students with disabilities, this program shall be adjusted taking into account the recommendations of the psychological-medical-pedagogical commission and the respective individual rehabilitation program. The training process for persons with disabilities is carried out following the Regulations on Arranging the Education for Persons with Disabilities at North-Caucasus Federal University.

When teaching persons with disabilities, distance learning technologies imply possible information exchange accessible to them.

1.1. List of Regulatory Documents for the Development of the Higher Education Program

The regulatory and legal framework for the development of the EP HE Specialist Degree program comprises:

Federal Law # 273- FZ of December 29, 2012, On Education in the Russian Federation;

Federal Law # 304-FZ of July 31, 2020, On Amending the Federal Law **On Education in the Russian Federation** on Matters of Student Education;

Federal State Educational Standard for Higher Education – Specialist Degree in the specialty 31.05.01 General Medicine, approved by Order of the Ministry of Science and Higher Education of the Russian Federation # 988 of August 12, 2020;

Order by the Ministry of Science and Higher Education of the Russian Federation # 885, Ministry of Education of the Russian Federation # 390 of August 05, 2020, On the Practical Training of Students (together with the Regulations on the Practical Training of Students);

Order by the Ministry of Science and Higher Education of the Russian Federation # 245 of April 06, 2021, On Approving the Procedure for Organizing and Carrying out Educational Activities under Higher Education Programs – Bachelor's Programs, Specialist Programs, Master's Programs;

Decree by the Government of the Russian Federation # 1678 of October 11, 2023, On Approving the Rules for the Application of E-Learning and Distance Learning Technologies by Organizations Carrying out Educational Activities in the Implementation of Educational Programs;

Order by the Ministry of Education and Science of the Russian Federation # 1061 of September 12, 2013, On Approving the Lists of Specialties and Fields of Study of Higher Education;

Order by the Ministry of Science and Higher Education of the Russian Federation # 208 of February 27, 2023, On Amending the Federal State Educational Standards of Higher Education;

Order by the Ministry of Science and Higher Education of the Russian Federation # 882, Ministry of Enlightenment of the Russian Federation # 391 of August 05, 2020, On the Organization and Implementation of Educational Activities in the Network Form of Educational Program Implementation;

Order by the Ministry of Science and Higher Education of the Russian Federation # 84 of February 08, 2021, On Amending the Federal State Educational Standards of Higher Education – Specialist Degree in Specialties;

Professional Standard 02.009 General Practitioner (Local Pediatrician/Therapist), approved by Order of the Ministry of Labor and Social Protection of the Russian Federation # 293-n of March 21, 2017;

Regulations on Higher Education Educational Programs at the Federal State Autonomous Educational Institution of Higher Education North-Caucasus Federal University, approved by the NCFU Academic Council, Protocol 1 of August 30, 2021;

Regulations on the Educational and Methodological Support of Higher Education Programs – Bachelor’s Programs, Specialist Programs, Master’s Programs at the Federal State Autonomous Educational Institution of Higher Education North-Caucasus Federal University, approved by the NCFU Academic Council, Protocol 12 of February 20, 2023;

Regulations on the Head of a Higher Education Educational Program – Bachelor/s Program, Specialist Program, Master/s Program at the Federal State Autonomous Educational Institution of Higher Education North-Caucasus Federal University, approved by the NCFU Academic Council, Protocol 11 of March 28, 2022;

Regulations on the Organization of the Educational Process under Network Educational Programs at the Federal State Autonomous Educational Institution of Higher Education North-Caucasus Federal University (Revised Version), approved by the NCFU Academic Council, Protocol 5 of November 27, 2025;

Charter of the Federal State Autonomous Educational Institution of Higher Education North-Caucasus Federal University, approved by Order of the Ministry of Science and Higher Education of the Russian Federation # 1365 of December 28, 2018 (as amended on March 05, 2021, Order # 163);

Other regulatory acts of NCFU.

1.2. General Description of the Higher Education Program

1.2.1. Mission of the Higher Education Program

The higher education program in the specialty of 31.05.01 General Medicine, implemented at the Faculty of Medicine and Biology of North-Caucasus Federal University, is aimed at developing intellectual, cultural, and moral potential, transferring knowledge from leading lecturers of a classical university and professionals in the field of biological and medical sciences and healthcare, based on international standards, domestic traditions of higher medical education, and ensuring the graduates’ competitive capacity.

1.2.2. Aim of the Higher Education Program

To shape, through academic training and education, a specialist matching the title of a physician, who possesses the competencies and is trained enough to carry out professional activity in healthcare institutions, ensuring the achievement of the set of final learning objectives with specific types of universal, general professional, and professional competencies regulated by the respective federal higher education standard 31.05.01 General Medicine, and capable of performing subject to the professional standard for General Practitioner (Local Therapist).

1.2.3. Duration of Training

The duration of training for the Specialist Degree program in 31.05.01 General Medicine, following the respective federal standard (full-time mode), including the holidays offered following passing the state final examination, regardless of the educational technologies employed, shall constitute 6 years. When training persons with disabilities subject to an individual curriculum, the duration may be extended based on their application by no more than 1 year.

1.2.4. Workload of the Higher Education Program

The standard workload of the program is 360 credit units (CU) and includes all types of classroom and independent work, internships (field placement), and the time allocated for quality control. The volume of the Specialist program in 31.05.01 General Medicine under a full-time mode of study, implemented per academic year, shall not exceed 70 CU.

Content	Workload in weeks
Theoretical training and scattered internships	200
Examination sessions	35
Internships (Practices), including:	30
Educational internship	4
Clinical/Production internship	26
State Final Examination, including:	
Preparation for and taking the State Exam	2
Holidays	45
Total:	312
Content	Workload in credit units (CU)
Theoretical training	312
Examination sessions	
Internships (Practices), including:	45
Educational internship	6
Clinical/Production internship	39
Preparation for the State Exam	3
Total:	360

1.3. Requirements for the Level of Preparation Required for the Enrollment in the Higher Education Program

The applicant must:

1. Have an officially recognized document of secondary (complete) education or secondary vocational education.
2. Pass successfully the admission examinations.

Enrollment shall be carried out based on competitive selection subject to the NCFU Admission Rules.

1.4. Field of Professional Activity for Graduates / Fields and Spheres of Professional Activity for Graduates, Objects of Professional Activity for Graduates, Types of Professional Activity for Graduates / Types of Professional Tasks for Graduates

Fields and spheres of professional activity of graduates:

02 Healthcare (primary health care to the population in medical organizations: clinics, outpatient clinics, inpatient-outpatient institutions of the municipal healthcare system, and treatment-and-prophylactic institutions providing primary health care to the population);

Graduates may carry out professional activities in other fields of professional activity and/or spheres of professional activity provided that their level of education and acquired competencies meet the qualification requirements for the employee.

Within acquiring the specialist program, graduates can prepare to solve professional tasks of the following types:

- medical;
- research;
- organizational and management.

1.5. Professional Tasks for Graduates

A graduate of specialist programs (31.05.01 General Medicine), given the type(s) of professional activity the specialist program is aimed at, shall be ready to solve the following professional tasks:

Medical Activity:

prevention of diseases among the population through preventive and anti-epidemic measures; preventive medical examinations, clinical examinations, and dispensary observations; collection and medical-statistical analysis of information on health indicators of the population of various age and sex groups characterizing their health status; diagnosing diseases and pathological conditions; diagnosing emergency conditions; diagnosing pregnancy; examination of temporary disability and other types of medical examination;

primary medical health care in outpatient contexts and day-care hospital conditions;

provision of primary medical health care in case of sudden acute health issues, conditions, or exacerbations of chronic diseases not accompanied by a threat to the patient's life and not requiring emergency medical care;

ambulance medical care in conditions requiring urgent medical intervention;

medical care in emergency situations, including medical evacuation;

medical rehabilitation and health resort treatment; developing motivation among the population, patients, and their family members aimed at maintaining and enhancing their health and the health of others;

teaching patients basic hygienic measures of a health-improving nature that contribute to the prevention of diseases and health promotion.

Organizational and Management Activity:

application of the basic principles of organizing the provision of medical care in medical organizations and their structural subdivisions; creation of favorable conditions in medical organizations for patients and medical staff; maintenance of medical documentation in medical organizations;

arranging medical examination; involvement in arranging assessment of the quality of medical care offered to patients; compliance with the basic requirements of information security.

Research Activity:

analysis of research literature and official statistical reviews, involvement in statistical analysis, and public presentation of the results obtained; solving individual research and applied research problems in the field of healthcare regarding diagnosing, treatment, medical rehabilitation, and prevention.

1.6. Graduate Competencies Developed through the Higher Education Program

A graduate completing the program, successfully is to possess the following competencies Universal Competencies (UC) and Indicators

Category of Universal Competencies (UC)	Code and Name of Universal Competency	Code and Name of Competency Achievement Indicator (AI)
Systemic and Critical Thinking	UC-1. Capable of carrying out critical analysis of problem situations based on a systemic approach, and developing an action strategy.	AI-1 UC-1. Identifies a problem situation, performs its analysis and diagnosis based on a systemic approach. AI-2 UC-1. Carries out search, selection, and systematization of information to determine alternative options for strategic decisions in a problem situation. AI-3 UC-1. Determines and assesses risks of possible options for solving a problem situation, and selects the optimal option for its solution.
Project Development and Implementation	UC-2. Capable of managing a project at all stages of its life cycle.	AI-1 UC-2. Formulates the goal of the project, determines a set of interrelated tasks ensuring its achievement, and determines the expected results. AI-2 UC-2. Develops an action plan for solving the project tasks, choosing the optimal method based on current legal norms, available resources, and constraints. AI-3 UC-2. Ensures project execution in accordance with the established goals, deadlines, and costs, based on current legal norms, available resources, and constraints, including the use of digital tools.
Teamwork and Leadership	UC-3. Capable of organizing and leading the work of a team, developing a team strategy to achieve the set goal.	AI-1 UC-3. Participates in interpersonal and group interaction, using an inclusive approach, effective communication, methods of team building, and team interaction when working jointly within the framework of an assigned task. AI-2 UC-3. Ensures team operation to obtain optimal results of joint work, taking into account the individual capabilities of its members, using the success methodology, methods, information technologies, and foresight technologies. AI-3 UC-3. Ensures the completing of assigned tasks based on monitoring teamwork and timely response to significant deviations.
Communication	UC-4. Capable of applying modern communication technologies, including in foreign language(s), for academic and professional interaction.	AI-1 UC-4. Chooses an acceptable style of business communication in the state and foreign languages, verbal and non-verbal means of interaction with partners in oral and written forms. AI-2 UC-4. Uses information and communication technologies to increase the efficiency of professional interaction and search for necessary information in the process of solving standard

		communicative tasks in the state and foreign languages. AI-3 UC-4. Evaluates the effectiveness of communication technologies used in professional interaction in the state and foreign languages, and makes the choice of optimal ones.
Intercultural Interaction	UC-5. Capable of analyzing and taking into account the diversity of cultures in the process of intercultural interaction.	AI-1 UC-5. Chooses methods of constructive interaction with people, taking into account their socio-cultural characteristics in order to successfully perform professional tasks and enhance social integration. AI-2 UC-5. Demonstrates a respectful attitude towards the historical heritage and socio-cultural traditions of various social groups, based on knowledge of the stages of historical development of Russia in the context of world history and a number of cultural traditions of the world. AI-3 UC-5. Analyzes various socio-cultural trends, facts, and phenomena on the basis of a holistic view of the foundations of the universe and prospects for its development. AI-4 UC-5. Demonstrates a tolerant perception of social and cultural differences, and a respectful and careful attitude towards historical heritage and cultural traditions. AI-5 UC-5. Finds and uses information about cultural specifics and traditions important for self-development and interaction with other people. AI-6 UC-5. Manifests in behavior a respectful attitude towards historical heritage and socio-cultural traditions based on knowledge of history. AI-7 UC-5. Aware of the choice when choosing value orientations and civic position; offers his own explanation when discusses and solves problems of worldview, social, and personal nature.
Self-Organization and Self-Development (including Health Preservation)	UC-6. Capable of determining and implementing the priorities of one's own activity and ways to improve it based on self-assessment and lifelong learning.	AI-1 UC-6. Establishes personal and professional goals in accordance with the level of resources and action priorities for successful development in the chosen sphere of professional activity. AI-2 UC-6. Implements and adjusts the strategy of personal and professional development, taking into account conditions, means, personal capabilities, career growth stages, and labor market requirements. AI-3 UC-6. Critically evaluates the efficiency of using time and other resources when solving assigned tasks in the chosen sphere of professional activity.
	UC-7. Capable of maintaining a proper level of physical fitness to ensure full	AI-1 UC-7. Chooses health-preserving technologies to ensure full social and professional activity, taking into account the physiological characteristics of the body and life conditions.

	social and professional activity.	AI-2 UC-7. Plans working and free time for the optimal combination of physical and mental load and ensuring working capacity in professional activity. AI-3 UC-7. Maintains a proper level of physical fitness to ensure full social and professional activity and complies with the norms of a healthy lifestyle.
Life Safety	UC-8. Capable of creating and maintaining safe life conditions in everyday life and professional activities to preserve the natural environment, ensure sustainable development of society, including under threat and occurrence of emergency situations and military conflicts.	AI-1 UC-8. Familiar with the general specific features of ensuring safety and sustainable development in various spheres of life; classification of emergency situations, principles, and methods of arranging the protection of the population protecting them against dangers. AI-2 UC-8. Evaluates the probability of potential danger in everyday life and professional activity and takes respective measures to prevent it. AI-3 UC-8. Uses the basic methods of protection under threat and occurrence of emergency situations and military conflicts in everyday life and professional activity.
Inclusive Competency	UC-9. Capable of employing basic defectological knowledge in social and professional spheres.	AI-1 UC-9. Operates with the concepts of inclusive competency, its components, and structure; understands the specifics of applying basic defectological knowledge. AI-2 UC-9. Applies basic defectological knowledge in the social and professional spheres when interacting with persons with disabilities and disabled persons.
Economic Culture, including Financial Literacy	UC-10. Capable of making informed economic decisions in various areas of life.	AI-1 UC-10. Understands the basic principles of economic functioning and financial literacy in making informed decisions.
Civic Stance	UC-11. Capable of forming an intolerant attitude toward manifestations of extremism, terrorism, and corrupt behavior, and counteracting them in professional activity	AI-1 UC-11: Familiar with current legal norms ensuring the fight against manifestations of extremism and terrorism in various areas of life, with methods for preventing corruption and forming an intolerant attitude towards it. AI-2 UC-11: Prevents possible manifestations of extremism, terrorism, and corruption risks in professional activity; excludes interference in their professional activity in cases of inducement to corruption offenses. AI-3 UC-11: Interacts in society on the basis of an intolerant attitude toward manifestations of extremism, terrorism, and corrupt behavior, and counteracts them in professional activity.

General Professional Competencies (GPC) of Graduates and Achievement Indicators

Category (Group) of General Professional Competencies	Code and Name of General Professional Competency	Code and Name of Achievement Indicator
Ethical and Legal Foundations of Professional Activity	GPC-1. Capable of implementing moral and legal norms, ethical and deontological principles in professional activity.	AI-1 GPC-1. Uses the basic norms of medical law. AI-2 GPC-1. Applies ethical and deontological principles in practice, and uses knowledge of the history of medicine.
Healthy Lifestyle	GPC-2. Capable of conducting and monitoring the effectiveness of measures for prevention, healthy lifestyle development, and sanitary-hygienic education of the population.	AI-1 GPC-2. Uses various techniques and methods to disseminate knowledge about a healthy lifestyle and sanitary-hygienic education of the population. AI-2 GPC-2. Demonstrates the ability to determine priority problems and health risks of the patient (population). AI-3 GPC-2. Develops and participates in preventive measures to increase the health level and prevent diseases.
	GPC-3. Capable of countering the use of doping in sports and fighting against it.	AI-1 GPC-3. Demonstrates the ability to counter the use of doping and fight against it. AI-2 GPC-3. Uses the basic legal acts on countering the use of doping in sports.
Diagnostic Instrumental Methods of Examination	GPC-4. Capable of applying medical devices provided for by the procedure for rendering medical care, as well as conducting examinations of the patient in order to establish a diagnosis.	AI-1 GPC-4. Applies medical technologies, medical devices, medicinal drugs, disinfectants, and their combinations in solving professional tasks. AI-2 GPC-4. Applies diagnostic instrumental methods of examination to establish a diagnosis.
Etiology and Pathogenesis	GPC-5. Capable of assessing morphofunctional, physiological states, and pathological processes in the human body to solve professional tasks.	AI-1 GPC-5. Assesses morphofunctional and physiological states and processes in the human body at the individual, group, and population levels to solve professional tasks.

		AI-2 GPC-5. Identifies pathological states and processes in the human body to solve professional tasks.
Primary Health Care	GPC-6. Capable of organizing care for patients, providing primary health care, ensuring the organization of work, and making professional decisions in emergency conditions at the pre-hospital stage, in conditions of emergencies, epidemics, and in centers of mass destruction.	AI-1 GPC-6. Capable of organizing care for patients. AI-2 GPC-6. Provides primary health care. AI-3 GPC-6. Capable of making professional decisions in emergency conditions at the pre-hospital stage, in conditions of emergencies, epidemics, and in centers of mass destruction.
Treatment of Diseases and Conditions	GPC-7. Capable of prescribing treatment and monitoring its effectiveness and safety.	AI-1 GPC-7. Applies knowledge of medicinal drugs to prescribe treatment. AI-2 GPC-7. Capable of monitoring the effectiveness and safety of the prescribed treatment.
Medical Rehabilitation	GPC-8. Capable of implementing and monitoring the effectiveness of medical rehabilitation of the patient, including the implementation of individual programs of rehabilitation and habilitation of disabled persons, and assessing the patient's ability to carry out labor activity.	AI-1 GPC-8. Compiles an individual plan of rehabilitative care together with the patient/family. AI-2 GPC-8. Monitors the effectiveness of medical rehabilitation of the patient, including during the implementation of individual rehabilitation programs. AI-3 GPC-8. Organizes the workspace and a safe hospital environment, teaches the family to adapt living quarters to the needs of the patient and disabled person.
Quality Management	GPC-9. Capable of implementing the principles of quality management in professional activity.	AI-1 GPC-9. Applies organizational, managerial, and regulatory documentation in one's activity. AI-2 GPC-9. Solves professional tasks using the principles of the quality management system.
Information Literacy	GPC-10. Capable of understanding the principles of operation of modern information technologies and using them to solve tasks of professional activity.	AI-1 GPC-10. Maintains documentation support of professional activity taking into account modern information technologies.

		AI-2 GPC-10. Uses algorithms for solving standard organizational tasks using information technologies in professional activity. AI-3 GPC-10. Carries out effective search for information necessary to solve tasks of professional activity, using legal reference systems and professional databases.
Research and Organizational Activity	GPC-11. Capable of preparing and applying scientific, research-production, project, organizational, managerial, and regulatory documentation in the healthcare system.	AI-1 GPC-11. Demonstrates the ability to prepare and apply scientific, research-production, project, organizational, managerial, and regulatory documentation in professional activity. AI-2 GPC-11. Demonstrates the ability to apply modern methods of collecting and processing information necessary for conducting scientific research.

Selection of Professional Standards Matching the Professional Activity of Graduates

Area of Professional Activity	Professional Standard	Generalized Labor Functions	Labor Functions		Level (Sublevel) of Qualification
			Name	Code	
02 Healthcare (in the sphere of offering primary health care to the population in medical organizations: polyclinics, outpatient clinics, inpatient-polyclinic institutions of the municipal healthcare system, and treatment-and-prevention institutions offering	02.009 General Practitioner (local physician), approved by Order of the Ministry of Labor and Social Welfare of the Russian Federation # 293-n of March 21, 2017	Provision of primary health care to the adult population in outpatient conditions not providing for round-the-clock medical observation and treatment, including at home upon calling a medical specialist	Conducting an examination of a patient to establish a diagnosis	A/02.7	7
			Prescribing treatment and monitoring its efficacy and safety	A/03.7	7
			Implementation and monitoring of effectiveness of patient medical rehabilitation, including during implementation of individual rehabilitation or habilitation	A/04.7	7

primary health care to the population)			programs for disabled individuals, assessment of patient capacity to perform labor activity		
			Conducting and monitoring effectiveness of measures for prevention and healthy lifestyle formation and sanitary-hygienic education of the population	A/05.7	7
			Provision of medical assistance to a patient in an urgent or emergency form	A/01.7	7
			Conducting an examination of a patient to establish a diagnosis	A/02.7	7
			Prescribing treatment and monitoring its efficacy and safety	A/03.7	7
			Implementation and monitoring of effectiveness of patient medical rehabilitation, including during implementation of individual rehabilitation or habilitation programs for disabled individuals, assessment of patient capacity to perform labor activity	A/04.7	7

			Conducting and monitoring effectiveness of measures for prevention and healthy lifestyle formation and sanitary-hygienic education of the population	A/05.7	7
			Maintaining medical documentation and organizing the activity of subordinate nursing personnel	A/06.7	7

Professional Competencies (PC) and Achievement Indicators

Professional Tasks	Code and Name of Professional Competency	Code and Name of Competency Achievement Indicator	Basis (Professional Standard / PS, experience analysis)
Type of Professional Tasks: Medical			
Provision of medical assistance to a patient in an urgent or emergency form	PC-1. Ready to participate in the provision of urgent medical care in states requiring urgent medical intervention.	AI-1 PC-1: Capable of conducting therapeutic measures when providing urgent medical care in states requiring urgent medical intervention. AI-2 PC-1: Knows how to identify states requiring medical assistance in an emergency form, including clinical signs of sudden cessation of blood circulation and respiration. AI-3 PC-1: Possesses skills in assessing the state of a patient requiring medical assistance in an emergency form, skills in recognizing states representing a	Professional Standard 02.009 General Practitioner (local physician), approved by Order of the Ministry of Labor and Social Protection of the Russian Federation # 293-n of March 21, 2017, experience analysis

		threat to the patient's life, including states of clinical death (cessation of vital body functions (blood circulation and/or respiration), requiring medical assistance in an emergency form.	
Examination of a patient aiming to offer a diagnosis	PC-2. Ready to collect and analyze patient complaints, data of their medical history, examination results, laboratory, instrumental, pathological-anatomical, and other investigations to recognize a condition or establish the fact of presence or absence of a disease.	AI-1 PC-2: Knows how to collect complaints, medical history of life and disease of the patient, and analyze the information obtained. AI-2 PC-2: Conducts a complete physical examination of the patient (inspection, palpation, percussion, auscultation) and interprets its results. AI-3 PC-2: Defines a preliminary diagnosis and compiles a plan for laboratory and instrumental examinations of the patient.	Professional Standard 02.009 General Practitioner (local physician), approved by Order of the Ministry of Labor and Social Protection of the Russian Federation # 293-n of March 21, 2017, experience analysis
	PC-3. Capable of determining the patient's main pathological conditions, symptoms, disease syndromes, and nosological forms in accordance with the International Statistical Classification of Diseases and Related Health Problems, 10th Revision.	AI-1 PC-3: Capable of constructing an algorithm and choosing criteria for determining the main pathological states, syndromes, and diseases in patients of various profiles in accordance with the International Statistical Classification of Diseases and Related Health Problems, 10th Revision (ICD-10). AI-2 PC-3: Identifies the main pathological symptoms and syndromes, and formulates a clinical	Professional Standard 02.009 General Practitioner (local physician), approved by Order of the Ministry of Labor and Social Protection of the Russian Federation # 293-n of March 21, 2017, experience analysis

		diagnosis in accordance with ICD-10.	
Prescribing treatment and monitoring its efficacy and safety	PC-4. Capable of determining the management tactics for patients with various nosological forms.	AI-1 PC-4: Determines management tactics for patients with various nosological forms. AI-2 PC-4: Compiles a treatment plan for the patient's disease and condition, taking into account the diagnosis, age of the patient, and clinical picture of the disease in accordance with current procedures for rendering medical care, clinical recommendations (treatment protocols) on issues of medical care provision, taking into account healthcare standards.	Professional Standard 02.009 General Practitioner (local physician), approved by Order of the Ministry of Labor and Social Protection of the Russian Federation # 293-n of March 21, 2017, experience analysis
	PC-5. Ready for the management and treatment of patients with various nosological forms in outpatient conditions and day-care hospital conditions.	AI-1 PC-5: Prescribes medicinal drugs, medical devices, and medical nutrition, taking into account the diagnosis, age, and clinical picture of the disease in accordance with current procedures for rendering medical care, clinical recommendations (treatment protocols) on issues of medical care provision, taking into account healthcare standards. AI-2 PC-5: Evaluates the efficacy and safety of the use of medicinal drugs, medical devices, medical nutrition, and	Professional Standard 02.009 General Practitioner (local physician), approved by Order of the Ministry of Labor and Social Protection of the Russian Federation # 293-n of March 21, 2017, experience analysis

		non-medicinal treatment. AI-3 PC-5: Plans and monitors the management of patients with various nosological forms in outpatient conditions and day-care hospital conditions.	
Implementation and monitoring of effectiveness of patient medical rehabilitation, including during individual rehabilitation or habilitation programs for disabled individuals, assessment of patient capacity to perform professional activity	PC-6. Ready to detect the need for applying natural healing factors, medicinal, non-medicinal therapy, and other methods in patients requiring medical rehabilitation and health resort treatment.	AI-1 PC-6: Capable of planning measures for patient medical rehabilitation, determining medical indications and contraindications for their conduct, taking into account the diagnosis in accordance with current procedures for rendering medical care, clinical recommendations (treatment protocols) on issues of medical care provision, taking into account healthcare standards. AI-2 PC-6: Determines medical indications for conducting medical rehabilitation measures, including during the implementation of an individual rehabilitation or habilitation program for disabled individuals, in accordance with current procedures for rendering medical care, clinical recommendations (treatment protocols) on issues of medical care provision, taking	Professional Standard 02.009 General Practitioner (local physician), approved by Order of the Ministry of Labor and Social Protection of the Russian Federation # 293-n of March 21, 2017, experience analysis

		into account healthcare standards.	
Conducting and effectiveness monitoring regarding measures for prevention and healthy lifestyle development and sanitary-hygienic education of people	PC-7. Capable and ready to carry out a set of measures aimed at preserving and strengthening health, including the formation of a healthy lifestyle, prevention of occurrence and (or) spread of diseases, their early diagnostics, identification of causes and conditions of their occurrence and development, as well as aimed at eliminating the harmful influence of environmental factors on human health.	AI-1 PC-7: Capable of assessing medical indications and medical contraindications for the use of disease and (or) condition prevention methods, and preventive measures, taking into account the diagnosis in accordance with current procedures for rendering medical care, clinical recommendations (treatment protocols) on issues of medical care provision, taking into account healthcare standards. AI-2 PC-7: Applies principles of specific and non-specific prevention of infectious diseases, and the national calendar of preventive vaccinations, including according to epidemic indications.	Professional Standard 02.009 General Practitioner (local physician), approved by Order of the Ministry of Labor and Social Protection of the Russian Federation # 293-n of March 21, 2017, experience analysis
	PC-8. Ready for educational activity to eliminate risk factors and form healthy lifestyle skills.	AI-1 PC-8: Capable of explaining in a popular manner the meaning of risk factors in internal organ diseases and measures for prevention of exacerbations. AI-2 PC-8: Identifies characteristics, and determines forms and methods of educational activity of medical workers among patients and the population to eliminate risk factors	Professional Standard 02.009 General Practitioner (local physician), approved by Order of the Ministry of Labor and Social Protection of the Russian Federation # 293-n of March 21, 2017, experience analysis

		and form healthy lifestyle skills.	
Type of Professional Activity Tasks: Organizational and Management			
Maintaining medical documentation and organizing the activity of subordinate nursing personnel	PC-9. Capable of applying basic principles of organization and management in the sphere of citizens' health protection, in medical organizations, and their structural subdivisions.	AI-1 PC-9: Capable of applying principles of monitoring the performance of official duties by a local nurse and other subordinate medical workers. AI-2 PC-9: Conducts an assessment of the effectiveness of modern medical-organizational and socio-economic technologies in the provision of medical care, and uses principles of organization and management in the sphere of citizens' health protection in medical organizations and their structural subdivisions.	Professional Standard 02.009 General Practitioner (local physician), approved by Order of the Ministry of Labor and Social Protection of the Russian Federation # 293-n of March 21, 2017, experience analysis
	PC-10. Ready to get involved in the assessment of the quality of medical care provision using basic medical-statistical indicators.	AI-1 PC-10: Conducts calculation and analyzes quality indicators of medical care. AI-2 PC-10: Develops measures aimed at increasing the quality of medical care.	Professional Standard 02.009 General Practitioner (local physician), approved by Order of the Ministry of Labor and Social Protection of the Russian Federation # 293-n of March 21, 2017, experience analysis
Type of Professional Activity Tasks: Research			
Performing research and applied scientific activities in healthcare on diagnostics, treatment, medical rehabilitation, and disease prevention	PC-11. Ready for the analysis and public presentation of medical information based on evidence-based medicine.	AI-1 PC-11: Works independently with sources of scientific-medical information. AI-2 PC-11: Compiles reports (sections of a report), literature reviews, and presentations on a topic or its section (stage of an assignment).	Professional Standard 02.009 General Practitioner (local physician), approved by Order of the Ministry of Labor and Social Protection of the Russian Federation # 293-n of March 21, 2017, experience analysis

		AI-3 PC-11: Publicly presents scientific information based on evidence-based medicine.	
	PC-12. Capable of participating in conducting scientific research and introducing results into practical healthcare.	AI-1 PC-12: Formulates a scientific hypothesis, determines goals and tasks of scientific activity, applies modern theoretical and empirical research methods, performs calculations based on results of their application, and conducts statistical processing of data obtained. AI-2 PC-12: Works on laboratory equipment, applies methods of evidence-based medicine when conducting scientific research. AI-3 PC-12: Participates in the introduction of new methods and techniques aimed at people's health protection.	Professional Standard 02.009 General Practitioner (local physician), approved by Order of the Ministry of Labor and Social Protection of the Russian Federation # 293-n of March 21, 2017, experience analysis
	PC-13. Capable of carrying out laboratory and instrumental research methods to study properties of substances and processes involving them, processing and interpreting results obtained using theoretical knowledge and practical skills in solving natural science tasks.	AI-1 PC-13: Systematizes and analyzes results of chemical, biological, physical, and medical experiments, observations, measurements, as well as results of calculations of substance and material properties. AI-2 PC-13: Applies theoretical and semi-empirical models when solving natural science tasks.	Professional Standard 02.009 General Practitioner (local physician), approved by Order of the Ministry of Labor and Social Protection of the Russian Federation # 293-n of March 21, 2017, experience analysis

		AI-3 PC-13: Proposes an interpretation of results of own experiments and calculation-theoretical works using theoretical foundations of natural science.	

List of Planned Learning Outcomes and Their Component Competencies

Learning Outcome Code	Learning Outcome	Competencies Developed within the Achievement of Learning Outcomes
P1	Raising of a comprehensively developed personality	UC-1, UC-5, UC-6, UC-7, UC-10, UC-11
P2	Readiness for communication in oral and written forms	UC-3, UC-4, UC-5, UC-9, GPC-9, GPC-10, PC-8, PC-10, PC-11, PC-12
P3	Readiness to act in non-standard situations, choose methods of protection in emergency situations	UC-3, UC-7, UC-8, GPC-3, GPC-6, PC-1
P4	Formation of clinical thinking	GPC-4, GPC-5, GPC-11, PC-2, PC-3, PC-4, PC-12
P5	Acquisition of special medical skills and their application in practical healthcare	UC-2, UC-9, UC-10, GPC-1, GPC-2, GPC-4, GPC-6, GPC-7, GPC-8, GPC-9, GPC-10, GPC-11, PC-1, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, PC-10, PC-11, PC-12, PC-13

1.7 Documents regulating the content and organization of the educational process upon implementation of the educational program of higher education (EP HE)

Following the federal higher education standard, the content and the arrangement of the educational process during the implementation of the educational program of higher education shall be regulated by: the curriculum; syllabi of disciplines (working programs of disciplines); materials ensuring the quality of academic training and general education; programs of field placement; the annual academic calendar, as well as methodological materials ensuring the implementation of the respective educational technologies.

1.7.1. Academic calendar

The academic calendar shall set the sequence and duration of theoretical training, examination sessions, internships, final (state final) examination, and vacations. The calendar is developed in accordance with the requirements of the educational standard.

1.7.2. Curriculum

The curriculum specifies the list of disciplines, internships, types of intermediate examination, state final examination, and other types of educational activity indicating their volume in astronomical hours and credit units, sequence, and distribution by periods of study. The curriculum highlights the volume of students' work in interaction with the lecturer (contact work of students with the lecturer) (by types of training sessions) and students' independent work in astronomical hours and credit units. For each discipline (module) and internship, the form of

intermediate examination of students is indicated. Optional disciplines (modules) are reflected in the curriculum yet are not included in educational program.

1.7.3. Syllabi of disciplines (working programs of disciplines), including assessment tool funds

The EP HE includes the working programs of all educational disciplines of both the mandatory part and the part developed by the parties involved into academic relations within the curriculum, including elective disciplines chosen by the student. Working programs for optional (facultative) disciplines are developed but are not included in the structure of the educational program. In the working program of each discipline (module), the final learning outcomes under the competency approach must be clearly formulated in strict accordance with the acquired knowledge, abilities, and skills as a whole for the EP HE, taking into account specialization. For the examination of students regarding compliance of their personal achievements with the step-by-step requirements of the respective EP HE, departments create funds of assessment tools for conducting continuous control of academic performance and intermediate examinations. These funds may include: control questions and typical tasks for practical classes, laboratory and control works, colloquiums, exams; tests and computer testing programs; approximate topics of term papers (projects), essays, etc., as well as other forms of control allowing the assessment of the degree of students' competencies development.

1.7.4 Programs of internships, including assessment tool funds

Subject to the federal higher education standard for the specialty 31.05.01 General Medicine, the Internships section of the specialist educational program shall be mandatory and shall represent a type of training session oriented directly toward the professional training of students. Internships consolidate knowledge and skills acquired by students as a result of mastering theoretical courses, develop practical skills, and contribute to the complex formation of universal, general professional, and professional competencies in students.

When implementing the EP in the specialty of 31.05.01 General Medicine, educational and production internships are offered.

Types of academic internship:

Introductory internship (Semester 2 – 2 weeks, 3 CU);

Research work (obtaining primary skills of research work) (Semester 2 – 2 weeks, 3 CU);

Types of production internship (field placement):

Internship in emergency medical skills (Semester 4 – 4 weeks, 6 CU);

Internship for obtaining professional skills and experience of professional activity in positions of middle medical personnel (nursing personnel) (Semester 6 – 4 weeks, 6 CU);

Internship of diagnostic profile (Semester 8 – 4 weeks, 6 CU);

Internship of therapeutic profile (Semester A – 4 weeks, 6 CU);

Internship of surgical profile (Semester A – 4 weeks, 6 CU);

Research work (Semester B – 3 CU, distributed);

Internship of general practice profile (Semester C – 6 weeks, 9 CU).

The choice of internship location for persons with health limitations shall be made in view of the students' health status and accessibility requirements.

Certification based on internship outcomes: submission of a written report, reference from the supervisor regarding the performance, discussion of the progress and results at the department, subdivision, or final conference. Based on the discussion of the outcomes, a pass with a grade (graded test) shall be issued.

Programs have been developed for each internship, which include:

Indication of the type of internship, method, and mode(s);

List of planned learning outcomes during the internship, correlated with the planned results of mastering the educational program;

Indication of the place of internship in the structure of the educational program;
Indication of the internship volume in credit units and its duration in weeks or in academic or astronomical hours;
Content of the internship;
Indication of types of reporting on the internship;
Fund of assessment tools for conducting intermediate examination of students on the internship;
List of educational literature and Internet resources necessary for conducting the internship;
List of information technologies employed through the internship, including a list of software and information reference systems (if necessary);
Description of the material and technical base necessary for conducting the internship.
The fund of assessment tools for the internship provided by the educational program reflects questions and tasks allowing an assessment of the degree of competency formation and achievements of students in the process of passing the internship.

II. Other components developed by decision of the major department

III. Education¹ Program and calendar plan

3.1. Purpose and tasks of the education program during the mastering of the academic education program

The education program at the Federal State Autonomous Educational Institution of Higher Education North-Caucasus Federal University (hereinafter referred to as the Education Program at NCFU) represents the value-normative, methodological, methodic, and technological foundations of organizing general education activity at the university.

The general education program for the educational program and the calendar plan of general education work are developed taking into account modern trends and new requirements for the state youth policy; their implementation is oriented toward building an academic-general education trajectory taking into account a modular approach to the process of organizing general education activity.

The general education program for the educational program is developed based on the current regulatory and legal framework and taking into account the requirements of the Federal State Educational Standard for the specialty General Medicine.

Purpose of the program: based on basic social values, to ensure the personal development of students, which shall manifest itself in:

Development of a positive attitude toward social values, i.e., development of their socially significant relations;

Acquisition of behavior experience corresponding to these values, experience in applying formed knowledge and relations in practice, and acquisition of experience in carrying out socially significant actions.

Tasks of the program: Development of a worldview and actualization of the system of basic personal values;

Involving students in universal moral norms, national foundations, and academic traditions;

Development of respect for the law, norms of collective life, and development of civic and social responsibility;

Development of a culture of interethnic communication among youth;

¹ By education (also referred to as general education) the Russian Academic Community implies education in terms of raising a personality possessing the whole range of features required not from the academic stance yet from the civil stance – somebody who is a good citizen first and not only a scholar. For this purpose, this text contains both terms – **GENERAL EDUCATION** and **ACADEMIC EDUCATION**, which are not to be mixed even though closely connected.

Prevention of manifestations of national and religious extremism and national intolerance in the student environment;

Increasing the level of a culture of safe behavior;

Development of a culture of interaction between Cossack communities and associations of the region and student associations of NCFU and involving the Cossacks to participate in constructive activities aimed at strengthening unity, harmonizing interethnic (inter-ethnic) relations, preventing extremism, and preventing conflicts on national and religious grounds in the youth environment of NCFU;

Development of a social support system for student youth;

Development of a culture of financial literacy, development of the system of protection of social rights, and ensuring social guarantees for students belonging to preferential categories;

Development of a positive attitude toward labor, raising socially significant purposefulness and responsibility in business relations;

Encouraging personal development and its socio-psychological support, forming personal qualities necessary for effective professional activity;

Identifying and supporting talented youth, forming organizational skills, creative potential, and involving students in processes of self-development and self-realization;

Shaping a culture and ethics of professional communication;

Development of an internal need of the person for a healthy lifestyle, and a responsible attitude toward the natural and socio-cultural environment;

Development of personal qualities and attitudes (responsibility, discipline, self-management), social skills (emotional intelligence, orientation in the information space, speed of adaptation, communication; ability to work in a team), and managerial capabilities (skills to make decisions in conditions of uncertainty and change, time management, leadership, critical thinking).

The general education program is developed subject to:

The Constitution of the Russian Federation;

Federal Law # 273-FZ of December 29, 2012, On Education in the Russian Federation;

The Charter of NCFU;

The General education program at the Federal State Autonomous Educational Institution of Higher Education North-Caucasus Federal University (approved by decision of the NCFU Academic Council, Protocol # 14 of May 27, 2021);

The Development Program of the Federal State Autonomous Educational Institution of Higher Education North-Caucasus Federal University for 2012–2021, approved by Decree of the Government of the Russian Federation # 1403-r of July 18, 2015 On Amending the Development Program of the Federal State Autonomous Educational Institution of Higher Professional Education 'North-Caucasus Federal University' for 2012–2021, approved by Decree of the Government of the Russian Federation # 854-r of May 28, 2012 in part of fulfilling the task of forming a high-quality contingent of students and the priority project of NCFU Formation of a Competitive Personality;

Other regulatory and legal acts of the university in the field of academic and general education policy.

3.2. The general education program in the structure of the academic education program

The general education working program and the Calendar plan of education work are part of the main professional educational program (MPEP), which is developed and implemented following the current federal state educational standard (FSSES).

General education working programs as part of the main educational programs (MPEP) implemented by the higher education institution (developed for the period of implementation of the educational program and determining a complex of key features of the general education work

system (principles, methodological approaches, aims, tasks, directions, forms, means and methods of general education, planned results, etc.)).

3.3. Content of the general education program

List of planned results of mastering the general education program, correlated with the planned results of mastering the educational program:

Following the main aims, tasks, and principles of general education, the directions of general education activity implemented at the university are combined and divided into five Modules (or Blocks), which are included at all levels of academic and extracurricular work: at lectures, seminars, production internship, in the work of curators with students, in the activity of student public organizations, etc.

The constituent components of the five Modules (or Blocks), the implementation of which ensures the formation and development of professional and supra-professional competencies envisaged in the FSES HE (NCFU), are offered in the table.

Components of the Modules

Module 1	Module 2	Module 3	Module 4	Module 5
Citizenship, Morality, Patriotism	Civic-Legal Culture	Personal Growth	Professional-Labor Culture	Professionalism
Formation of citizenship and sense of patriotism;	Formation of a worldview and system of fundamental values: universal, civic, professional, determining the attitude of young people to a rapidly changing world;	Formation of the career trajectory of students and building a trajectory of personal development;	Meta-skills;	
Moral-ethical education and personal development;		Formation of a need and creation of conditions for personal and professional success of students (self-management);	Labor education, professional development and education of the future specialist;	Professional adaptation to employment, increasing vocational guidance and professional motivation;
Spiritual-moral values;	Civic-patriotic education and legal education;		Formation of constructive thinking skills;	
Cultural-aesthetic education;	Formation of information culture and information security;	Formation of tactical and strategic thinking (for student assets);	Formation of a need for concentration of spiritual, emotional, physical, mental strength and energy, internal balance and self-confidence to solve set tasks (resource condition);	Ecological, critical, and reflexive thinking;
Family-household education;	Ecological education and formation of ecological thinking;			Maintaining a resource condition.
Physical and sports education and personal development;	Intercultural interaction.	Preparation of students and acquaintance with the forecast of labor market development	Formation of teamwork skills, team building;	

Module 1	Module 2	Module 3	Module 4	Module 5
Formation of a need for a healthy lifestyle; Volunteering and voluntary service; Development of student self-government.		(professions of the future); Acquaintance with professions of the future and STI markets.	Project activity of students and project management; Development of socio-personal competencies (teamwork, leadership, emotional intelligence, etc.); Ecological thinking.	

Through mastering the working general education program in the specialty 31.05.01 General Medicine, the following competencies are formed in students:

Module	Competencies Shaped
1. Citizenship, Morality, Patriotism	UC-5. Capable of analyzing and taking into account cultural diversity in the process of intercultural interaction. UC-8. Capable of creating and maintaining safe living conditions in everyday life and professional activity to preserve the natural environment, ensure sustainable society development, including under threats and occurrences of emergency situations and military conflicts. UC-11. Capable of forming an intolerant attitude toward manifestations of extremism, terrorism, and corrupt behavior, and counteracting them in professional activity. GPC-1. Capable of implementing moral and legal norms, ethical, and deontological principles in professional activity.
2. Civic-Legal Culture	UC-5. Capable of analyzing and taking into account cultural diversity in the process of intercultural interaction. UC-10. Capable of making informed economic decisions in various areas of life. UC-11. Capable of forming an intolerant attitude toward manifestations of extremism, terrorism, and corrupt behavior, and counteracting them in professional activity. GPC-1. Capable of implementing moral and legal norms, ethical, and deontological principles in professional activity.
3. Personal Growth	UC-2. Capable of managing a project at all stages of its life cycle. UC-3. Capable of organizing and leading team work, developing a team strategy to achieve the set goal.

Module	Competencies Shaped
	UC-6. Capable of determining and implementing priorities of their own activity and ways to improve it based on self-assessment and lifelong education.
4. Professional-Labor Culture	UC-4. Capable of applying modern communication technologies, including in foreign language(s), for academic and professional interaction. GPC-4. Capable of applying medical devices provided for by the procedure for rendering medical care, as well as conducting examinations of the patient to establish a diagnosis. PC-5. Capable and ready to apply socio-hygienic methods of collection and medical-statistical analysis of information on population health indicators. <i>(Note: aligned with text indicator description)</i>
5. Professionalism	UC-3. Capable of organizing and leading team work, developing a team strategy to achieve the set goal. GPC-7. Capable of prescribing treatment and monitoring its efficacy and safety. PC-4. Capable of determining management tactics for patients with various nosological forms.

Detailed Matrix of Education Program Implementation

#	Module	Year, Semester	Academic Discipline	Competency Shaped	Planned Learning Outcomes within the General Education Program
1	Citizenship, Morality, Patriotism	1 (1, 2) 2 (3) 1 (2) 1 (1)	History of Russia Medical Ethics Foundations of Prevention of Extremism and Terrorism Ideology Life Safety	UC-5, UC-8, UC-11, GPC-1	The student is capable of perceiving scientific knowledge in the field of fundamental training. Possesses a culture of thinking, speech, and communication. Capable of perceiving modern knowledge about information processes in nature and society, and computer technologies. The student is capable of perceiving the intercultural diversity of society in socio-historical, ethical, and philosophical contexts; capable of developing and implementing spiritual-moral education based on basic national values. The student has concepts of the historical diversity of cultures and civilizations, types and forms of cultural and social life, and the place of domestic civilization in the world historical-cultural process. Capable of perceiving and having concepts of political relations and processes, understands the role and meaning of political systems in society life, knows how to analyze the modern political situation. Has value concepts of physical culture, possesses a system of skills and abilities ensuring preservation and strengthening of health, and development and improvement of psycho-physical capabilities. Capable of a responsible attitude not only toward own health, but also the health of others.
2	Civic-Legal Culture	1 (1, 2) 2 (3) 2 (3)	Legal and Financial Literacy History of Medicine Medical Ethics	UC-5, UC-10, UC-11, GPC-1	The student, based on legal norms, available resources, and limitations, is capable of determining a range of tasks within the set goal and choosing optimal methods for their solution. Capable of carrying out social interaction and implementing their role in a team. Capable of forming safe life activity and developing a safe personality. Possesses a developed legal consciousness, knows personal and civil rights and freedoms, foundations of the Russian legal system and legislation. Possesses a natural-science and humanistic worldview, has concepts of scientific, philosophical, and artistic pictures of the universe and the place of man in it. Capable of cooperating, taking part in team work, supporting team decisions, strengthening and enhancing team spirit, planning and coordinating their actions and those of the team to achieve the set goal.
3	Personal Growth	1 (1, 2) 1 (2)	Project Activity Elective Disciplines	UC-2, UC-3, UC-6	Capable of managing their time, building and implementing a trajectory of self-development in professional and public life. Ready to fully manage own resources in social and professional activity. Capable of interacting with participants of professional relations within the framework of professional activity implementation. Capable of carrying out professional activity based on special scientific knowledge. Possesses a high level of self-organization, exhibits interest and activity, constantly strives for self-assertion and self-realization. Capable of revising own positions in conditions of

#	Module	Year, Semester	Academic Discipline	Competency Shaped	Planned Learning Outcomes within the General Education Program
					science development and changing social practice. Capable of professional development and improvement, and lifelong self-education.
4	Professional-Labor Culture	1 (1)	Life Safety Foreign Language	UC-4, GPC-4, PC-5	Capable of searching, critically analyzing, and synthesizing information, applying a systems approach to solve set tasks. Capable of monitoring and evaluating the formation of results of their professional activity, identifying and correcting difficulties in work. Capable of using psychological-pedagogical technologies in professional activity necessary for individualization of activity. Possesses knowledge of the regularities of the economic life of modern society, problems of functioning of economic systems, value foundations of economic and labor activity, and knows how to analyze major economic events. Capable of project activity based on a systems approach. Capable of realizing social responsibility for the impact and result of their work on nature and society, and ecological safety of the environment.
5	Professionalism	1 (2) 3 (6) 4 (7) 5 (9)	Digital Literacy and Data Processing Neurology, Medical Genetics, Neurosurgery Microbiology, Virology, Epidemiology Propedeutics of Internal Diseases	UC-3, GPC-7, PC-4	Realizes the personal and social significance of the acquired profession. Capable of analyzing and critically perceiving information, using the information obtained for forecasting. Possesses skills of non-judgmental judgment, tolerance for differences and uncertainty, flexibility, and adaptability of behavior. Exhibits empathy for others, capable of reflecting on own emotions and past experience. Possesses actual knowledge about project activity, construction and functioning of communities, new economic markets, and the employment process, as well as the ability to apply this information in a practical area. Exhibits an understanding of labor market development processes, readiness to pass various stages of employment, as well as skills of adaptation to work in a team with a new labor collective. Capable of independently forming an individual trajectory of professional and personal development, career building, and obtaining additional knowledge and competencies depending on the emergence of a personal educational request.

Assessment of Students' Mastery of the General Education Program under the Main Educational Program

- **Entry Control:** diagnosis of abilities and interests of students (testing, questioning, sociometry, survey).

- **Current Control:** pedagogical observation in the process of conducting events, pedagogical analysis of creative works, student events organized in the chosen format, formation and analysis of the student's portfolio; placement of the portfolio in the electronic-educational environment of the university.

#	Module	Competencies	Planned Events
1	Citizenship, Morality, Patriotism	UC-8, GPC-6, PC-5	1. Initiation into Students 2. Participation in the Action Soldier's Envelope 3. Event Doctors of the Third Reich 4. Participation in charitable actions 5. Participation in the action We Remember 6. Thematic curatorial hours 7. Meeting of first-year FMB (Faculty of Medicine and Biology) students with law enforcement agencies of Stavropol
2	Civic-Legal Culture	UC-11, GPC-1	1. My Rights – My Wealth 2. My Homeland 3. Caucasus – Our Common Home 4. Thematic curatorial hours
3	Personal Growth	UC-10, GPC-5	1. FMB Activist School 2. Best Medical Student 3. Participation in events Promotion, Generation, K-Labs 4. Student Spring of FMB 5. Thematic curatorial hours
4	Professional-Labor Culture	UC-4, GPC-4, PC-5	1. FMB Activist School 2. Best Medical Student 3. Intellectual and cognitive games 4. Participation in Subbotniks (community clean-ups) 5. Participation in the event Clean Memory
5	Professionalism	UC-3, GPC-7, PC-4	1. Time of the First 2. Best Medical Student 3. Intellectual and cognitive games 4. Participation in round tables

3.4. Calendar plan of general education work during the mastering of the academic education program

The calendar plan is offered in Appendix 2.

List of resources required to implement the general education process

Resource Support

Resource support allowing full implementation of the General Education Program at NCFU and the substantial part of upbringing activity includes the following types: regulatory-legal support; staff support; financial support; information support; research & methodological and educational-methodological support; material-technical support.

Regulatory-Legal Support

The regulatory and legal support of the general education working program within the respective area is the General Education Program of the Federal State Autonomous Educational Institution of Higher Education North-Caucasus Federal University (approved by decision of the NCFU Academic Council, Protocol # 14 of May 27, 2021).

Staff Support

The key component of the general education system structure is the general education staff potential at the university, which includes lecturers, culture and art workers, sports community workers, professional psychologists and pedagogues, leaders and managers, as well as organizers.

Coordination, organization, and implementation of the general education program within the academic education program:

- **Institute (faculty) level:** Deputy Director of the Institute / Deputy Dean of the Faculty for General Education / Education & Upbringing Activities;
- **Department level:** Heads of departments, deputy heads of departments for general education / persons responsible for respective work at the department;
- **Academic group level:** academic group supervisors (Years 1-2), deputy heads of departments for general education / persons responsible for general education at the department (in academic groups senior to Year 2).
- Student self-government bodies (NCFU Student Council, Trade Union Committee of Students and Postgraduate Students of NCFU) at all levels participate in the implementation of the General Education Program of NCFU.

Financial Support

The general education program is implemented through culture-mass, physical culture and sports, and health work with students and applies equally to all students, regardless of the sources of funding for educational programs.

Financial support for the program in the General Medicine area in terms of cost financing is developed in view of the requirements regarding regulatory acts of the federal level as well as local acts of the university.

Information Support

The content of information support as a type of resource support for the general education program:

- Informing students, lecturers, and employees of the major department about planned and past events and occurrences of upbringing orientation on the official website of the university – in the sections News of Student Life, Student Events of the Major Department, etc., as well as on pages in social networks;
- Other information – NCFU announcements, NCFU advertisements.

Research-Methodological and Education-Methodological Support

The content of scientific-methodological and educational-methodological support of the upbringing program for the General Medicine educational program includes educational-methodological and methodological manuals and recommendations on arranging general education work with students.

Material-Technical Support

The content of material-technical support as a type of resource support for the implementation of the working program of upbringing includes:

- Classrooms for classes, equipped with multimedia and specialized equipment, technical tools for training, visual aids, and simulation technological equipment;

- Premises for students' independent work, equipped with computers with access to the Internet as well as to the electronic information-educational environment of NCFU;
- Library fund of printed publications, electronic educational resources, professional databases, and information reference systems;
- Unhindered access, specialized portable equipment adapted to health limitations, and special needs of students from among disabled individuals and persons with health limitations;
- Material and technical base and resources of partner organizations, employers, and representatives of the professional community.

3.6. Infrastructure of NCFU ensuring the implementation of the general education working program

Socio-Cultural Space. Network Interaction with Organizations, Social Institutions, and persons that General Education is aimed at

The infrastructure of NCFU ensuring the implementation of the General Education Program includes:

- Educational space (classrooms, computer classes, educational laboratories, specialized classrooms, computer-lingaphone classes, gypsum-casting workshop);
- Research & training centers (RTC);
- Problem research laboratories (PRL);
- Research laboratories;
- Support services (transport, communications, catering service, etc.).

NCFU has a number of sports facilities in its campus, namely: a gymnastics sports hall, a game sports hall, a workout sports hall, a wrestling sports hall, a physical therapy sports hall, a swimming pool, and a stadium.

Besides, the university facilities include concert halls, an archaeology museum, the scientific-educational center Museum of Regional Literature and Literary Local Lore, a geological museum, a zoological museum, the NCFU museum, and a museum center.

In addition, the university has special centers: the A.I. Ilchenko complex center for training and innovation in the field of energy efficiency; the Territory of Mutual Understanding interactive platform; the Boiling Point of North-Caucasus Federal University shared work space; the Young Professionals specialized competence center; the resource education & methodology center for individuals with disabilities and persons with health issues; the GranIT student innovation center; the center for linguistic expert evaluation and testing in the Russian language; the center for psychological support of personal-professional development; a mass media center; the Technical Means of Customs Control educational laboratory; a business games center; the shooting range laboratory; the youth center for Innovative Technologies of Territorial Design; the scientific-educational center for customs and logistics service; the Service Technologies education laboratory; a forensic test site; a forensic laboratory; an educational courtroom; the Ecoanalytical Laboratory scientific-educational laboratory; the Electro- and Baromembrane Technologies international research laboratory; the Virtual Worlds educational center, and the Robotic Systems educational-scientific laboratory, which facilitate the implementation of the General Education Program.

The university provides a wide range of opportunities for effective self-development:

- Through student and youth associations, creative groups, and sports sections;
- Through the development of infrastructure for student design and modeling;
- Through smooth incorporation of innovative types of general education upbringing activities into the available practices.

Enhancing event-based upbringing activity at the university contributes to the creation of a socio-cultural environment allowing the formation of a corporate culture, implementation of innovative directions and forms of upbringing work with youth oriented toward the maximum number of students involved in the extracurricular process and upbringing events, through

effective, methodically sound, and coordinated joint work of administrative structures of the University and student self-government bodies, and building a trajectory of partnership relations based on mutual cooperation.

Socio-Cultural Space

The socio-cultural space employed as a society-mastered space for the dissemination of a specific area of culture includes: the Stavropol Palace of Culture and Sports; the Palace of Child Creativity; the Stavropol State Historical-Cultural and Natural-Landscape Museum-Reserve; the Stavropol Regional Museum of Fine Arts; the **Russia – My History** Museum & Exhibition Center; the Grechishkin Painting Gallery; the Parshin Art Gallery; the Cossacks history museum; monuments; history & architecture sites (temples); the Lermontov Stavropol Academic Theater; the SALYUT Cinema; the Cosmos Cinema Park; the Etazhi Cinema Hall; the Lermontov Stavropol Scientific Library; the Stavropol Central Library; the Yunost Stavropol swimming pool; the Sports and Health Complex of NCFU; the Victoria ice rink; the Stavropol-Arena Ice Rink; the Dynamo stadium; the Spartak sports complex, etc., all of these offering a certain level of student inclusion in active public relations.

Network Interaction with Organizations, Social Institutions, and Persons that General Education is Aimed at

The purpose of network interaction between NCFU and social partners is deliberate and successful personal self-determination and self-realization of students and graduates in view of with their individual aptitudes, capabilities, and needs, as well as the objective situation in the labor market; expanding opportunities for students helping them build individual educational paths and activating their cognitive interest in achieving personal success, including through involvement in innovative projects.

List of social partners:

- **Federal Level:** Russia – Land of Opportunities autonomous non-profit organization; Federal Agency for Youth Affairs (Rosmolodezh); Russian Union of Youth; Association of Student Sports Clubs of Russia; Student Associations of Russia youth movement; Russian Student Sports Union.
- **Regional Level:** Department for Youth Policy at the Government of the Stavropol Krai; Committee for Culture and Youth Policy (Administration of the City of Stavropol); other public organizations and associations.

APPENDIX 1

Volume of Implementation of Event Measures (Educational Disciplines and Upbringing Events) in Main Educational Programs in Accordance with the Level of Preparation and Course of Study of Students

Level	Year															
	1		2		3		4		5		6					
Bachelor	Module 1 – 40% Module 2 – 30% Module 3 – 20% Module 4 – 10%	At least 32 events, of them		Module 1 – 30% Module 2 – 30% Module 3 – 20% Module 4 – 20%	At least 28 events, of them		Module 1 – 25% Module 2 – 25% Module 3 – 25% Module 4 – 25%	At least 24 events, of them		Module 1 – 20% Module 2 – 20% Module 3 – 30% Module 4 – 30%	At least 20 events, of them					
		Academic discipline (number)	Calendar plan events (number)		Academic discipline (number)	Calendar plan events (number)		Учебная Дисциплина (количество)	Calendar plan events (number)		Учебная Дисциплина (количество)	Calendar plan events (number)				
Specialist	Module 1 – 40% Module 2 – 30% Module 3 – 20% Module 4 – 10%	At least 32 мероприятий, из них		Module 1 – 30% Module 2 – 30% Module 3 – 20% Module 4 – 210%	At least 28 events, of them		Module 1 – 25% Module 2 – 25% Module 3 – 25% Module 4 – 25%	At least 24 events, of them		Module 1 – 20% Module 2 – 20% Module 3 – 30% Module 4 – 30%	At least 20 events, of them		Module 1 – 10% Module 2 – 10% Module 3 – 30% Module 4 – 50%	At least 16 events, of them		Module 1 – 10% Module 2 – 10% Module 3 – 10% Module 4 – 30% Module 5 – 40%
		Academic discipline (number)	Calendar plan events (number)		Academic discipline (number)	Calendar plan events (number)		Academic discipline (number)	Calendar plan events (number)		Academic discipline (number)	Calendar plan events (number)		Academic discipline (number)	Calendar plan events (number)	
Master, Internship	Module 1 – 15% Module 2 – 15% Module 3 – 30% Module 4 – 40%	At least 16 events, of them		Module 1 – 10% Module 2 – 10% Module 3 – 10% Module 4 – 30% Module 5 – 40%	At least 14 events, of them											
		Academic discipline (number)	Calendar plan events (number)		Academic discipline (number)	Calendar plan events (number)										

APPENDIX 2

Calendar Plan of Events and Measures of General Education for the Academic Year

Academic Education Program²: General Medicine (field left blank in original text)

Modules	Directions of General Education Activity	#	Name of Event	Duration	Level of Education	Semester	Person in charge
Module 1	Formation of citizenship and sense of patriotism; Moral-ethical upbringing and personal development; Spiritual-moral values; Cultural-aesthetic upbringing; Family-household upbringing; Physical and sports upbringing and personal development; Formation of a need for a healthy lifestyle; Volunteering and voluntary service; Development of student self-government	1	Initiation into Students	September, 2021	Specialist	1	Sokulskaya N.N. Deputy Dean of FMB for General Education
		2	My Homeland	October, 2021	Specialist	1	Sokulskaya N.N. Deputy Dean of FMB for General Education
		3	Caucasus – Our Common Home	November, 2021	Specialist	1,3,5,7,9	Sokulskaya N.N. Deputy Dean of FMB for General Education
		4	Participation in charitable actions	Constantly	Specialist	Throughout training	Sokulskaya N.N. Deputy Dean of FMB for General Education
		5	Meeting of first-year FMB students with representatives of law enforcement agencies of Stavropol	September, 2021	Specialist	1	Sokulskaya N.N. Deputy Dean of FMB for General Education
		6	Subbotniks (general outside clean up events)	Constantly	Specialist	Throughout training	Sokulskaya N.N. Deputy Dean of FMB for General Education
		7	Clean Memory event	April	Specialist	2,4,6,8	Sokulskaya N.N. Deputy Dean of FMB for General Education
		8	Student Spring	March	Specialist	Throughout training	Sokulskaya N.N. Deputy Dean of FMB for General Education
		9	FMB Activist School	September, 2021	Specialist	1	Sokulskaya N.N. Deputy Dean of FMB for General Education
Module 2	Formation of a worldview and system of fundamental values: universal, civic, professional,	1	Soldier's Envelope event	February	Specialist	2,4,6,8,10	Sokulskaya N.N. Deputy Dean of FMB for General Education

² General university events to be included subject to the General Education Program of NCFU; besides, events at the levels of Institute/Faculty, Department are to be taken into account, too

Modules	Directions of General Education Activity	#	Name of Event	Duration	Level of Education	Semester	Person in charge
	determining the attitude of young people to a rapidly changing world; civic-patriotic upbringing and legal upbringing; formation of information culture and information safety; ecological upbringing and formation of ecological thinking; intercultural interaction.	2	Doctors of the Third Reich event	May	Specialist	2,4,6,8	Sokulskaya N.N. Deputy Dean of FMB for General Education
		3	My Rights – My Wealth	—	Specialist	1,2,3,4	Sokulskaya N.N. Deputy Dean of FMB for General Education
		4	We Remember event	April	Specialist	2,4,6,8,10	Sokulskaya N.N. Deputy Dean of FMB for General Education
		5	Thematic supervision hours	During the academic year	Specialist	1,2,3,4	Kadanova A.A., Chair of the Curators Council of FMB, curators of academic groups
Module 3	Formation of the career trajectory of students and building a trajectory of personal development; formation of a need and creation of conditions for personal and professional success of students (self-management); formation of tactical and strategic thinking (for student assets); preparation of students and acquaintance with the forecast of labor market development (professions of the future); acquaintance with professions of the future and STI markets.	1	Best Medical Student	June	Specialist	6,8,10,12	Person in Charge of General Education at the Department of Physico-Chemical Biology and Immunology
		2	Promotion, Generation, K-Labs events	4,6,8	Specialist	1,2,4,5,6,7	Sokulskaya N.N. Deputy Dean of FMB for General Education
		3	Thematic curatorial hours	During the academic year	Specialist	1,2,3,4	Kadanova A.A., Chair of the Curators Council of FMB, curators of academic groups
Module 4	Meta-skills; labor education, professional development and upbringing of the future specialist; formation of skills of constructive thinking; shaping a need for	1	Time of the First	October, 2021	Specialist	1	Sokulskaya N.N. Deputy Dean of FMB for General Education
		2	Intellectual and cognitive games	During the entire	Specialist	1,2,3,4,5,6,7,8	Sokulskaya N.N.

Modules	Directions of General Education Activity	#	Name of Event	Duration	Level of Education	Semester	Person in charge
	concentration of spiritual, emotional, physical, mental strength and energy, internal balance and self-confidence to solve respective tasks (resource condition); teamwork skills development, team building; project activity of students and project management; development of socio-personal competencies (teamwork, leadership, emotional intelligence, etc.); ecological thinking.			academic year			Deputy Dean of FMB for General Education
		3	My Rights – My Wealth	December, 2021	Specialist	1,2,3,4	Sokulskaya N.N. Deputy Dean of FMB for General Education
		4	Promotion, Generation, K-Labs events	October, 2021; March, 2022	Specialist	1,2,4,5,6,7	Sokulskaya N.N. Deputy Dean of FMB for General Education
		5	Best Medical Student	June	Specialist	6,8,10,12	Person in Charge of General Education at the Department of Physico-Chemical Biology and Immunology
		6	Participation in round tables with employers	September, April	Specialist	8,9,10,11	Head of Department of Physico-Chemical Biology and Immunology, responsible for employment at the department
Module 5	Professional adaptation to employment, increasing vocational guidance and professional motivation; ecological, critical, and reflexive thinking; maintaining a resource condition.	1	K-Labs event	October	Specialist	6,8,10	Sokulskaya N.N. Deputy Dean of FMB for General Education
		2	Round-table discussions with employers	September, April	Specialist	8,9,10,11	Head of Department of Physico-Chemical Biology and Immunology, responsible for employment at the department