

Federal State Government-Funded Educational Institution
Higher Education
Volgograd State Medical University
Ministry of Healthcare of the Russian Federation



APPROVED BY
Chancellor
V. V. Shkarin
« 06 » September 2023

**APPLICATION
TO THE SELF-ASSESSMENT REPORT**

**on Program Accreditation
"Basic Professional Educational Program
Higher Education – Specialist programs in the specialty
33.05.01 Pharmacy**

prepared for
Independent Agency for Accreditation and Rating (IAAR)

Volgograd, 2023

Content

ANNEX 1	4
ANNEX 2	5
ANNEX 3	7
ANNEX 4	8
ANNEXES TO STANDARD 2.....	9
ANNEX 2.1	9
ANNEX 2.2.....	10
ANNEX 2.3.....	11
ANNEX 2.4.....	41
ANNEX 2.5.....	42
ANNEX 2.6.....	43
ANNEX 2.7.....	48
ANNEX 2.8.....	51
ANNEX 2.9.....	63
ANNEXES TO STANDARD 3.....	63
ANNEX 3.1.....	63
ANNEX 3.2.....	65
ANNEXES TO STANDARD 4.....	67
ANNEX 4.1.....	67
ANNEX 4.2.....	69
ANNEXES TO STANDARD 5.....	71
ANNEX 5.1.....	71
ANNEX 5.2.....	72
ANNEX 5.3.....	75
ANNEX TO STANDARD 6.....	78
ANNEX 6.1.....	78
ANNEX 6.2.....	79
Table 6.2. Characteristics of production bases	80
ANNEXES TO STANDARD 7.....	89
ANNEX 7.1.....	89
ANNEX 7.2.....	90
ANNEX 7.3.....	97

I, Shkarin Vladimir Vyacheslavovich, confirm that this self-assessment report on program accreditation of the main professional educational program of higher education - the specialist program in the specialty 33.05.01 Pharmacy of the educational organization "Federal State Government-Funded Educational Institution of Higher Education "Volgograd State Medical University" of the Ministry of Healthcare of the Russian Federation", containing 146 pages, presents Absolutely reliable, accurate and exhaustive data that adequately and fully characterize the activities of the university.

V.V.Shkarin

Changes in the official name of the university since its foundation

Official name	Date, Administrative Act
Stalingrad State Medical Institute	Year 1935 (Decree of the Council of People's Commissars of the USSR dated 17.08.1935 No. 1818).
Volgograd State Medical Institute	Year 1961 (after the Decree of the Presidium of the Supreme Soviet of the RSFSR of 10.11.1961 d. No. 722/I "On the renaming of the Stalingrad Region into the Volgograd Region and the city of Stalingrad into Volgograd")
Volgograd Medical Academy	Year 1993 (Order of the Council of Ministers – the Government of the Russian Federation dated 25.06.1993 No. 1127-R, Order of the Ministry of Healthcare of the Russian Federation dated 12.07.1993 No. 159)
State Educational Institution of Higher Professional Education "Volgograd State Medical University" of the Ministry of Healthcare of the Russian Federation	Year 2003 (Order of the Ministry of Education of the Russian Federation dated 08.01.2003 No. 10, Order of the Ministry of Healthcare of the Russian Federation dated 11.02.2003 No. 102)
Volgograd State Medical University of the Ministry of Healthcare and Social Development of the Russian Federation	Year 2008 (in accordance with the Decree of the Government of the Russian Federation dated 10.09.2008 No. 1300-r)
State Educational Institution of Higher Professional Education "Volgograd State Medical University" of the Ministry of Healthcare of the Russian Federation	Year 2012 (in accordance with the Decree of the Government of the Russian Federation dated 19.07.2012 No. 1286-r)
Volgograd State Medical University of the Ministry of Healthcare of the Russian Federation	Year 2016 (Order dated 15.07.2016 No. 1029-KM "On the Enactment of the New Edition of the Charter and Change of the Name of the University")



СГМИ – ВГМИ – ВМА – ВолгГМУ

СГМИ Сталинградский государственный медицинский институт	ВГМИ Волгоградский государственный медицинский институт	ВМА Волгоградская медицинская академия	ВолгГМУ Волгоградский государственный медицинский университет
1935 – 1961	1961 – 1993	1993 – 2003	С 2003 года

Number of students in educational programs implemented by VolgSMU of the Ministry of Healthcare of Russia (excluding continuing professional education programs, PMPI) as of 01.11.2023 (broken down by forms of education)

Type of education/ Program	Number of educational programs implemented	Number of students broken down Forms of study		
		In-person	Full-time and part-time	Correspondence
College of VolgSMU				
Mid-Level Specialist Training Programs	5	710	0	0
Software Programs	2	30	0	0
Faculties of Volgograd State Medical University, Institute of Healthcare				
Undergraduate Programs	4	303	33	28
Specialist Programs	8	6955	0	0
Master's Degree Programs	4	22	41	80
Total number of students at the I and II levels of higher education	16	7280	74	108
		7462		
CMPE Institute				
Residency Programs	62	1222	0	0
Department of Science, Innovation and Training of Scientific and Pedagogical Personnel				
Postgraduate Training Programs for Scientific and Scientific-Pedagogical Personnel	48	59	0	86
Total:	133	9301	74	194

Number (%) of foreign students studying at VolgSMU in relation to Russian students enrolled in similar educational programs over the past 3 years

Years	General Medicine	Stomatology	Pharmacy	Altogether
2021-2022	41,6%	42,3%	33%	40,97%
2022-2023	41,8%	44,5%	46,5%	42,95%
2023-2024	42,1%	45,7%	50,97%	43,86%

Structure of the curriculum of the specialist degree in the specialty 33.05.01 Pharmacy

Naming of Discipline Groups	Total Hours (share in %)	Number of classroom hours			Number of credits
		altogether	Lecture-type classes	Seminar-type classes	
Humanities	12	886	202	412	26
Basic Sciences	32	2262	668	1594	94
Specialized / Clinical Sciences	39	2780	814	1966	111
Part formed by the participants of educational relations (Elective disciplines)	5	398	116	282	15
Part formed by the participants of educational relations (Elective disciplines)	12	824	62	630	30
Internships (training and production)	1836 hours (34 weeks)	828	0	828	51
State Final Attestation	108 hours (2 weeks)	3	0	3	3

**Use of andragogical teaching principles
at the Federal State Government-Funded Educational Institution of Higher Education
of the Volgograd State Medical University of the Ministry of Healthcare of Russia**

Principle	Implementation of the principle
Prioritize self-paced learning	The curriculum contains hours allocated for students' independent work
Principle of joint activity	TBL methods (e.g., case study, business and role-play, etc.) are included in the curricula for academic disciplines.
The principle of relying on the learner's experience	The life experience of senior students is formed by the parallel combination of educational and professional activities (in the positions of middle and junior medical personnel)
Individualized learning	The curriculum provides for elective disciplines, elective disciplines, and professional tracks
Systematic training	In the methodological documentation for the disciplines, the correspondence of the goals, content, forms, means of training and the list of assessment tools used are systematically described in a logical sequence
Contextual Learning	The curriculum provides for the choice of professional tracks in the senior years of study
Principle of Actualization of Learning Outcomes	When studying disciplines at clinical departments, there is a simultaneous application in practice of the acquired knowledge, skills, skills (experience) through the use of such methods as preparing a medical history, supervising patients, participating in scientific and practical conferences, and attending tumor boards

Requirements for the results of mastering the BVEP specialist degree in the specialty 33.05.01 Pharmacy

Table 2.1. Universal Competencies of Graduates and Indicators of Their Achievement

Category (group)	Code and name	Code and name of the indicator for achieving universal competence
Universal Competencies	Universal Competence	
Systems and Critical Thinking	UK-1. Able to carry out a critical analysis of problem situations based on a systematic approach, develop a strategy of action	<p>UK-1.1. Knows:</p> <p>UK-1.1.1. Knows the historical milestones of the society's development;</p> <p>UK-1.1.2. Knows the basic principles of critical analysis;</p> <p>UK-1.1.3. Knows methods of critical analysis and evaluation of modern scientific and practical achievements.</p> <p>UK-1.2. Is able to:</p> <p>UK-1.2.1. Able to collect and summarize data on topical problems related to the professional field;</p> <p>UK-1.2.2. Able to search for information and solutions based on actions, experiments and experience;</p> <p>UK-1.2.3. Is able to analyze a problem situation as a system, identifying its components and connections between them.</p>

		<p>UK-1.3. Owns:</p> <p>UK-1.3.1. Has experience in the formation of value judgments in solving problematic professional situations;</p> <p>UK-1.3.2. Possesses the skill of developing a strategy for achieving the set goal as a sequence of steps, foreseeing the result of each of them and assessing their impact on the external environment of the planned activity and on the relationship between the participants in this activity.</p>
Project development and implementation	UK-2. Able to manage a project at all stages of its life cycle	<p>UK-2.1. Knows:</p> <p> UK-2.1.1. Knows the principles, methods and requirements for project work;</p> <p> UK-2.1.2. Knows the methods, criteria and parameters for evaluating the results of the project;</p> <p> UK-2.1.3. Knows the methods of presentation and description of the results of project activities.</p> <p>UK-2.2. Is able to:</p> <p> UK-2.2.1. Is able to develop the concept of the project within the framework of the designated problem, formulating the goal, objectives, relevance, significance, expected results and possible areas of their application;</p> <p> UK-2.2.2. Able to calculate deadlines and form a project implementation schedule;</p> <p> UK-2.2.3. Is able to plan the resources necessary for the implementation of the project, including taking into account their replaceability;</p>

		<p>UK-2.2.4. Is able to organize and coordinate the work of project participants, contributing to the constructive overcoming of emerging disagreements and conflicts;</p> <p>UK-2.2.5. Able to maintain, check and analyze project documentation.</p> <p>UK-2.3. Owns:</p> <p>UK-2.3.1. Has experience in presenting the results of the project (or its individual stages) in the form of reports, articles, speeches at scientific and practical seminars and conferences;</p> <p>UK-2.3.2. Possesses the skill of maintaining project documentation;</p> <p>UK-2.3.3. Has experience in project management at all stages of its life cycle.</p>
Teamwork & Leadership	UK-3. Able to organize and lead the work of a team, developing a team strategy to achieve a set goal	<p>UK-3.1. Knows:</p> <p>UK-3.1.1. Knows the principles of selecting an effective team;</p> <p>UK-3.1.2. Knows the basic conditions for effective teamwork;</p> <p>UK-3.1.3. Knows the basics of strategic management of human resources, regulatory legal acts related to the organization and implementation of professional activities;</p> <p>UK-3.1.4. Knows the models of organizational behavior, the factors of formation of organizational relations;</p> <p>UK-3.1.5. Knows the strategies and principles of teamwork, the main characteristics of the organizational climate and the interaction of team members in the organization.</p>

		<p>UK-3.2. Is able to:</p> <p>UK-3.2.1. Is able to develop a cooperation strategy and on its basis organizes the work of the team to achieve the goal;</p> <p>UK-3.2.2. Is able to take into account in his/her social and professional activities the interests, peculiarities of behavior and opinions (including critical ones) of people with whom he/she works/interacts, including by adjusting his/her actions;</p> <p>UK-3.2.3. Is able to foresee the results (consequences) of both personal and collective actions;</p> <p>UK-3.2.4. Is able to determine the degree of effectiveness of team management.</p> <p>UK-3.3. Owns:</p> <p>UK-3.3.1. Has experience in participating in the development of a teamwork strategy;</p> <p>UK-3.3.2. Has experience in planning teamwork, distributing assignments, delegating authority, organizing discussions of different ideas and opinions;</p> <p>UK-3.3.3. Possesses the skills of overcoming disagreements, disputes and conflicts arising in the team based on taking into account the interests of all parties.</p>
Communication	UK-4. Able to apply modern communication technologies, including in foreign language(s),	<p>UK-4.1. Knows:</p> <p>UK-4.1.1. Knows the importance of communication in professional</p>

	<p>for academic and professional interaction</p>	<p>interaction;</p> <p>UK-4.1.2. Knows the principles of communication in professional ethics;</p> <p>UK-4.1.3. Knows the factors of improving communication in the work team;</p> <p>UK-4.1.4. Knows the methods of studying the communicative potential of the individual;</p> <p>UK-4.1.5. Knows modern means of information and communication technologies;</p> <p>UK-4.1.6. Knows computer technologies and information infrastructure in the organization.</p> <p>UK-4.2. Is able to:</p> <p>UK-4.2.1. Able to create written texts of scientific and official business styles of speech on professional issues in Russian and foreign languages;</p> <p>UK-4.2.2. Is able to study the flow of information on management communications;</p> <p>UK-4.2.3. Is able to determine internal communications in the organization.</p> <p>UK-4.3. Owns:</p> <p>UK-4.3.1. Has experience in presenting plans and results of personal and team activities using communication technologies at various events, including international ones;</p>
--	--	---

		UK-4.3.2. Possesses the skill of effective participation in academic and professional discussions.
Cross-cultural interaction	UK-5. Able to analyze and take into account the diversity of cultures in the process of intercultural interaction	<p>UK-5.1. Knows:</p> <p>UK-5.1.1. Knows the psychological foundations of social interaction aimed at solving professional problems;</p> <p>UK-5.1.2. Knows the basic principles of business contacts;</p> <p>UK-5.1.3. Knows the national, ethno-cultural and confessional characteristics and folk traditions of the population;</p> <p>UK-5.1.4. Knows the basic concepts of interaction in the organization, the features of didactic interaction.</p> <p>UK-5.2. Is able to:</p> <p>UK-5.2.1. Is able to adequately explain the peculiarities of behavior and motivation of people of different social and cultural origins in the process of interaction with them, based on knowledge of the reasons for the emergence of social customs and differences in people's behavior.</p> <p>UK-5.3. Owns:</p> <p>UK-5.3.1. Possesses the skills to create a non-discriminatory environment for productive interaction in the professional environment, taking into account national, ethno-cultural, and religious characteristics;</p> <p>UK-5.3.2. Possesses the skills to overcome communicative, educational,</p>

		ethnic, religious and other barriers in the process of intercultural interaction.
--	--	---

<p>Self-organization and self-development (including health preservation)</p>	<p>UK-6. Able to identify and implement priorities for their own activities and ways to improve them based on self-esteem and lifelong learning</p>	<p>UK-6.1. Knows:</p> <p>UK-6.1.1. Knows the content of the processes of self-organization and self-education, their features and technologies of implementation, based on the goals of improving professional activity</p> <p>UK-6.2. Is able to:</p> <p>UK-6.2.1. Is able to assess his/her resources and their limits (personal, situational, temporal) and use them optimally;</p> <p>UK-6.2.2. Is able to determine the priorities of professional growth and ways to improve their own activities on the basis of self-assessment according to the selected criteria.</p> <p>UK-6.3. Owns:</p> <p>UK-6.3.1. Possesses techniques of self-regulation of psycho-emotional and functional states;</p> <p>UK-6.3.2. Possesses the skill of independent identification of motives and stimuli for self-development;</p> <p>UK-6.3.3. Possesses the skill of planning a professional trajectory, taking into account the characteristics of both professional and other types of activity and the requirements of the labor market;</p> <p>UK-6.3.4. Has experience in dealing with uncertainty, adjusting plans and steps for their implementation taking into account available resources.</p>
---	---	--

	<p>UK-7. Able to maintain the proper level of physical fitness to ensure full-fledged social and professional activities</p>	<p>UK-7.1. Knows:</p> <p style="padding-left: 40px;">UK-7.1.1. Knows the basic means and methods of physical education.</p> <p>UK-7.2. Is able to:</p> <p style="padding-left: 40px;">UK-7.2.1. Is able to select and apply methods and means of physical culture to improve basic physical qualities.</p> <p>UK-7.3. Owns:</p> <p>UK-7.3.1. Possesses methods and means of physical culture to ensure full-fledged social and professional activity.</p>
Life safety	<p>UK-8. Able to create and maintain safe living conditions in everyday life and in professional activities to preserve the natural environment, ensure the sustainable development of society, including in the event of a threat and occurrence of emergencies and military conflicts</p>	<p>UK-8.1. Knows:</p> <p style="padding-left: 40px;">UK-8.1.1. Knows the consequences of the impact of harmful and dangerous factors on the human and animal body, and the environment;</p> <p style="padding-left: 40px;">UK-8.1.2. Knows methods and ways of protection from harmful and dangerous factors in everyday life and in professional activities.</p> <p>UK-8.2. Is able to:</p> <p style="padding-left: 40px;">UK-8.2.1. Is able to make decisions to ensure security in various situations, including the threat and occurrence of emergencies and military conflicts.</p>

		<p>UK-8.3. Owns:</p> <p>UK-8.3.1. Possesses skills to ensure safety in the "human-environment" system.</p>
<p>Economic culture, including financial literacy</p>	<p>UK-9. Able to make informed economic decisions in various areas of life</p>	<p>UK-9.1. Knows:</p> <p>UK-9.1.1. Knows the basic principles of the functioning of the economy and economic development, the goals and forms of state participation in the economy;</p> <p>UK-9.1.2. Knows the basics of economic theory necessary for solving professional and social problems.</p> <p>UK-9.2. Is able to:</p> <p>UK-9.2.1. Is able to apply economic knowledge in the performance of practical tasks;</p> <p>UK-9.2.2. Is able to apply methods of personal economic and financial planning to achieve current and long-term financial goals;</p> <p>UK-9.2.3. Knows how to use financial instruments to manage personal finances (personal budget);</p> <p>UK-9.2.4. Able to control own economic and financial risks;</p> <p>UK-9.2.5. Is able to make informed economic decisions in various areas of life.</p> <p>UK-9.3. Owns:</p> <p>UK-9.3.1. Possesses the ability to use the basic provisions and methods of</p>

		economic sciences in solving social and professional problems.
--	--	--

Civic position	UK-10. Able to form an intolerant attitude towards corrupt behavior	<p>UK-10.1. Knows:</p> <p>UK-10.1.1. Knows the basic legal norms;</p> <p>UK-10.1.2. Knows the essence of corrupt behavior and the forms of its manifestation in various spheres of life;</p> <p>UK-10.1.3. Knows the relationship between corrupt behavior and social, economic, political and other conditions.</p> <p>UK-10.2. Is able to:</p> <p>UK-10.2.1. Is able to analyze and correctly apply legal norms on combating corrupt behavior;</p> <p>UK-10.2.2. Able to identify and assess corruption risks.</p> <p>UK-10.3. Owns:</p> <p>UK-10.3.1. Possesses the skills of working with legislative and other regulatory legal acts;</p> <p>UK-10.3.2. Possesses the skill of forming a paradigm of intolerance to corrupt behavior.</p>
----------------	---	--

Table 2.2. General Professional Competencies of Graduates and Indicators of Their Achievement

Category (group)	Code and name	Code and name of the indicator for achieving universal competence
Universal Competencies	Universal Competence	
Professional Methodology	OPK-1. He is able to use basic biological, physicochemical, chemical, mathematical methods for the development, research and examination of medicines, the manufacture of medicines	<p>OPK-1.1. Knows:</p> <p>OPK-1.1.1. Knows the basic biological methods of analysis for the development, research and examination of medicines and medicinal plant raw materials.</p> <p>OPK-1.2. Is able to:</p> <p>OPK-1.2.1. Is able to apply basic physicochemical and chemical methods of analysis for the development, research and examination of medicines, medicinal plant raw materials and biological objects;</p> <p>OPK-1.2.2. Is able to apply the basic methods of physical and chemical analysis in the manufacture of medicines.</p> <p>OPK-1.3. Owns:</p> <p>OPK-1.3.1. Possesses the ability to use mathematical methods and carry out mathematical processing of data obtained in the course of drug development, as well as research and examination of medicines, medicinal plant raw materials and biological objects.</p>

	<p>OPK-2. Able to apply knowledge about morphofunctional features, physiological states and pathological processes in the human body to solve professional problems</p>	<p>OPK-2.1. Knows:</p> <p>OPK-2.1.1. Knows methods for analyzing pharmacokinetics and pharmacodynamics of a drug based on knowledge of morphofunctional features, physiological states and pathological processes in the human body.</p> <p>OPK-2.2. Is able to:</p> <p>OPK-2.2.1. Is able to explain the main and side effects of drugs, the effects of their combined use and interaction with food, taking into account morphofunctional features, physiological states and pathological processes in the human body.</p> <p>OPK-2.3. Owns:</p> <p>OPK-2.3.1. Possesses the ability to take into account morphofunctional features, physiological states and pathological processes in the human body when choosing over-the-counter medicines and other pharmacy products.</p>
--	---	--

Adapting to production conditions	OPK-3. Able to carry out professional activities taking into account specific economic, environmental, social factors within the framework of the system of legal regulation of the circulation of medicines	<p>OPK-3.1. Knows:</p> <p>OPK-3.1.1. Knows the norms and rules established by the authorized state authorities when solving the problems of professional activity in the field of circulation of medicines.</p> <p>OPK-3.2. Is able to:</p> <p>OPK-3.2.1. Is able to take into account economic and social factors influencing the financial and economic activities of pharmaceutical organizations when making managerial decisions.</p> <p>OPK-3.3. Owns:</p> <p>OPK-3.3.1. Possesses the ability to perform labor actions taking into account their impact on the environment, preventing the occurrence of environmental hazards;</p> <p>OPK-3.3.2. Proficient in the methodology for determining and interpreting the main environmental indicators of the state of the production environment in the production of medicines.</p>
Ethics and Deontology	OPK-4. Able to carry out professional activities in accordance with ethical standards and moral principles of pharmaceutical ethics and deontology	<p>OPK-4.1. Knows:</p> <p>OPK-4.1.1. Knows the content of the "Code of Ethics of the Pharmaceutical Worker of Russia".</p> <p>OPK-4.2. Is able to:</p>

		<p>OPK-4.2.1. Is able to interact in the system "pharmaceutical worker-visitor of a pharmacy organization" in accordance with the norms of pharmaceutical ethics and deontology.</p> <p>OPK-4.3. Owns:</p> <p>OPK-4.3.1. Possesses the skills of interaction in the system "pharmaceutical worker-medical worker" in accordance with the norms of pharmaceutical ethics and deontology.</p>
First Aid	<p>OPK-5. Able to provide first aid on the territory of a pharmaceutical organization in case of emergency conditions of visitors until the arrival of the ambulance team</p>	<p>OPK-5.1. Knows:</p> <p>OPK-5.1.1. Knows the symptoms of common emergencies in the region.</p> <p>OPK-5.2. Is able to:</p> <p>OPK-5.2.1. Is able to establish the fact of the occurrence of an emergency condition in a visitor of a pharmacy organization, in which it is necessary to provide first aid, including under the influence of chemical terrorism agents and accident-hazardous chemicals.</p> <p>OPK-5.3. Owns:</p> <p>OPK-5.3.1. Possesses the ability to carry out first aid measures for visitors in case of emergencies before the arrival of the ambulance crew;</p> <p>OPK-5.3.2. Possesses the ability to use medical means of protection, prevention, medical care and treatment of lesions with toxic substances of various</p>

		nature, radioactive substances and biological agents.
Use of information technology	OPK-6. Able to understand the principles of modern information technologies and use them to solve problems of professional activity	<p>OPK-6.1. Knows:</p> <p style="padding-left: 40px;">OPK-6.1.1. Knows the basics of using modern information technologies when interacting with the subjects of circulation of medicines, taking into account the requirements of information security.</p> <p>OPK-6.2. Is able to:</p> <p style="padding-left: 40px;">OPK-6.2.1. Is able to carry out an effective search for information necessary to solve the problems of professional activity, using legal reference systems and professional pharmaceutical databases.</p> <p>OPK-6.3. Owns:</p> <p style="padding-left: 40px;">OPK-6.3.1. Possesses the ability to apply specialized software for mathematical processing of observational and experimental data in solving problems of professional activity;</p> <p style="padding-left: 40px;">OPK-6.3.2. Possesses the ability to use automated information systems in the internal processes of a pharmaceutical and (or) medical organization, as well as for interactions with consumers and suppliers.</p>

Table 2.3. Professional Competencies of Graduates and Indicators of Their Achievement

The Task of Professional Activity	Objects of professional activity	Code and name of professional competence	Code and name of the indicator of achievement of professional competence	Basis (professional standard, experience analysis)
Type of professional activity: pharmaceutical				
<p>Organization and implementation of the process of manufacturing medicines</p> <p>Distribution, sale and transfer of medicines and other pharmacy products through pharmaceutical and medical organizations with the provision of pharmaceutical advice</p>	<p>medicines for medical use;</p> <p>other pharmacy products;</p> <p>legal entities; Individuals; medicinal products for veterinary use;</p>	<p>AT-1. Able to manufacture medicines and take part in the technology of production of finished medicines</p>	<p>AT-1.1. Knows:</p> <p>AT-1.1.1. Knows the measures to prepare the workplace, technological equipment, medicinal and excipients for the manufacture of medicines in accordance with prescriptions and (or) requirements.</p> <p>AT-1.2. Is able to:</p> <p>AT-1.2.1. Is able to manufacture medicines, including intra-pharmacy procurement and serial production, in accordance with the established rules and taking into account the compatibility of drugs and excipients, controlling quality at all stages of the technological process.</p> <p>AT-1.3. Owns:</p> <p>AT-1.3.1 Possesses the skills of packaging, labeling and (or) registration of manufactured</p>	<p>02.006 Pharmacist</p>

			<p>medicines for dispensing;</p> <p>SC-1.3.2. Possesses the skills of registration of data on the manufacture of medicines in accordance with the established procedure, including keeping a quantitative record of groups of medicines and other substances subject to such accounting;</p> <p>AT-1.3.3. Proficient in the manufacture of medicines, including serial production, in the field when providing assistance to the population in emergency situations;</p> <p>AT-1.3.4. Proficient in the selection of excipients of dosage forms, taking into account the influence of biopharmaceutical factors;</p> <p>AT-1.3.5. Possesses the skills of calculating the amount of medicinal and excipients for the production of all types of modern dosage forms.</p>	
--	--	--	--	--

		<p>AT-2. He is able to solve the problems of professional activity in the dispensing and sale of medicines and other pharmacy products through pharmaceutical and medical organizations</p>	<p>AT-2.1. Knows:</p> <p>AT-2.1.1. Knows the methodology of pharmaceutical examination of prescriptions and invoice requirements, as well as their registration and taxiing in accordance with the established procedure.</p> <p>AT-2.2. Is able to:</p> <p>AT-2.2.1. Able to sell and dispense medicines for medical use and other pharmacy products to individuals, as well as to release them to the subdivisions of medical organizations, controlling compliance with the procedure for dispensing medicines for medical use and other pharmacy products with pharmaceutical consulting and provision of pharmaceutical information.</p> <p>AT-2.3. Owns:</p> <p>AT-2.3.1. Possesses the skills of office work on the maintenance of cash, organizational, administrative, reporting documents in retail sales;</p> <p>AT-2.3.2. Possesses the skills of office work on the maintenance of organizational, administrative, payment reporting documents in the</p>	02.006 Pharmacist
--	--	---	--	-------------------

			<p>course of wholesale sales;</p> <p>AT-2.3.3. Possesses the skills of pre-sale preparation, organizes and conducts the display of medicines and pharmacy products in the sales area and (or) showcases of the departments of the pharmacy organization.</p>	
		<p>AT-3. Able to provide pharmaceutical information and advice on the dispensing and sale of medicines for medical use and other pharmacy products</p>	<p>AT-3.1. Knows:</p> <p>AT-3.1.1. Knows the methodology for providing information and consulting assistance to visitors of a pharmacy organization when choosing medicines and other pharmacy products, as well as on their rational use, taking into account the biopharmaceutical features of dosage forms.</p> <p>AT-3.2. Is able to:</p> <p>AT-3.2.1. Is able to inform medical</p>	02.006 Pharmacist

			<p>professionals about medicines, their synonyms and analogues, possible side effects and interactions, taking into account the biopharmaceutical features of dosage forms.</p> <p>AT-3.3. Owns:</p> <p>AT-3.3.1. Possesses the skills to make a decision on the replacement of the prescribed medicinal product with synonymous or similar drugs in accordance with the established procedure based on information on groups of medicinal products and synonyms within one international nonproprietary name and their prices, taking into account the biopharmaceutical characteristics of dosage forms.</p>	
Type of professional activity tasks: expert and analytical				

<p>Monitoring the quality, efficacy and safety of medicines</p> <p>Chemical-toxicological and forensic-chemical studies</p>	<p>medicinal plant raw materials;</p> <p>medicines for medical use biological fluids and tissues;</p> <p>production of medicines;</p> <p>technological processes in pharmaceutical production</p>	<p>AT-4. Able to participate in monitoring the quality, efficacy and safety of medicines and medicinal plant raw materials</p>	<p>AT-4.1. Knows:</p> <p>AT-4.1.1. Knows the methodology of pharmaceutical analysis of pharmaceutical substances, excipients and medicinal products for medical use of factory production in accordance with quality standards.</p> <p>AT-4.2. Is able to:</p> <p>AT-4.2.1. Is able to control the preparation of reagents and titrated solutions;</p> <p>AT-4.2.2. Able to standardize prepared titrated solutions;</p> <p>AT-4.2.3. Is able to conduct pharmacognostic analysis of medicinal plant raw materials and medicinal herbal preparations.</p> <p>AT-4.3. Owns:</p> <p>AT-4.3.1. Possesses the skills of informing, in accordance with the procedure established by law, about the non-compliance of the medicinal product for medical use with the established requirements or about the non-compliance of the data on the efficacy and safety of the medicinal product with the data on the medicinal product contained in the</p>	<p>02.006 Pharmacist</p>
---	---	--	---	--------------------------

			<p>instructions for its use;</p> <p>AT-4.3.2. Possesses the skills of registration, processing and interpretation of the results of tests of medicines, raw materials and packaging materials.</p>	
		<p>AT-5. Able to perform clinical laboratory tests of the third category of complexity, including the introduction of new research methods and techniques</p>	<p>AT-5.1. Knows:</p> <p>AT-5.1.1. Knows the methodology of analysis of toxic substances, using a set of modern high-tech physicochemical, biological and chemical methods of analysis.</p> <p>AT-5.2. Is able to:</p> <p>AT-5.2.1. Is able to interpret the results of forensic chemical and chemical-toxicological examination, taking into account the processes of biotransformation of toxic substances and the capabilities of analytical research methods in accordance with the current regulatory documentation.</p>	02.006 Pharmacist

			<p>AT-5.3. Owns:</p> <p>AT-5.3.1. Proficient in assessing the quality of clinical laboratory tests of the third category of complexity and interpreting the assessment results;</p> <p>AT-5.3.2. Possesses the skills of drawing up a report on clinical laboratory tests.</p>	
Type of professional activity tasks: organizational and managerial				
<p>Planning and organization of resource provision of pharmaceutical organizations, including the organization and implementation of trade and procurement activities</p>	<p>other pharmacy products; medicines for medical use; Individuals; clinical laboratory tests; medicinal plant raw materials; production of medicines; Technological processes in pharmaceutical production</p>	<p>AT-6. Able to take part in the planning and organization of resource support for a pharmaceutical organization</p>	<p>AT-6.1. Knows:</p> <p>AT-6.1.1. Knows the methodology for determining the economic indicators of inventories of medicines and other pharmacy products.</p> <p>AT-6.2. Is able to:</p> <p>AT-6.2.1. Is able to select the best suppliers and organize procurement processes based on the results of market research of suppliers of medicines for medical use and other pharmacy products;</p> <p>AT-6.2.2. Is able to control the execution of contracts for the supply of medicines for medical use and other pharmacy products.</p> <p>AT-6.3. Owns:</p>	02.006 Pharmacist

			<p>AT-6.3.1. Possesses the skills of acceptance control of incoming medicines and other pharmacy products, checking and drawing up accompanying documents in accordance with the established procedure;</p> <p>AT-6.3.2. Possesses the skills of withdrawal from circulation of medicines and pharmacy products that have become unusable, with an expired shelf life, falsified, counterfeit and low-quality products;</p> <p>AT-6.3.3. Possesses the skills of carrying out subject-quantitative accounting of medicines in accordance with the established procedure;</p> <p>AT-6.3.4. Possesses the skills of organizing control over the availability and storage conditions of medicines for medical use and other pharmacy products.</p>	
Type of professional activity tasks: research				
Preclinical and Clinical Studies Chemical-toxicological and forensic-chemical studies	medicines for medical use; toxicants in biological objects; excipients; Medicinal products for medical use	AT-7. Able to take part in research in the field of assessing the efficacy and safety of medicines	<p>AT-7.1. Knows:</p> <p>AT-7.1.1. Knows the methodology of preclinical and clinical drug trials.</p> <p>AT-7.2. Is able to:</p> <p>AT-7.2.1. Is able to study pharmacological activity and other types of activity of various</p>	02.006 Pharmacist

Pharmaceutical development			<p>compounds on laboratory animals;</p> <p>AT-7.2.2. Able to determine pharmacokinetic parameters of substances in laboratory animals;</p> <p>SC-7.2.3. Is able to study the bioavailability of substances in various in vitro and in vivo models.</p> <p>AT-7.3. Owns:</p> <p>AT-7.3.1 Possesses the skills of drawing up research results, conducting statistical processing of results;</p> <p>AT-7.3.2. Proficient in the development of pharmacokinetics research methods at the preclinical and clinical levels.</p>	
		AT-8. Able to take part in drug formulation design studies	<p>AT-8.1. Knows:</p> <p>AT-8.1.1. Knows the measures for the preparation of the workplace, the selection and preparation of technological equipment.</p> <p>AT-8.2. Is able to:</p> <p>AT-8.2.1. Is able to determine the optimal composition of excipients taking into account the properties of the active ingredient and the purpose</p>	02.006 Pharmacist

			<p>of the drug.</p> <p>AT-8.3. Owns:</p> <p>AT-8.3.1. Possesses the skills of choosing the optimal technology and makes a model of laboratory regulations;</p> <p>SC-8.3.2. Possesses the skills of quality control of medicines.</p>	
		<p>AT-9. Able to take part in research to evaluate the efficacy of dosage forms</p>	<p>AT-9.1. Knows:</p> <p>AT-9.1.1. Knows the methodology for performing a study to assess the quality of dosage forms in accordance with regulatory documentation.</p> <p>AT-9.2. Is able to:</p> <p>AT-9.2.1. Is able to work with equipment used to assess the quality of dosage forms.</p> <p>AT-9.3. Owns:</p> <p>AT-9.3.1. Possesses the skills of performing a comparative analysis of the results of the study on the composition and prescription of dosage forms.</p>	02.006 Pharmacist

		<p>AT-10. Capable of analyzing and publicly presenting scientific data</p>	<p>PP-10.1. Knows:</p> <p>AT-10.1.1. Knows methods of statistical processing of experimental and analytical data.</p> <p>AT-10.2. Is able to:</p> <p>AT-10.2.1. Able to formulate conclusions and give a reasoned conclusion based on the results of the study.</p> <p>AT-10.3. Owns:</p> <p>AT-10.3.1. Possesses the skills of preparing and formatting a publication based on the results of the study.</p>	02.006 Pharmacist
		<p>AT-11. Able to participate in scientific research</p>	<p>PP-11.1. Knows:</p> <p>AT-11.1.1. Knows the basics of evidence-based medicine.</p> <p>AT-11.2. Can</p> <p>AT-11.2.1. Able to collect and study modern scientific literature;</p> <p>AT-11.2.2. Able to formulate the goals and</p>	02.006 Pharmacist

			<p>objectives of the study.</p> <p>AT-11.3 Owns:</p> <p>AT-11.3.1. Proficient in experiment design;</p> <p>AT-11.3.2. Proficient in conducting research.</p>	
		<p>AT-12. Able to conduct research in the field of development of methods for the purposes of chemical and toxicological analysis</p>	<p>PP-12.1. Knows:</p> <p>AT-12.1.1. Knows the methodology of sample preparation of biological objects for the subsequent development of methods for the purposes of chemical and toxicological analysis.</p> <p>AT-12.2. Is able to:</p> <p>AT-12.2.1. Is able to conduct screening methods for the study of modern toxicologically significant compounds.</p> <p>AT-12.3.Owns:</p> <p>AT-12.3.1. Possesses the skills of interpreting the results obtained.</p>	02.006 Pharmacist

ANNEX 2.4

**Ratio of the number of citizens of the Russian Federation and foreign citizens studying
the BVEP specialist degree in the specialty 33.05.01 Pharmacy**

Number of students	Years				
	2019 – 2020	2020 – 2021	2021 – 2022	2022 – 2023	2023 – 2024
EP "Pharmacy"					
Citizens of the Russian Federation	375	369	329	291	252
Foreign citizens, including:	24	66	162	253	262
Students in Russian	24	42	43	77	77
Students in English	-	24	119	176	185

Participation of Volgograd State Medical University Students in Research Activities

Number of students	Years				
	2019	2020	2021	2022	2023
In total, students took part in research work (based on the results of presentations at VolgSMU conferences)	687	820	499	826	768
Of these, international students	8	19	12	26	31
In total, students took part in research work (based on the results of presentations at visiting international, all-Russian and interregional conferences)	214	170	102	178	181
Of these, international students	4	3	0	5	3

Basic disciplines and practices of the BVEP specialist degree in the specialty 33.05.01 Pharmacy

Basic Disciplines and Practices	Year of study/course				Number of credits/hours			Teaching and Learning Methods	Assessment Methods
	1	2	3	4	Lecture	Practical exercises	Labs		
Introduction to the specialty. Circulation of medicines	+				36	36		Explanatory and illustrative, PBL	Testing, assessment of practical skills, interview on test questions, test, report
Chemistry of Biogenic Elements	+				8	72		Explanatory and illustrative, PBL	Testing, assessment of practical skills, interview on test questions, test, report
Medical and Biological Physics	+				36	36		Explanatory and illustrative, PBL	Testing, assessment of the acquisition of practical skills, test, report, essay
Human Anatomy	+				36	36		Explanatory and illustrative, PBL	Testing, Quiz Interview, Quiz, Essay
Organic chemistry	+				76	152		Explanatory and illustrative, PBL	Testing, assessment of practical skills, interview on test questions, test,

									report
Applied Biostatistics	+					40		Explanatory and illustrative, PBL	Testing, assessment of practical skills, interview on test questions, test, report
Physiology	+	+			72	72		Explanatory and illustrative, PBL	Testing, interview on control questions, solving situational problems, assessment of the acquisition of practical skills, test, essay, report
Microbiology	+	+			36	104		Explanatory and illustrative, PBL, RBL	Testing, solving situational problems, interview on control questions, test, essay, report
Analytical Chemistry	+	+			72	144		Explanatory and illustrative, PBL	Testing, assessment of practical skills, interview on test questions, test, report
Physical and Colloidal Chemistry		+			34	100		Explanatory and illustrative, PBL	Testing, assessment of practical skills, interview on test questions, test, report
Medical Biochemistry		+			34	100		Explanatory and illustrative, PBL	Testing, Quiz Interview, Quiz, Essay
Pathology		+			34	100		Explanatory and illustrative, PBL, RBL	Testing, solving situational problems, interviews on control questions, tests,

									assessment of the acquisition of practical skills
Botany		+			34	100		Explanatory and illustrative, PBL	Testing, solving situational problems, test, report, abstract
Life safety	+				20	40		Explanatory and illustrative, simulation, PBL, RBL, CBL,	Testing, interview on control questions, solving situational problems, report, assessment of the acquisition of practical skills, abstract
Hygiene		+			18	36		Explanatory and illustrative, PBL	Testing, solving situational problems, test, report, abstract
Assessment of the functional state of the human body		+			18	36		Explanatory and illustrative, PBL	Testing, solving situational problems, test, report, abstract
Information Technologies in Professional Activity			+		18	76		Explanatory and illustrative, TBL, RBL	Testing, Quiz Interview, Quiz, Essay
Pharmacology		+	+		54	184		Explanatory and illustrative, PBL, RBL	Testing, solving situational problems, assessing the development of practical skills, tests, essays

Economic Theory				+	28	34		Explanatory and illustrative, PBL, RBL, CBL,	Testing, interview on control questions, solving situational problems, test work, report, essay, business game
Clinical Pharmacology				+	36	106		Explanatory and illustrative, PBL, RBL	Testing, interview on control questions, solving situational problems, assessment of the acquisition of practical skills, report, business game, role-playing game
Psychology	+				20	40		Explanatory and illustrative, PBL, RBL, CBL,	Testing, interview on control questions, solving situational problems, report, essay, business game
Molecular biology		+			16	64		Explanatory and illustrative, PBL, RBL, CBL,	Testing, interview on control questions, solving situational problems, test work, report, essay, business game
Physical Training (elective modules)	+	+	+		0	204		Explanatory and illustrative, TBL	Assessment of the acquisition of practical skills, role-playing
Methods of Experimental Study of the Molecular Basis of Drug		+			18	36		Explanatory and illustrative, simulation,	Testing, interview on control questions, solving

Action/Methodology of Preclinical and Clinical Trials of Drugs							PBL, RBL,	situational problems, assessment of the acquisition of practical skills, report,
Fundamentals of R&D and Project Management			+		18	38	Explanatory and illustrative, PBL, RBL, CBL, TBL	Testing, interview on control questions, solving situational problems, assessment of the acquisition of practical skills, test, report, essay, business game, role-playing game
Molecular Regulation of Metabolism and Cell Cycle			+		18	36	Explanatory and illustrative, PBL, RBL, CBL, TBL	Testing, interview on control questions, solving situational problems, assessment of the acquisition of practical skills, test, report, essay, business game, role-playing game
Preclinical Studies of Drug Substances on Various Cell Cultures			+		18	36	Explanatory and illustrative, PBL, RBL, CBL,	Testing, interview on control questions, solving situational problems, report, essay, business game
Artificial Intelligence Systems			+		18	72	Explanatory and illustrative, simulation, PBL, TBL, CBL,	Testing, interview on control questions, assessment of the acquisition of practical skills, business game, role-

									playing game
Physical Education and Sport	+	+	+	+	46	26		Explanatory and illustrative, TBL	Assessment of the acquisition of practical skills, role-playing
Educational Practice (Pharmaceutical Propaedeutic Practice)	+						72	Explanatory and illustrative, PBL, RBL, CBL, TBL	Assessment of the acquisition of practical skills, report
Educational practice (practice in botany)		+					72	Explanatory and illustrative, simulation, PBL, RBL,	Assessment of the acquisition of practical skills, report, abstract
Training Practice (First Aid Practice)			+				72	Explanatory and illustrative, simulation, PBL, RBL,	Assessment of the acquisition of practical skills, report, abstract

ANNEX 2.7

Humanities disciplines of the BVEP specialist in the specialty 33.05.01 Pharmacy

Humanities	Year of study/course	Number of credits/hours	Teaching Methods	Assessment Methods
------------	----------------------	-------------------------	------------------	--------------------

	1	2	3	4	5	Lecture	Practical exercises		
Fundamentals of Russian Statehood	+					18	36	Explanatory and illustrative, PBL	Testing, Quiz Interview, Quiz
Latin	+					0	64	Explanatory and illustrative, simulation, PBL	Quiz, Quiz Interview
Foreign language	+					0	64	Explanatory and illustrative, simulation, PBL	Quiz, Quiz Interview
History of Russia	+					46	78	Explanatory and illustrative, PBL	Testing, Quiz Interview, Quiz
Philosophy	+					18	60	Explanatory and illustrative, PBL	Testing, Quiz Interview, Quiz
Bioethics		+				14	32	Explanatory and illustrative, PBL	Testing, Quiz Interview, Quiz
History of Pharmacy	+					20	40	Explanatory and illustrative, PBL	Testing, Quiz Interview, Quiz

Fundamentals of Countering Terrorism and Its Ideology			+			18	38	Explanatory and illustrative, PBL, TBL, CBL,	Testing, interview on test questions, report, essay, business game
Introduction to Pharmaceutical Terminology	+					0	68	Explanatory and illustrative, PBL	Testing, Quiz Interview, Quiz
Russian Grammar	+	+	+	+	+	0	268	Explanatory and illustrative, PBL	Testing, Quiz Interview, Quiz
Scientific Style of Speech	+	+	+	+	+	0	256	Explanatory and illustrative, PBL, TBL, CBL,	Testing, interview on test questions, report, essay, business game

Profile/clinical disciplines of the BVEP specialist in the specialty 33.05.01 Pharmacy

Specialized/Clinical Disciplines and Practices	Year of Study/Course					Number of Hour Credits			Teaching Methods	Assessment Methods	Learning Base
	1	2	3	4	5	Lecture	Practical exercises	Educational and Practical Training			
Medical and Pharmaceutical Commodity Science			+			18	76		Explanatory and illustrative, PBL	Testing, Quiz Interview, Quiz	Academic building No 5
General Pharmaceutical Chemistry		+	+			54	184		Explanatory and illustrative, PBL	Testing, assessment of practical skills, interview on test questions, test, report	Academic building No 5
Pharmacopoeia Analysis Methods		+	+			54	184		Explanatory and illustrative,	Testing, Quiz Interview,	Scientific Center for Innovative Medicines

									PBL	Quiz	(SCIM)
General Pharmaceutical Technology			+			36	112		Explanatory and illustrative, PBL	Testing, Quiz Interview, Quiz	Scientific Center for Innovative Medicines (SCIM)
Pharmacognosy			+	+		54	182		Explanatory and illustrative, PBL	Testing, Quiz Interview, Quiz	Academic building No 5
Fundamentals of Biotechnology			+	+		36	140		Explanatory and illustrative, PBL	Testing, Quiz Interview, Quiz	Scientific Center for Innovative Medicines (SCIM)
Medicines from natural raw materials				+		34	34		Explanatory and illustrative, PBL	Testing, Quiz Interview, Quiz	Academic building No 5
Pharmaceutical Marketing				+		34	34		Explanatory and illustrative, PBL, RBL, CBL,	Testing, interview on control questions, solving situational problems, assessment	Academic building No 5

										of the acquisition of practical skills, test, report, essay, business game, role-playing game	
Management and Economics of Pharmacy			+	+	+	126	254		Explanatory and illustrative, PBL, RBL, CBL,	Testing, interview on control questions, solving situational problems, test, report, essay, business game, role-playing game	Academic building No 5
Toxicological Chemistry				+		36	106		Explanatory and illustrative, PBL	Testing, assessment of practical skills, interview on test	Academic building No 5 Scientific Center for

										questions, test, report	Innovative Medicines (SCIM)
Pharmaceutical Ecology				+		52	70		Explanatory and illustrative, PBL	Testing, solving situational problems, test, report, abstract	Main Educational and Administrative Building, 1 Fallen Fighters Square
Biopharmacy				+		18	72		Explanatory and illustrative, PBL	Testing, solving situational problems, test, report, abstract	Private Healthcare Institution "KB "RZD- Medicine" Scientific Center for Innovative Medicines (SCIM) Academic building No2
Specialty Pharmaceutical Chemicals				+	+	54	172		Explanatory and	Testing, assessment	Academic

									illustrative, PBL	of practical skills, interview on test questions, test, report	building No 5 Scientific Center for Innovative Medicines (SCIM)
Private Pharmaceutical Technology				+	+	70	138		Explanatory and illustrative, PBL	Testing, assessment of practical skills, interview on test questions, test, report	Scientific Center for Innovative Medicines (SCIM)
Pharmaceutical Awareness					+	34	34		Explanatory and illustrative, PBL	Testing, solving situational problems, test, report, abstract	Private Healthcare Institution "KB "RZD- Medicine" Scientific Center for Innovative Medicines (SCIM)

											Academic building No2
Pharmaceutical Logistics					+	34	34		Explanatory and illustrative, PBL	Testing, solving situational problems, test, report, abstract	Academic building No 5
Legal basis of the pharmacist's activity					+	34	34		Explanatory and illustrative, simulation, PBL, RBL, CBL,	Testing, interview on control questions, solving situational problems, report, assessment of the acquisition of practical skills, abstract	Main Educational and Administrative Building, 1 Fallen Fighters Square
Disaster Medicine					+	18	34		Explanatory and illustrative, simulation, PBL, RBL,	Testing, interview on control questions, solving	Volgograd Regional Clinical Hospital No. 1

									CBL,	situational problems, report, assessment of the acquisition of practical skills, abstract	Federal State Public Institution "413 Military Hospital" of the Ministry of Defense of the Russian Federation
Fundamentals of Drug Design and Chemistry				+		18	72		Explanatory and illustrative, PBL, RBL, CBL,	Testing, interview on control questions, solving situational problems, report, essay, business game	Main Educational and Administrative Building, 1 Fallen Fighters Square
Immunobiological and gene therapy drugs				+		18	34		Explanatory and illustrative, PBL, RBL	Testing, interview on control questions, solving situational problems,	Private Healthcare Institution "KB "RZD-Medicine"

										test work, essay, report	Scientific Center for Innovative Medicines (SCIM) Academic building No2
Modern radiopharmaceuticals				+		18	34		Explanatory and illustrative, PBL, RBL	Testing, interview on control questions, solving situational problems, test work, essay, report	Private Healthcare Institution "KB "RZD- Medicine" Scientific Center for Innovative Medicines (SCIM) Academic building No2
Bioinformatics				+		18	36		Explanatory and illustrative,	Testing, solving situational	Academic building No 5

									PBL, RBL	problems, assessing the development of practical skills, tests, essays	
New Directions of Research and Technologies for the Creation of Antitumor and Antiviral Drugs				+		18	36		Explanatory and illustrative, PBL, RBL	Testing, solving situational problems, assessing the development of practical skills, tests, essays	Academic building No 5
Fundamentals of Forensic Toxicology					+	18	34		Explanatory and illustrative, simulation, PBL, RBL,	Testing, interview on control questions, solving situational problems, assessment of the acquisition	Educational building of VolgSMU No. 3 Clinical base of the Volgograd Regional Bureau of

										of practical skills, report, business game, role-playing game	Forensic Medical Examination
Chemical and toxicological studies in the work of the clinical laboratory					+	18	34		Explanatory and illustrative, simulation, PBL, RBL,	Testing, interview on control questions, solving situational problems, assessment of the acquisition of practical skills, report, business game, role-playing game	Educational building of VolgSMU No. 3 Clinical base of the Volgograd Regional Bureau of Forensic Medical Examination
Educational practice (practice in pharmacognosy)			+					144	Explanatory and illustrative, simulation,	Assessment of the acquisition of practical skills,	Academic building No 5

									PBL, RBL,	report, abstract	
Educational Practice (Practice in General Pharmaceutical Technology)				+				72	Explanatory and illustrative, simulation, PBL, RBL,	Assessment of the acquisition of practical skills, report, abstract	Scientific Center for Innovative Medicines (SCIM)
Internship (Practice in Quality Control of Medicines)					+			72	Explanatory and illustrative, simulation, PBL, RBL,	Assessment of the acquisition of practical skills, report, abstract	Scientific Center for Innovative Medicines (SCIM) Academic building No 5
Internship (Internship in Pharmaceutical Technology)					+			72	Simulation, PBL, CBL,	Assessment of the acquisition of practical skills	
Internship (practice in management and					+			36	Simulation,	Assessment	Academic

economics of pharmaceutical organizations)									PBL, CBL,	of the acquisition of practical skills	building No 5
Internship (Pharmaceutical Consulting and Information Practice)					+			36	Explanatory and illustrative, simulation, PBL, RBL,	Assessment of the acquisition of practical skills, report, abstract	Scientific Center for Innovative Medicines (SCIM)
Internship (research work)					+			180	Explanatory and illustrative, PBL, RBL, CBL, TBL	Assessment of the acquisition of practical skills, report	Scientific Center for Innovative Medicines (SCIM)

**Professional tracks, implemented by the choice of the student
In the senior years of study
elective disciplines of the corresponding orientation of the BVEP specialist in the
specialty 33.05.01 Pharmacy**

Educational program	Professional Track	Essence	Elective Disciplines and the Term of Their Implementation
Undergraduate Programs			
Pharmacy	Control and analytical studies	In-depth training for professional activity as a pharmacist-analyst	Semester 7 Immunobiological and Gene Therapy Drugs Semester 8 Bioinformatics Semester 9 "Production Practice in Quality Control of Medicines: Module on the Basis of the Volgopharm Control and Analytical Laboratory"
	Search and Creation of New Domestic Medicines and Pharmaceutical Safety	In-depth training for professional activity as a researcher at the NCIPS of VolgSMU	Semester 7 "Modern Radiopharmaceuticals" Semester 8 "New Directions of Research and Technologies for the Creation of Antitumor and Antiviral Drugs" Semester 9 "Chemical and Toxicological Studies in the Work of the Clinical Laboratory" Semester 10 "Practical Training, Research Work: Module of the Department of Pharmacology and Bioinformatics in the Laboratories of the National Center for Pharmacology and Bioinformatics"
	Forensics and pharmacokinetic/pharmacogenetic studies	In-depth training for professional activity as an expert chemist of a medical organization	Semester 8 Bioinformatics Semester 9 "Fundamentals of Forensic Toxicology" Semester 10 "Practical Training: Pharmacokinetics Module at the Department of Theoretical Biochemistry with a Clinical Biochemistry Course"

ANNEXES TO STANDARD 3

ANNEX 3.1

Opportunities and conditions for students with disabilities and persons with disabilities.

When a student with disabilities and persons with disabilities submits an application for the creation of special learning conditions for him/her, the assessment tools used to assess their knowledge, skills, skills (work experience) are adapted depending on the category of health disorders, which is reflected in Table 2.

Table 2.

Categories of students	Types of Evaluation Tools	Forms of monitoring and evaluation of learning outcomes
Hearing impaired	Test	predominantly written verification
Visually impaired	Security Question Interview	predominantly oral testing (individually)
With musculoskeletal disorders	Solving Remote Tests, Quizzes	organization of control in the EIEE of the university, written inspection

Such students have more time to prepare answers, and are allowed to prepare answers using distance learning technologies.

When assessing the learning outcomes of persons with disabilities and persons with disabilities, the use of technical means necessary for them in connection with their individual characteristics is envisaged. These funds can be provided by the Volgograd State Medical University of the Ministry of Healthcare of the Russian Federation or their own technical means can be used.

The procedure for assessing the learning outcomes of persons with disabilities and persons with disabilities in discipline and practice provides for the provision of information in forms adapted to the limitations of their health and perception of information:

For the visually impaired:

- in printed form in enlarged font;
- in the form of an electronic document;
- in the form of an audio file;

For the hearing impaired:

- in printed form;
- in the form of an electronic document;

For people with musculoskeletal disorders:

- in printed form;
- in the form of an electronic document;
- in the form of an audio file.

When conducting the procedure for assessing the learning outcomes of persons with disabilities and persons with disabilities in discipline and practice, the following additional requirements are met, depending on the individual characteristics of students:

1. An accessible form of providing instructions on the procedure for conducting the assessment procedure (orally, in writing, orally using the services of a sign language interpreter).
2. Accessible form of providing assessment tools (in printed form, in printed form in enlarged font, in the form of an electronic document, tasks are read out by an assistant, tasks are provided using sign language interpretation).
3. An accessible form of providing answers to tasks (in writing on paper, a set of answers on a computer, using the services of an assistant, orally).

If necessary, for students with disabilities and persons with disabilities, the procedure for assessing the results of training in a discipline or practice can be carried out in several stages. The assessment procedure is allowed using distance learning technologies.

ANNEX 3.2

Opportunities and conditions for students with disabilities and persons with disabilities during the FSC.

A student with disabilities and persons with disabilities must submit a written application no later than 3 months before the start of the FSC on the need to create special conditions for him/her during the certification tests, indicating their individual characteristics. The application must be accompanied by documents confirming the student's individual

characteristics (in the absence of these documents in the VolgSMU of the Ministry of Healthcare of Russia).

When passing the qualification tests, the following general requirements are ensured:

- it is allowed to conduct the FSC for disabled people and persons with disabilities in the same classroom together with students who are not disabled and do not have disabilities, if this does not create difficulties for the disabled/persons with disabilities and other students when passing the FSC;
- At the request of the student, the VolgSMU of the Ministry of Healthcare of the Russian Federation ensures the presence of an assistant from among the university staff or involved specialists, who provides students with the necessary technical assistance, taking into account their individual characteristics (take a workplace, move around, communicate with the chairman and members of the SEC);
- Students are provided with instructions on the procedure for conducting certification tests in a form accessible to them;
- students, taking into account their individual characteristics, can use the necessary technical means in the process of passing the exam;
- Upon the written application of a disabled student, the duration of the exam may be extended in relation to the established duration of the examination:
 - the duration of the written exam is no more than 90 minutes;
 - the duration of the student's preparation for the answer to the GE conducted orally - no more than 20 minutes.
- Students are provided with the opportunity of unhindered access to classrooms, toilets and other premises, as well as their stay in these premises, for which a number of premises of the VolgSMU of the Ministry of Healthcare of Russia were equipped with ramps, elevators, handrails, including in sanitary facilities, illuminated wall signs, signs for the visually impaired.

**Table 4.1 Passing Score for Admission
at the VolgSMU of the Ministry of Healthcare of Russia**

Years	2019 –2020	2020 –2021	2021 –2022	2022 –2023	2023 – 2024
Pharmacy	221	217	151	164	177

Table 4.2 Number of Accepted Students

Years	2019 – 2020	2020 – 2021	2021 – 2022	2022 – 2023	2023 – 2024
Quantity who have submitted applications from among the citizens of the Russian Federation and persons equated to them	11236	15400	14810	17092	16372
Number of enrolled students from among citizens of the Russian Federation and persons equated to them	1014	912	1071	1093	1179
Quantity Applicants from among the citizens of foreign countries	315	518	721	617	654
Number of enrolled students from among citizens of foreign countries	272	407	602	528	516

**Table 4.3 Number of first-year students enrolled and the total number of students enrolled in the BVEP specialty
33.05.01 Pharmacy**

Quantity Students	Years				
	2019 – 2020	2020 – 2021	2021 – 2022	2022 – 2023	2023 – 2024
First Year	113	115	156	153	89
Total	399	435	491	544	514

**Table 4.4 Number of first-year students enrolled and the total number of students expelled from the BRI specialty
33.05.01 Pharmacy**

Quantity Students	Years				
	2019 – 2020	2020 – 2021	2021 – 2022	2022 – 2023	2023 – 2024
First Year	7	16	9	18	11
Total	22	34	45	63	14

Table 4.5 Information on students of the BRI specialist in the specialty 33.05.01 Pharmacy

Categories of students	Academic Year					Total
	1	2	3	4	5	
Expelled	11	2	1			14
Expelled for academic reasons	2					2
Transferred to another NGO			2	1	1	4
Transferred from another NGO		1	1		1	3
Repeat Academic Year						
Re-completion of required clinical rotations or disciplines						
Sabbatical leave	2	2	3			7

Information on students of VolgSMU of the Ministry of Healthcare of Russia (excluding the branch) who receive or have received scholarships of the President of the Russian Federation, the Government of the Russian Federation, personal scholarships, scholarships awarded by legal entities or individuals over the past two years

Item No.	Type of scholarship	Number of recipients	Administrative document that served as the basis for the assignment of the scholarship	Media coverage of scholarships (with links to articles)
1	Scholarship of the President of the Russian Federation for students studying in educational programs corresponding to the priority areas of development of the Russian economy	11 pax	Order of the Chancellor of VolgSMU dated 07/26/2023 No. 1332-KO	"Science is the Future": Students Recognized for Achievements in Research Activities "Vesti. Volgograd": "Students of VolgSMU became the owners of scholarships of the President and the Government of the Russian Federation" origin: Volgograd Medical Students Receive Scholarships from the President and the Government of the Russian Federation Scholarship holders of the President and the Government of VolgSMU on what they have achieved in science A record number of VolgSMU students were awarded a scholarship from the Government and the President of the Russian Federation
2	Scholarship of the Government of the Russian Federation for students of educational programs corresponding to the priority areas of development of the Russian economy	17 pax	Order of the Chancellor of VolgSMU dated 07/26/2023 No. 1333-KO	
3	Scholarship of the President of the Russian Federation	1 pax	Order of the Chancellor of VolgSMU dated 09/20/2023 No. 1560-KO	Scholarship holders of the President and the Government of VolgSMU on what they have achieved in science A record number of VolgSMU students were awarded a scholarship from the Government and the President of the Russian Federation
4	Scholarship of the Government of the Russian Federation	2 pax	Order of the Chancellor of VolgSMU dated 09/20/2023 No. 1561-KO	
5	Research Student Scholarship	17 pax	Order of the Chancellor of VolgSMU dated 09/20/2023 No. 1557-KO	"Science is the Future": Students Recognized for Achievements in Research Activities
6	Scholarship of the Academic Council VolgSMU	6 pax	Order of the Chancellor of VolgSMU dated 12.10.2023 No. 1748-KO	To the attention of VolgSMU students! A competition has been announced for personal scholarships of the Chancellor and the Academic Council
7	Chancellor's Scholarship VolgSMU	8 pax	Order of the Chancellor of VolgSMU dated 12.10.2023	

			No. 1749-KO	Today, VolgSMU honored students who were awarded scholarships of the Chancellor and the Academic Council
8	Scholarship of the Charitable Organization of the Center for Social Programs Foundation	5 pax	Order of the Chancellor of VolgSMU dated 18.10.2023 No. 1785-KO	Five students of VolgSMU became scholarship holders of the En+ Group/RUSAL program Volgograd Students Become Winners of RUSAL Scholarship Programme MTV: 15 Volgograd students became RUSAL scholarship holders
9	Volgograd Hero City Scholarship	12 pax	decision of the Volgograd City Duma dated 07.12.2022 No. 78/1105 (published in the newspaper "City News. Tsaritsyn – Stalingrad – Volgograd" No 141 (2270) dated 13.12.2022)	VolgSMU Students Will Receive a Scholarship of the Hero City of Volgograd 13 students of Volgograd State Medical University will receive a scholarship of the Hero City of Volgograd

Table 5.1 Teaching staff of the departments of humanities of the BVEP specialist in the specialty 33.05.01 Pharmacy

Disciplines/Modules	Full-time							Part-time workers	Number of part-time practitioners with at least 10 years of experience
	Department	Professor	Assistant professor	Senior Lecturer	Teacher/Assistant	Laboratory Technician/Clerk/S	Vacant Rates		
Fundamentals of Russian Statehood		1	1	1	2				
Latin	1		3	1					
Foreign language	2	1	10	2					
History of Russia		1	6			1			
Philosophy			2	1		1		1	
Bioethics	1		3			1			
History of Pharmacy		1	4						
Fundamentals of Countering Terrorism and Its Ideology		1	1						
Introduction to Pharmaceutical Terminology			1	1					
Russian Grammar	1		2			2			
Scientific Style of Speech			5	1		1			

Table 5.2 Teaching staff of the departments of basic disciplines and practices of the BVEP specialist in the specialty 33.05.01 Pharmacy

Disciplines/Modules	Full-time							Part-time workers	Number of part-time practitioners with at least 10 years of experience
	Department	Professor	Assistant professor	Senior Lecturer	Teacher/Assistant	Laboratory Technician/Clerk/S	Vacant Rates		
Introduction to the specialty. Circulation of medicines			1						
Chemistry of Biogenic Elements	1		2	2	1	1			
Medical and Biological Physics	1		2	2					
Human Anatomy			3		1	2			
Organic chemistry	1		4	5		2	1.65		
Applied Biostatistics			1	2		2			
Physiology		4	4	1		2		1	
Microbiology	1	1	4	1	1	2			
Analytical Chemistry	1		3	5	2	2			
Physical and Colloidal Chemistry	1		5	3	1	1			
Medical Biochemistry	1	1	7	1	4	2			
Pathology	1	2	3	1	5	2		2	
Botany	1		3						

Life safety				1	2	2		1	
Hygiene	1	2	5	1	1	2			
Assessment of the functional state of the human body		1	7		2	2		1	
Information Technologies in Professional Activity			6		1	1			
Pharmacology	1	7	11		3	2			
Fundamentals of Economics and Financial Literacy			1			2			1
Clinical Pharmacology		2	3			2		1	1
Psychology			1	2		2			
Molecular biology			3		4	1			
Physical Training (elective modules)			3	3	4	2			
Methods of Experimental Study of the Molecular Basis of Drug Action		1	1						
Methodology of Preclinical and Clinical Trials of Medicinal Products			7						
Fundamentals of R&D and Project Management			2						
Molecular Regulation of Metabolism and Cell Cycle	1	1	1		1	2			

Preclinical Studies of Drug Substances on Various Cell Cultures			1						
Artificial Intelligence Systems		1				2			
Physical Education and Sport		1	2		1	1			
Educational Practice (Pharmaceutical Propaedeutic Practice)			1						
Educational practice (practice in botany)			3						
Training Practice (First Aid Practice)		1	1		1				1

Table 5.3 Teaching staff of the departments of specialized / clinical disciplines and practices of the BVEP specialist in the specialty 33.05.01 Pharmacy

Disciplines/Modules	Full-time							Part-time workers	Number of part-time practitioners with at least 10 years of experience
	Head of the Department	Professor	Assistant professor	Senior Lecturer	Teacher/Assistant	Laboratory Technician/Clerk/S	Vacant Rates		
Medical and Pharmaceutical Commodity Science		1	1		1	1			
General Pharmaceutical Chemistry		1	5		1	2	0.25/0.15		2
Pharmacopoeia Analysis Methods	1		6			2			
General Pharmaceutical Technology	1				4	1	0.5/2.0		
Pharmacognosy	1		1	2	1				
Fundamentals of Biotechnology	1		1		1	1			
Medicines from natural raw materials	1		1	1	1				
Pharmaceutical Marketing	1	1	1		1	1			
Management and Economics of Pharmacy	1	1	3		1	1	0.25	1	
Toxicological Chemistry		1	1						1
Pharmaceutical Ecology	1	2	5	1	1	2			
Biopharmacy			1					1	
Specialty Pharmaceutical Chemicals	1	1	5			1			

Private Pharmaceutical Technology	1				3				
Pharmaceutical Awareness			1						1
Pharmaceutical Logistics	1	1	1		1				
Legal basis of the pharmacist's activity		1	1						
Disaster Medicine				1	1	2		2	1
Fundamentals of Drug Design and Chemistry	1		4	3					
Immunobiological and gene therapy drugs		1	1						
Modern radiopharmaceuticals			2						
Bioinformatics		1				1			1
New Directions of Research and Technologies for the Creation of Antitumor and Antiviral Drugs		5	2						
Fundamentals of Forensic Toxicology			1			2			
Chemical and toxicological studies in the work of the clinical laboratory	1	1			2				
Educational practice (practice in pharmacognosy)	1		2	1	1				
Educational Practice (Practice in General Pharmaceutical Technology)					3				1
Internship (Practice in Quality Control of	1	1	5						3

Medicines)									
Internship (Internship in Pharmaceutical Technology)	1		1		1				
Internship (practice in management and economics of pharmaceutical organizations)	1	1	3		1			1	
Internship (Pharmaceutical Consulting and Information Practice)			1						
Internship (research work)			21					1	7

ANNEX TO STANDARD 6

ANNEX 6.1

Information on the availability of information and communication equipment, as well as special hardware and software from the Information Development Department of VolgSMU as part of monitoring in 2022

Availability of information and communication equipment					Availability of special hardware and software (except for general-purpose software)							
<i>(at the end of the reporting year)</i>					<i>(at the end of the reporting year) Specify the appropriate code for each of the lines: yes – 1; No – 0</i>							
OKEI code: piece – 796					Name of indicators	Line Nos	Altogether	including those used for educational purposes		Line Nos	Availability in the organization	including available for use by students
Name of indicators		altogether		of which are available for use by students in their free time from their main classes								
1	2	3	4	5	1	2	3	4				
Personal Computers – Total	01	2643	2386	326	Educational computer programs for individual subjects or topics, software packages for specialties	01	1	1				
Of these:Laptops and other portable personal computers (except tablets)	02	504	502	0	Computer-Based Testing Programs	02	1	1				
Tablet PCs	03	33	80	0	Virtual Simulators	03	1	1				
Being part of local area networks	04	2642	2386	326	Electronic versions of reference books, encyclopedias, dictionaries, etc.	04	1	1				
who have access to the Internet	05	2642	2386	326	Electronic versions of textbooks for individual subjects or topics	05	1	1				
who have access to the organization's Intranet Portal received in the reporting year	06	2642	2386	326	Special software tools for scientific research	06	1	1				
Electronic terminals (infomats)	07	46	46	0	Electronic Library Systems	07	1	1				
of them with access to Internet resources	08	10			Electronic legal reference systems	08	1	1				
Multimedia Projectors	09	10			Special software tools for solving organizational, managerial and economic problems (excluding automated document management systems)	09	1	X				
Interactive whiteboards	10	73			Electronic Document Management Systems	10	1	1				
Printers	11	29			Internet Access Content Filtering Tools	11	1	X				
Scanners	12	107			Other special software tools	12	1	1				
Multifunctional devices (MFPs performing printing, scanning, copying operations)	13	48			Special Hardware and Software for Teaching Persons with Disabilities and Persons with Disabilities							
Photocopiers	14	576			Braille Dot Printing Devices	13	0	0				
	15	24			Devices for entering information in Braille	14	0	0				
Reference 16.	Maximum Internet Access Speed		(16)	100	Mbps	Video Enlargers	15	0	0			
Reference 17	Total bandwidth of all Internet access channels		(17)	800	Mbps	Non-Visual Information Access Programs	16	0	0			
						Speech Synthesizer Programs	17	0	0			
						Information Playback Devices	20	0	0			
						Other special technical means	21	0	0			
						Other special software tools	22	0	0			

Effectiveness of research and methodological work
Over the past 5 years, the BRI specialist degree in the specialty 33.05.01 Pharmacy

	2019	2020	2021	2022	2023 in 8 months
Monographs	1				1
Collections of scientific papers, conference proceedings	48	37	29	13	15
Articles, theses published in various journals	27	38	30	18	26
Reports of university teachers at conferences:	5	9	9	4	10
International	3	7	8	3	7
Russian					
Regional	2	2	1	1	3
Scientific (scientific and practical) conferences, seminars held by the university	2	2	2	2	1
Number of R&D developments implemented in the educational process				4	
Number of dissertations defended by university staff					
Candidate				2	
Doctoral					

Table 6.1. Characteristics of clinical bases

№	Name of the base/branch and date of conclusion of the contract (<i>if any</i>)	Legal address	Bed capacity (<i>subject to availability</i>)	Name of Clinical Disciplines	Number of training groups or clinical rotations	Number of study rooms/ Audiences
1	Clinic No. 1 of VolgSMU			Training Practice (First Aid Practice)	5 clinical rotations	
2	Clinical Hospital No. 4 from 24.12 2018	400065, Volgograd, Opolchenskaya str., 40		Training Practice (First Aid Practice)	6 clinical rotations	8
3	Volgograd Regional Clinical Hospital No. 3 from 13/02/2018	4000001, Volgograd, Tsiolkovsky str., 1		Training Practice (First Aid Practice)	6 clinical rotations	11

Table 6.2. Characteristics of production bases

№	Types, names of practices	Year of study						How the internship is distributed in the semester (in parallel with the study of disciplines/separately, in separate terms)	Production base	Position of the head of the practice base
		1	2	3	4	5	6			
1	Educational Practice (Pharmaceutical Propaedeutic Practice)	+						In parallel with the study of disciplines (distributed practice)	Simulation Pharmacy of VolgSMU, Volgofarm, Vega LLC, Centravr LLC, Jupiter LLC (Vita pharmacy chain), Zdravcity e-pharmacy, Staraya Sarepta Historical, Ethnographic and Architectural Museum-Reserve	Associate Professor of the Department of Clinical Pharmacology and Intensive Care Knyazeva Y.S.
2	Educational		+					In parallel with the study of	VolgSMU Simulation Pharmacy with	Staff of the Department of

	practice (practice in botany)						disciplines (distributed practice)	Excursion Routes, Volgograd Regional Botanical Garden	Pharmacognosy and Botany: Associate Professors Zemlyanskaya I.V., Sorokina E.V., Ostanina M.V.
3	Educational practice (practice in pharmacognosy)			+			In parallel with the study of disciplines (distributed practice)	Simulation pharmacy of VolgSMU	Staff of the Chair of Pharmacognosy and Botany: Associate Professors Yanitskaya A.V., Zemlyanskaya I.V., Ostanina M.V., Senior Lecturer Nedilko O.V., Assistant Professor Sargsyan I.K.
4	Educational Practice (Practice in General Pharmaceutical Technology)				+		In parallel with the study of disciplines (distributed practice)	Simulation pharmacy of VolgSMU	Staff of the Department of Pharmaceutical Technology and Biotechnology: Head of the Department. Strusovskaya O.G., assistants Zaitseva E.V., Rytchenkov S.V.
5	Internship (Practice in Quality Control of Medicines)					+	In parallel with the study of disciplines (distributed practice)	Volgograd Branch of the Institute of Catalysis of the Siberian Branch of the Russian Academy of Sciences, Volgogpharm, Simulation Pharmacy of VolgSMU, SCIM VolgSMU	Staff of the Department of Pharmaceutical and Toxicological Chemistry: Head of the Department, Prof. Ozerov A.A., Prof. Novikov M.S., Associate Professors Solodunova G.N., Paramonova M.P., Gureeva E.S., Pokrovskaya Yu.S. Bazhina A.A.
6	Internship (Internship in Pharmaceutical Technology)					+	separately, in separate periods, concentrated	VO SUE "Volgofarm", Simulation Pharmacy of VolgSMU, Municipal Unitary Enterprise Pharmacy "Flora", State Budgetary Healthcare Institution "All-Russian Clinical Hospital No. 1"	Staff of the Department of Pharmaceutical Technology and Biotechnology: Head of Department. Strusovskaya O.G., assistants Zaitseva E.V., Rytchenkov S.V.

7	Internship (practice in management and economics of pharmaceutical organizations)					+		separately, in separate periods, concentrated	VO SUE "Volgofarm", Simulation Pharmacy of VolgSMU, Vega LLC, Centravr LLC, Jupiter LLC (Vita pharmacy chain), FC Grand Capital Volgograd LLC, Maksavit Management Company LLC, Individual Entrepreneur Golovko M.A., IE. Polonenkova I.A., LLC "Melzdrav", LLC "Cetus"	Staff of the Department of Management and Economics of Pharmacy, Medical and Pharmaceutical Commodity Science: Head of the Department. Ganicheva L.M., Prof. Vetyutneva N.A., Ass. Leontyeva E.K.,
8	Internship (Pharmaceutical Consulting and Information Practice)					+		separately, in separate periods, concentrated	VO SUE "Volgofarm", Simulation Pharmacy of VolgSMU, Vega LLC, Centravr LLC, Jupiter LLC, Maksavit Management Company LLC, Individual Entrepreneur Golovko M.A., IE. Polonenkova I.A., LLC "Melzdrav", LLC "Cetus"	Staff of the Department of Clinical Pharmacology and Intensive Care: Assoc. Levina Y.V.
9	Internship (research work)					+		separately, in separate periods, concentrated	Laboratories of the National Center for Laboratory Studies of Volgograd State Medical University, scientific laboratories of the departments of Volgograd State Medical University	Part-time and staff of the Department of Pharmacognosy and Botany: Head of the Department. Yanitskaya A.V., Associate Professors Zemlyanskaya I.V., Babkov D.A., Gurova N.A., Litvinov R.A., Maltsev D.V., Sirotenko V.S., Kucheryavenko A.F., Kalitin K.Yu., Taran A.S., Vetyutneva N.A., Vyshemirskaya E.V., Rogov V.A., Ganicheva L.M., Zakharova M.G., Leontyeva E.K., Pletneva I.V., Ozerov A.A., Smirnova L.A., Strusovskaya O.G., Fedotkina S.N., Tyurenkov I.N.

Table 6.4.1. The main directions of scientific research of the NGO (educational organization) within the framework of the educational program

Name of the topic of scientific projects/programs	Customer and source of financing	Name of the head	Deadlines	Co-implementing organizations, including foreign ones	Number of local (country) publications	Number of publications in the near and far abroad	Number of copyright certificates, pre-patents, patents, other titles of protection	Number of implemented scientific and technical developments
Development and Clinical and Laboratory Evaluation of the Effectiveness of a New Adhesive in the Treatment of Patients with Complete Removable Lamellar Prosthesis	Foundation for the Promotion of Innovation	Zodorov Rasul Ibrahim	08.2022–08.2023	-	2	-	Application for Invention №	-
"Development of Transdermal Therapeutic System Technology for the Treatment of	Foundation for the Promotion of Innovation	Salman Mustafa Abdulkarim Salman	12.2023-12.2024	-	-	-	-	-

Musculoskeletal Pathology"	n							
Development of a Photosensitizing Gel Based on Furocoumarin Derivatives Obtained by Biotechnological Method	Wiseacre	Yarkovoy M.A.	10.2022-10.2023					
Development of a technology for obtaining a biodegradable membrane for insulating postoperative sutures	Wiseacre	Rytchenkov SV	10.2022-10.2023					
Dental gel for the prevention and treatment of inflammatory periodontal diseases		Strusovskaya O.G.					Patent № 2785103	
Composition for isolation of intestinal anastomosis and		Strusovskaya O.G., Rytchenkov					Patent №2796007	

prevention of postoperative adhesions		S.V.						
Improvement of Drug Supply to the Population on the Basis of Marketing Research of the Regional Pharmaceutical Market	Initiative research	Ganicheva L.M. Vetyutneva N.A.	2019 - 2024	-	59	52	-	-
Wild and cultivated medicinal plants of the Lower Volga region	Initiative	Yanitskaya Aleftina Vladimirovna	Wild and cultivated medicinal plants of the Lower Volga region	Initiative	Yanitskaya Aleftina Vladimirovna	Wild and cultivated medicinal plants of the Lower Volga region	Initiative	Yanitskaya Aleftina Vladimirovna
Wild and cultivated medicinal plants of the Lower Volga region	Initiative	Yanitskaya Aleftina Vladimirovna	Wild and cultivated medicinal plants of the Lower Volga region	Initiative	Yanitskaya Aleftina Vladimirovna	Wild and cultivated medicinal plants of the Lower Volga region	Initiative	Yanitskaya Aleftina Vladimirovna

Species Composition and Structure of Myxomycete Communities of Different Biocenoses of Arid Regions	Initiative	Zemlyanskaya Inna Vladimirovna	Species Composition and Structure of Myxomycete Communities of Different Biocenoses of Arid Regions	Initiative	Zemlyanskaya Inna Vladimirovna	Species Composition and Structure of Myxomycete Communities of Different Biocenoses of Arid Regions	Initiative	Zemlyanskaya Inna Vladimirovna
Species Composition and Structure of Myxomycete Communities of Different Biocenoses of Arid Regions	Initiative	Zemlyanskaya Inna Vladimirovna	Species Composition and Structure of Myxomycete Communities of Different Biocenoses of Arid Regions	Initiative	Zemlyanskaya Inna Vladimirovna	Species Composition and Structure of Myxomycete Communities of Different Biocenoses of Arid Regions	Initiative	Zemlyanskaya Inna Vladimirovna
Study of the variability of licorice	grant from the Russian	Nedilko O.V.	Study of the variability	grant from the Russian Foundation	Nedilko O.V.	Study of the variability of licorice	grant from the Russian Foundation for	Nedilko O.V.

(Glycyrrhiza glabra L.) by morphological, biochemical and resource characteristics in the natural conditions of the Volgograd region	Foundation for Basic Research, completed in 2020		of licorice (Glycyrrhiza glabra L.) by morphological, biochemical and resource characteristics in the natural conditions of the Volgograd region	for Basic Research, completed in 2020		(Glycyrrhiza glabra L.) by morphological, biochemical and resource characteristics in the natural conditions of the Volgograd region	Basic Research, completed in 2020	
--	--	--	--	---------------------------------------	--	--	-----------------------------------	--

Table 6.4.2. Information about students currently enrolled in scientific research

Name of scientific projects/research	Student participation (number)	Articles published (quantity)	Participation in local, international conferences/presentations (quantity)
Wild and cultivated medicinal plants of the Lower Volga region	18	22	9
Improvement of Drug Supply	5	6	4

to the Population on the Basis of Marketing Research of the Regional Pharmaceutical Market			
---	--	--	--

**Information on collegial governing bodies
VolgSMU of the Ministry of Healthcare of Russia
(with references)**

Name of the collegial body	Link to the main tab (subject to availability)	Supporting documents (plan, report, etc.) and/or articles on the activities of the collegial management body	Internal regulations of the university, regulating the activities of the collegial management body
Scientific Council of VolgSMU of the Ministry of Healthcare of Russia	https://www.volgmed.ru/university/academic-council/obshchaya-informatsiya/	Work plan of the Academic Council of VolgSMU for the 2023-2024 academic year Agendas of meetings of the Academic Council for the 2022-2023 academic year	Charter of the VolgSMU of the Ministry of Healthcare of the Russian Federation (see paragraphs 7.14, 7.17-7.29) Regulations of the Academic Council of VolgSMU
Academic Council of the Faculty of Pharmacy	https://www.volgmed.ru/education/faculties/farmatsevticheskiy-fakultet/faylovyy-menedzher/28597/	Report on the work of the Academic Council of the Pharmaceutical Faculty for 2022-2023 Council Work Plan for 2023-2024	Regulations on the Academic Council of the Faculty and Institute Instruction for planning the work of the Academic Council of the faculty, institute Annotation of the regulations of the activities of the Academic Council of the faculty, institute
EMC of the Faculty of Pharmacy (including the Commission's Working Group on Quality)	https://www.volgmed.ru/education/faculties/farmatsevticheskiy-fakultet/faylovyy-menedzher/28595/	Report on the work of the EMC for 2022-2023 WCU Work Plan for 2023-2024	Regulations on the Educational and Methodological Commission of the Faculty, Institute Instruction on the work of the educational and methodological commission of the faculty, institute Annotation of the regulations of the WCU of the faculty, institute Order dated 08/29/2023 No. 1419-KO "On approval of the composition of the teaching materials of the faculties, the

			Institute of Health of VolgSMU"
--	--	--	---

ANNEX 7.2

Reflection of the implementation of the quality assurance policy in the documentation of departments, collegial governing bodies of the university, as well as the final (reporting) documentation of the VolgSMU of the Ministry of Healthcare of Russia (with links to supporting documents)

№	Name of the direction of the East Caucasus	Cathedral Level	Institut/ Faculty Level	University-wide level	Final (reporting) documents
1	Monitoring the quality of the admission campaign	Mandatory consideration at the departmental meetings of the issues related to the discussion of the academic performance and attendance of students, including first-year students, (for first-year departments)	Mandatory consideration of the issue of the characteristics of the admission of students of the first year of study according to the work plan of the academic council of the faculty/institute (Question 4 of Session 1 of the Indicative Work Plan) <i>Specific examples of confirmation:</i> Minutes of the meeting of the Academic Council of the Faculty of Pediatrics (question 4); Minutes of the meeting of the Academic Council of the Faculty of Dentistry (question 4)	Submission to the Chancellor's Office and (or) the Academic Council of a report on the work of the Admissions Committee and the results of the admission of students to the VolgSMU and its branch educational programs, as well as the results of admission of foreign citizens to the educational programs of the university, approval of the rules of admission according to the work plan of the rector's office, the work plan of the Academic Council <i>Specific examples of confirmation:</i> Extract dated 18.01.2023 On admission of foreign citizens;	Self-examination reports for 2019, 2020, 2021, 2022 (at the beginning of each report, the work of the admission company for the reporting year is highlighted; for each implemented BRI, an analysis of the dynamics of admission figures and competition by year in the context of 3 years is given; the share of students who successfully completed training from the total number of admissions is also shown) <i>Specific examples of confirmation:</i> Report on the results of the self-examination of VolgSMU for 2022 - see information on pp. 11-13 – on the work of the Admissions Committee; p. 55-56 – for the specialty 31.05.01 General Medicine; p. 69-70 – for the specialty 31.05.03 Dentistry; p. 81-82 – for the specialty 31.05.02 Pediatrics; p. 97-98 – for the specialty 33.05.01 Pharmacy

				report of the Vice-Chancellor for Educational Activities at the Academic Council of VolgSMU dated 05/17/2023 on the issue of improving educational activities in the 2022/2023 academic year (pp. 41-42, 65-67)	
2	Monitoring the Quality of Mastering Basic Professional Educational Programs by Students	<p>Mandatory consideration at departmental meetings of issues related to the discussion of students' academic performance and attendance, analysis of the results of intermediate attestation and (or) the State Final Examination (for specialized departments of the faculty/IPH)</p> <p><i>Specific examples of confirmation:</i></p> <p>Minutes / extracts from the minutes of the meetings of the departments</p> <p>Therapeutic Dentistry No. 3 dated 27.10.22, No. 11 dated 20.04.23; Surgical Dentistry and Dental Surgery No. 8 dated 22.04.2023, No. 4 dated 23.12.2022, No. 5 dated 23.01.2023, No. 2 dated 17.10.2022;</p> <p>Surgical Dentistry and Dental Surgery No. 10 dated 29.06.2023; Therapeutic Dentistry dated 26.06.2023 No. 13;</p>	<p>Mandatory consideration of issues on summing up the results of the winter/summer test and examination session, the results of internships, analysis of the current academic performance and attendance of students; discussion of the results of the State Final Examination and (or) initial accreditation of graduates, etc. according to the work plan of the Academic Council of the faculty/institute (Question 3 of Session 1, Question 2 of Session 2, Question 2 of Session 3, Question 1 of Session 4, Question 3 of Meeting 5, etc. (i.e., an indicative work plan))</p> <p><i>Specific examples of confirmation:</i></p> <p>minutes of the meeting of the Academic Council of the Faculty of Dentistry (question 2);</p> <p>minutes of the meeting of the Academic Council of the Faculty of Pediatrics (question</p>	<p>Mandatory consideration of the results of the summer and winter examination sessions, educational and industrial practices of students, the results of the state final certification of graduates in accordance with the work plan of the rector's office</p>	<p>Reports on the results of self-examination for 2019, 2020, 2021, 2022 (for each implemented BRI, an analysis of the internal system for assessing the quality of education is provided, including the reflection of the results of intermediate certification of students; it is also contained, subject to implementation, general data on the results of initial accreditation; summary data on students' research activities in the context of 3 years)</p> <p><i>Specific examples of confirmation:</i></p> <p>Report on the results of the self-examination of VolgSMU for 2022 - see information on p. 58-63 – for the specialty 31.05.01 General Medicine;</p> <p>p. 73-75 – for the specialty 31.05.03 Dentistry;</p> <p>p. 84-88 – for the specialty 31.05.02 Pediatrics;</p> <p>p. 100-104 – for the specialty 33.05.01 Pharmacy</p>

		Specialized Hygienic Disciplines of the Institute of Health	3); Extract from the minutes of the meeting of the Academic Council of the Faculty of Pediatrics		
3	Monitoring the quality of the main professional educational programs (including the assessment of resource provision, conditions for the implementation of educational activities)	Obligatory consideration at the departmental meetings of issues on the readiness of the department for the beginning of the academic year, discussion of the issue of making additions and changes to the components of the implemented educational and methodological complexes in disciplines/practices within the framework of annual updating, etc. <i>Specific examples of confirmation:</i> Work plan of the Department of Faculty Surgery	Mandatory consideration of issues related to the compliance of the actual conditions for the implementation of educational programs at the faculty/institute with the requirements of the Federal State Educational Standard; discussion of the results of the self-examination of the departments of the faculty/institute and the departments of the university, teaching students of the faculty/institute for a calendar year, as well as the measures taken to eliminate the identified comments according to the work plan of the academic council of the faculty/institute (Question 1 of Session 3, Question 1 of Session 5, etc.) (i.e., an indicative work plan) Mandatory consideration of issues related to the completeness and condition of educational and methodological complexes of departments involved in the implementation of educational programs, compliance with	Annual Updating of Educational Programs of Secondary Vocational and Higher Education Implemented at FSBEI HE Volgograd State Medical University of the Ministry of Healthcare of Russia, during the meeting of the Academic Council of Volgograd State Medical University according to the work plan of the Academic Council	Reports on the results of the self-examination for 2019, 2020, 2021, 2022 (for each implemented BRI, an analysis of the material and technical base for conducting educational activities is provided) <i>Specific examples of confirmation:</i> Report on the results of the self-examination of VolgSMU for 2022 - see information on p. 58 – for the specialty 31.05.01 General Medicine; p. 72 – for the specialty 31.05.03 Dentistry; p. 84 – for the specialty 31.05.02 Pediatrics; p. 100 – for the specialty 33.05.01 Pharmacy

			<p>the norms of the documented procedure, their updating, etc., according to the plan of the meeting of the teaching materials of the faculty/institute (Question 3 of Session 1, Question 3 of Session 3, Question 3 of Meeting 5, etc.) (i.e., an indicative work plan)</p> <p><i>Specific examples of confirmation:</i> minutes / extracts from the minutes of the meetings of the Academic Council of the Faculty of Pediatrics; EMC of the Faculty of Dentistry; EMC of the Faculty of Medicine and Biology</p>		
4	Monitoring the quality of the work of teachers	<ul style="list-style-type: none"> Mandatory consideration of issues related to the analysis of the implementation of curricula by teachers, scientific and methodological work of the teaching staff of the departments at the departmental meetings; the results of mutual attendance of practical classes, lectures; measures aimed at improving the quality of teaching disciplines/practices implemented by the department; discussion of the PRS of teachers; giving 	<p>Mandatory consideration of issues related to elections to vacant positions; discussion of the results of the rating of the faculty/institute staff for the calendar year and proposals for changes in the criteria for evaluating the work of university teachers in accordance with the work plan of the academic council of the faculty/institute (Question 7 of Session 1, Question 4 of Meeting 6, etc.) (i.e., an indicative work plan) Documents of attestation commissions of faculties, institutes on the compliance of</p>	<p>Nomination to the academic title of associate professor, professor, election to the positions of deans, heads of departments (with hearing reports for the fifth anniversary of the work of the dean, head of the department) at the academic council of VolgSMU according to the work plan of the academic council</p> <p><i>Specific examples of confirmation:</i> On the meeting of the Academic Council List of documents for</p>	<p>Reports on the results of the self-examination for 2019, 2020, 2021, 2022 (for each implemented BRI, an analysis of staffing is provided; summary data within the framework of the research work of the teaching staff of the departments participating in the implementation of the educational program are also indicated)</p> <p><i>Specific examples of confirmation:</i> Report on the results of the self-examination of VolgSMU for 2022 - see information on pp. 56-57, 61 – for the specialty 31.05.01 General Medicine; p. 70-72, 74-75 – for the specialty 31.05.03 Dentistry; pp. 82-83, 87 – for specialty 31.05.02 Pediatrics; pp. 98-99, 103 – for specialty 33.05.01</p>

		<p>recommendations to teachers for certification, etc. <i>Specific examples of confirmation:</i> Minutes / extracts from the minutes of the meetings of the departments general hygiene and ecology; Surgical Dentistry and CLH dated 23.12.2022 No. 4; Therapeutic Dentistry dated 26.06.2023 No. 13</p>	<p>employees with the position held <i>Specific examples of confirmation:</i> minutes / extracts from the minutes of the meetings of the Academic Council of the Faculty of Pediatrics; Academic Council of the Faculty of Medicine and Biology; of the Academic Council of the Institute of Health</p>	<p>awarding an academic title On the meeting of the Academic Council Management Agenda 12.10.2022 On Personnel Appointments</p>	<p>Pharmacy</p>
5	<p>Monitoring of the satisfaction of participants in relations in the field of education with the quality and conditions of educational activities</p>	<p>Obligatory consideration of issues related to the analysis of satisfaction of students and teaching staff of departments with the educational process at departmental meetings <i>Specific examples of confirmation:</i> Minutes / extracts from the minutes of the meetings of the departments Surgical Dentistry and Dental Surgery No. 1 dated 28.08.2022; Therapeutic Dentistry dated 22.09.2022 No. 2; Children's Diseases of the Faculty of Pediatrics; paediatric infectious diseases; specialized hygienic disciplines of the Institute of Health; disaster medicine; general hygiene and</p>	<p>Mandatory consideration of issues related to the analysis of satisfaction of students, teaching staff of departments with the educational process according to the work plan of the academic council of the faculty/institute (Question 5, 6 of Session 1, Question 2 of Meeting 4, etc.) <i>(i.e., an indicative work plan)</i> <i>Specific examples of confirmation:</i> minutes / extracts from the minutes of the meetings of the Academic Council of the Faculty of Pediatrics; Academic Council of the Faculty of Pharmacy; Academic Council of the Faculty of Dentistry, Academic Council Faculty of Pediatrics</p>	<p>Presentation to the rector's office of the results of monitoring students' satisfaction with the quality of educational activities in disciplines (modules)/practices for the educational programs being implemented in accordance with the work plan of the rectorate <i>Specific examples of confirmation:</i> Reports and presentations on the results of monitoring students' satisfaction with the quality of educational activities</p>	<p>Reports on the results of self-examination for 2019, 2020, 2021, 2022 (for each implemented BRI, monitoring of the quality of educational activities by the main participants in relations in the field of education is provided) <i>Specific examples of confirmation:</i> Report on the results of the self-examination of VolgSMU for 2022 - see information on p. 63-65 – for the specialty 31.05.01 General Medicine; p. 75-78 – for the specialty 31.05.03 Dentistry; p. 88-91 – for the specialty 31.05.02 Pediatrics; p. 104-106 – for the specialty 33.05.01 Pharmacy</p>

		ecology; physical culture and health; Department of Management and Economics of Pharmacy, Medical and Pharmaceutical Commodity Science			
6	Monitoring of the EIEE of VolgSMU	<p>Consideration of issues related to the work of employees at the EIEE of VolgSMU at the Departmental Meetings</p> <p><i>Specific examples of confirmation:</i> Minutes of the meeting of the department Therapeutic Dentistry from 01.12.2022</p>	<p>Mandatory consideration of issues related to the completeness and condition of educational and methodological complexes of departments involved in the implementation of educational programs, including the degree of their representation at the EIEP; on the analysis of the readiness of the departments for the winter and summer test and examination sessions of the academic year (completeness and correctness of filling the folders in the EIEE of the university with the necessary materials), etc., according to the plan of the meeting of the teaching materials of the faculty/institute (Question 1 of Meeting 1, Question 1 of Meeting 2, Question 1 of Meeting 4, etc.) (i.e., an indicative work plan)</p> <p><i>Specific examples of confirmation:</i> Minutes / extracts from the minutes of meetings EMC of the Faculty of Medicine and Biology</p>	<p>Consideration of issues related to the development of the digital educational environment of VolgSMU at the rectorate and (or) the academic council of the university</p> <p><i>Specific examples of confirmation:</i> report of the Vice-Chancellor for Educational Activities at the Academic Council of VolgSMU dated 05/17/2023 on the issue of improving educational activities in the 2022/2023 academic year (pp. 14-19)</p>	<p>Reports on the results of the audit of the quality of the organization of educational activities of the departments by faculties, IOS in the autumn and spring semesters of the academic year</p> <p>Memos on the results of the audit of the organization of educational activities of the departments at the EIP of VolgSMU in the autumn/spring semester of the academic year to the deans of the faculties, the director of the IOH, the vice-rector for educational activities on behalf of the head of the UOP</p> <p>Memos with attached reports on the results of the audit of the organization, conduct and documentary support of the educational activities of the departments of the faculty/institute in terms of conducting intermediate certification of students in the winter/summer test and examination session on behalf of the head of the UOP</p> <p><i>Specific examples of confirmation:</i> Memo to the Dean of the Faculty of Dentistry on the results of the audit of the organization of educational activities of the departments at the EIP of VolgSMU in the spring semester of the 2022-2023 academic year</p> <p>Memo to the Dean of the Faculty of Dentistry with an attached report on the results of the audit of the organization, conduct and documentary support of the educational activities of the departments of the Faculty of Dentistry in terms of conducting intermediate</p>

					certification of students in the winter test and examination session of the 2022-2023 academic year
7	Monitoring the employment of graduates and their professional achievements	<p>Consideration at the meetings of specialized departments of issues on the nomination of graduates recommended for scientific work and further postgraduate training</p> <p><i>Specific examples of confirmation:</i></p> <p>Minutes / extracts from the minutes of the meetings of the departments pharmacology and bioinformatics; Pharmacognosy and Botany</p>	<p>Discussion of issues related to the quality of training of graduates and their subsequent employment at the meetings of the Academic Council of the faculty/institute, including the analysis of feedback received from employers; discussion of graduates in order to receive recommendations for further education, etc.</p> <p><i>Specific examples of confirmation:</i></p> <p>Minutes of the meeting EMC of the Faculty of Medicine and Biology; Assessment of the employer's satisfaction with the quality of graduates' training; Letter from the Chairman of the Health Committee of the Volgograd Region; Letter from the employer of the State Autonomous Healthcare Institution of the KSP No. 12; Employer's Letter No. 3</p>	<p>Consideration by the Academic Council and (or) the Chancellorate of the University of issues related to the recommendations of graduates for scientific work and further postgraduate education, as well as monitoring the employment of graduates and their professional achievements</p> <p><i>Specific examples of confirmation:</i></p> <p>On the meeting of the Academic Council; Extract dated 14.12.2022 On clinical work; report of the Vice-Chancellor for Educational Activities at the Academic Council of VolgSMU dated 05/17/2023 on the issue of improving educational activities in the 2022/2023 academic year (p. 88)</p>	<p>Reports on the results of self-examination for 2019, 2020, 2021, 2022 (for each implemented BRI, the results of monitoring satisfaction with the quality of training for professional activities of VolgSMU graduates by employers are given, as well as employers' recommendations for improving the training of specialists)</p> <p><i>Specific examples of confirmation:</i></p> <p>Report on the results of the self-examination of VolgSMU for 2022 - see information on p. 65 – for the specialty 31.05.01 General Medicine; p. 77-78 – for the specialty 31.05.03 Dentistry; p. 90-91 – for the specialty 31.05.02 Pediatrics; p. 106-107 – for the specialty 33.05.01 Pharmacy</p>

Information on the specifics of the preparation and conduct of the state final certification and (or) primary accreditation of graduates of the BVEP specialist in the specialty 33.05.01 Pharmacy of the Volgograd State Medical University of the Ministry of Healthcare of Russia, including subsequent analysis of the results (with links to supporting documents)

№	Name of specialty/ Fields of study	Preparation Program for the State Final Certification (updated edition) for 2024 graduates	Evaluation Fund for State Final Certification (updated edition) for 2024 graduates	Materials on Initial Accreditation of Specialists (tab link)	Consideration by the academic councils of faculties, institutes of health and (or) departments of issues related to the quality of preparation of graduates for the State Final Examination and (or) primary accreditation, analysis of the main results of the State Final Examination, etc.	Report of the State Examination Commission on the specialty/ about the quality of training for graduates in 2023
4	33.05.01 Pharmacy	The program of preparation for the state final certification is a specialist in Pharmacy, specialization (profile) Pharmacy, for students of 2019, 2020, 2021, 2022, 2023 years of admission	Fund of Assessment Tools for Conducting Current and Intermediate Certification of Students in Internships – Specialist Pharmacy, Specialization (profile) Pharmacy, for students of 2019, 2020, 2021, 2022, 2023 years of admission	Accreditation Commission for the specialty "Pharmacy"	Report on the work of the Academic Council of the Pharmaceutical Faculty for 2022-2023: Minutes No. 2 dated 27.11.2022 (questions 2, 5); Minutes No. 4 dated 22.12.2022 (question 3); Minutes No. 6 dated 02/16/2023 (question 3)	SEC Pharmacy Report 2023