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MINISTRY OF SCIENCE AND HIGHER EDUCATION OF THE RUSSIAN FEDERATION

Federal State Autonomous Educational Institution of Higher Education

"NORTH CAUCASUS FEDERAL UNIVERSITY"

APPROVED BY

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WORK PROGRAM OF EDUCATION

By field of training	11.03.02 Infocommunication Technologies and Communication Systems
Profile	<u>"Intelligent Data Processing in Infocommunication Systems and Networks"</u>
Form of study	full-time
Year of start of training	2026

Stavropol, 2026

TABLE OF CONTENTS

EXPLANATORY NOTE

1. THE PURPOSE AND OBJECTIVES OF EDUCATION ACCORDING TO THE EDUCATIONAL PROGRAM

2. EDUCATION PROGRAM IN THE STRUCTURE OF THE EDUCATIONAL PROGRAM

3. CONTENT OF THE EDUCATIONAL PROGRAM

3.1. List of planned results of the development of the educational program, correlated with the planned results of the development of the educational program

3.2. Assessment of the development of the educational program by students according to the basic educational program

4. CALENDAR PLAN OF EDUCATIONAL WORK IN THE DEVELOPMENT OF THE EDUCATIONAL PROGRAM

5. LIST OF RESOURCES NECESSARY FOR THE IMPLEMENTATION OF THE EDUCATIONAL PROCESS

5.1. Resource support for the implementation of the Upbringing Program

5.2. Regulatory support

5.3. Staffing

5.4. Financial support

5.5. Information support

5.6. Scientific and methodological and educational support

5.7. Material and technical support

6. INFRASTRUCTURE OF NCFU THAT ENSURES THE IMPLEMENTATION OF THE WORK PROGRAM OF EDUCATION

6.1. Socio-cultural space

6.2. Network interaction with organizations, social institutions and subjects of education

6.3. Socio-cultural space. Network interaction with organizations, social institutions and subjects of education

6.4. Socio-cultural space

6.5. Network interaction with organizations, social institutions and subjects of education

EXPLANATORY NOTE

The Education Program at the Federal State Autonomous Educational Institution of Higher Education "North Caucasus Federal University" (hereinafter referred to as the Education Program at NCFU) is a value-normative, methodological, methodological, and technological basis for organizing educational activities at the university.

The educational program and the calendar plan of educational work have been developed taking into account modern trends and new requirements for the state youth policy, their implementation is focused on building an educational trajectory, taking into account a modular approach to the process of organizing educational activities.

The educational program under the educational program is developed on the basis of the current regulatory framework and taking into account the requirements of the Federal State Educational Standard in the field of training 11.03.02 Infocommunication Technologies and Communication Systems.

1. THE PURPOSE AND OBJECTIVES OF EDUCATION ACCORDING TO THE EDUCATIONAL PROGRAM

The purpose of the program is to ensure the personal development of students on the basis of basic social values, which is manifested in:

- the development of a positive attitude to social values, i.e. the development of their socially significant relations;*
- acquisition of experience of behavior corresponding to these values, experience of applying the formed knowledge and relations in practice, acquisition of experience in the implementation of socially significant affairs;*
- formation of social and personal qualities of bachelors: purposefulness, organization, diligence, responsibility, citizenship, communication, tolerance, improvement of their general culture.*

Objectives of the program:

- development of a worldview and actualization of the system of basic values of the individual;
- familiarization of students with universal norms of morality, national foundations and academic traditions;
- fostering respect for the law, the norms of collective life, the development of civil and social responsibility;
- fostering a culture of interethnic communication among young people;
- prevention of the manifestation of national and religious extremism and national intolerance in the student environment;
- increasing the level of the culture of safe behavior;
- formation of a culture of interaction between Cossack societies and associations of the region and student associations of NCFU and involvement of the Cossacks in creative activities aimed at strengthening unity, harmonization of interethnic relations, prevention of extremism and prevention of conflicts on national and religious grounds in the youth environment of NCFU;
- development of a system of social support for students;
- fostering a culture of financial literacy, developing a system for protecting social rights and providing social guarantees for students belonging to the privileged category;
- fostering a positive attitude to work, fostering socially significant purposefulness and responsibility in business relations;
- ensuring the development of the personality and its socio-psychological support, the formation of personal qualities necessary for effective professional activity;
- identification and support of talented youth, the formation of organizational skills, creative potential, the involvement of students in the processes of self-development and self-realization;
- formation of a culture and ethics of professional communication;
- education of the inner need of the individual for a healthy lifestyle, responsible attitude to the natural and socio-cultural environment;
- development of personal qualities and attitudes (responsibility, discipline, self-management), social skills (emotional intelligence, orientation in the information space, speed of adaptation, communication; ability to work in a team) and managerial abilities (skills to make decisions in conditions of uncertainty and change, time management, leadership, critical thinking).

The educational program is developed in accordance with:

- the Constitution of the Russian Federation;
- Federal Law of 29.12.2012 No 273-FZ "On Education in the Russian Federation";
- NCFU Charter;
- Federal State Educational Standard of Higher Education in the field of training 11.03.02 Infocommunication Technologies and Communication Systems.
- The Education Program in the Federal State Autonomous Educational Institution of Higher Education "North Caucasus Federal University" (APPROVED BY the decision of the Academic Council of NCFU, protocol No 14 of 05/27/2021)

– The Development Program of the Federal State Autonomous Educational Institution of Higher Education "North Caucasus Federal University" for 2012–2021", APPROVED BY the Decree of the Government of the Russian Federation dated 18.07.2015 No 1403-r "On Amendments to the Development Program of the Federal State Autonomous Educational Institution of Higher Professional Education "North Caucasus Federal University" for 2012–2021, APPROVED BY the Decree of the Government of the Russian Federation dated May 28, 2012 No 854-r" in terms of fulfilling the task of forming a high-quality contingent of students and the NCFU priority project "Formation of a Competitive Personality";

– other regulatory legal acts of the university in the field of education and educational policy.

2. EDUCATION PROGRAM IN THE STRUCTURE OF THE EDUCATIONAL PROGRAM

The Work Program of Education and the Calendar Plan of Educational Work are part of the Basic Professional Educational Program (hereinafter referred to as the BRI), developed and implemented in accordance with the current Federal State Educational Standard (hereinafter referred to as the Federal State Educational Standard).

The work program of education as part of the basic educational programs (BRI) implemented by the HE (developed for the period of implementation of the educational program and determines a set of key characteristics of the system of educational work of the HE (principles, methodological approaches, goal, objectives, directions, forms, means and methods of education, planned results, etc.)).

3. CONTENT OF THE EDUCATIONAL PROGRAM

3.1. List of planned results of the development of the educational program, correlated with the planned results of the development of the educational program

In accordance with the main goals, objectives, principles of education, the directions of educational activities implemented at the university are combined and divided into four Modules (or Blocks), which are included at all levels of educational and extracurricular work: at lectures, seminars, industrial practice, in the work of curators with students, in the activities of student public organizations, etc.

The constituent components of the Modules (or Blocks), the implementation of which ensures the formation and development of professional and supra-professional competencies provided for by the Federal State Educational Standards of Higher Education, are presented in Table 1.

Table 1

Components of Modules

Module 1	Module 2	Module 3	Module 4	Module 5
Citizenship, morality, patriotism	Civil Law Culture	Personal growth	Professional and labor culture	Professionalism
Formation of citizenship and a sense of patriotism; Moral and ethical education and development of the personality; Spiritual and moral values; Cultural and aesthetic education;	Formation of a worldview and a system of fundamental values: universal, civic, professional, determining the attitude of young people to a rapidly changing world; civic and patriotic education and legal education;	Formation of a career trajectory of students and building a trajectory of personal development; formation of needs and creation of conditions for personal and professional success of students (self-management); formation of tactical and strategic	Meta-skills; labor education, professional formation and education of a future specialist; formation of constructive thinking skills; formation of the need for concentration of spiritual, emotional, physical, mental strength and energy,	Professional adaptation to employment, increasing career guidance and professional motivation; environmental, critical and reflective thinking; maintaining a resource state

Family and domestic education; Physical and sports education and personal development; Formation of the need for a healthy lifestyle; Volunteering and volunteering; development of student self-government.	formation of information culture and information security; environmental education and the formation of environmental thinking; intercultural interaction.	thinking (for student activists); training of students and acquaintance with the forecast of the development of the labor market (professions of the future); acquaintance with the professions of the future and NTI markets.	internal balance and self-confidence to solve tasks (resource state); formation of teamwork skills, team building; project activities of students and project management; development of social and personal competencies (teamwork, leadership, emotional intelligence, etc.); ecological thinking.	
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As a result of mastering the work program of education in the direction of training 11.03.02 Infocommunication Technologies and Communication Systems, students form the following competencies:

Module	Emerging competencies
1. Citizenship, morality, patriotism	UK-5. Able to perceive the intercultural diversity of society in socio-historical, ethical and philosophical contexts; UK-10. Is able to form an intolerant attitude to manifestations of extremism, terrorism, corrupt behavior and counteract them in professional activities.
2. Civil law culture	UK-4. Is able to carry out business communication in oral and written forms in the state language of the Russian Federation and a foreign language(s); UK-5. Able to perceive the intercultural diversity of society in socio-historical, ethical and philosophical contexts; UK-10. Is able to form an intolerant attitude to manifestations of extremism, terrorism, corrupt behavior and counteract them in professional activities; OPK-3. Able to apply methods of search, storage, processing, analysis and presentation of information from various sources and databases in the required format, while observing the basic requirements of information security; OPK-4. Able to understand the principles of modern information technologies and use them to solve problems of professional activity.
3. Personal growth	UK-2. Is able to determine the range of tasks within the framework of the goal and choose the best ways to solve them, based on the current legal norms, available resources and restrictions; UK-3. Able to carry out social interaction and realize his role in the team; UK-6. Is able to manage his time, build and implement a trajectory of self-development based on the principles of lifelong learning;

	UK-7. Is able to maintain the proper level of physical fitness to ensure full-fledged social and professional activities; 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 threat and occurrence of emergencies and military conflicts; OPK-1. Able to use the provisions, laws and methods of natural sciences and mathematics to solve problems of engineering activities;
4. Professional and labor culture	UK-1. Able to search, critically analyze and synthesize information, apply a systematic approach to solving problems; UK-9. Able to make informed economic decisions in various areas of life; OPK-1. Able to use the provisions, laws and methods of natural sciences and mathematics to solve problems of engineering activities; OPK-2. Is able to independently conduct experimental research and use the basic methods of processing and presenting the data obtained; OPK-3. Able to apply methods of search, storage, processing, analysis and presentation of information from various sources and databases in the required format, while observing the basic requirements of information security; OPK-4. Able to understand the principles of modern information technologies and use them to solve problems of professional activity; OPK-5. Able to develop algorithms and computer programs suitable for practical application
1. Professionalism	UK-6. Is able to manage his time, build and implement a trajectory of self-development based on the principles of lifelong learning; OPK-2. Able to independently conduct experimental research and use the basic methods of processing and presenting the data obtained

№	Module	Course, semester	Academic discipline	Competency Being Formed	Planned results of the development of the educational program within the framework of the Upbringing Program
1.	Citizenship, morality, patriotism	1,1 1,1-2 1,1	Philosophy History Jurisprudence	UK-5. Able to perceive the intercultural diversity of society in socio-historical, ethical and philosophical contexts; UK-10. Is able to form an intolerant attitude to manifestations of extremism, terrorism, corrupt behavior and counteract them in professional activities	The student has ideas about the historical diversity of cultures and civilizations, types and forms of cultural and social life, about the place of national civilization in the world historical and cultural process. Is able to perceive and have ideas about political relations and processes, understands the role and importance of political systems in the life of society, is able to analyze the modern political situation. Is familiar with the legal norms that ensure the fight against manifestations of extremism, terrorism in various areas of life, understands the essence of corrupt behavior and its relationship with social, economic, political and other conditions. Plans, organizes and conducts activities aimed at preventing manifestations of terrorism, extremism, corruption risks in professional activities, excludes inducement to corruption offenses. Observes the rules of public interaction on the basis of intolerance to manifestations of terrorism, extremism, corruption and counteracts them in professional activities.
2.	Civil Law Culture	1,1 1,1-2 1,1 1,1-2 1,1 1,1-2 1,2	Foreign Language Communicative aspects of professional activity Philosophy History Jurisprudence Introduction to Information Technology Introductory practice Information	UK-4. Is able to carry out business communication in oral and written forms in the state language of the Russian Federation and a foreign language(s); UK-5. Able to perceive the intercultural diversity of society in socio-historical, ethical and philosophical contexts; UK-10. Able to form an intolerant attitude to manifestations of extremism,	The student, based on legal norms and available resources and restrictions, is able to determine the range of tasks within the framework of the goal and choose the best ways to solve them. Is able to carry out social interaction and fulfill his role in the team. He has a developed legal consciousness, knows the rights and freedoms of the individual and citizen, the basics of the Russian legal system and legislation. He has a natural-scientific and humanistic worldview, has ideas about the scientific, philosophical, artistic pictures of the universe and the place of man in it. Is able to cooperate, take part in the work of the team, support team decisions, strengthen and strengthen the "team" spirit, plan and coordinate his and the actions of the "team" to achieve the goal. Is familiar with the legal norms that ensure the fight against manifestations of extremism, terrorism in various areas of life,

		1,1-2 2,3-4 2,3-4 3,5	Technologies in Telecommunications Compulsory general professional disciplines in the field of training	terrorism, corrupt behavior and counteract them in professional activities; OPK-3. Able to apply methods of searching, storing, processing, analyzing and presenting information from various sources and databases in the required format, while observing the basic requirements of information security; OPK-4. Able to understand the principles of modern information technologies and use them to solve problems of professional activity	understands the essence of corrupt behavior and its relationship with social, economic, political and other conditions. Plans, organizes and conducts activities aimed at preventing manifestations of terrorism, extremism, corruption risks in professional activities, excludes inducement to corruption offenses. Observes the rules of public interaction on the basis of intolerance to manifestations of terrorism, extremism, corruption and counteracts them in professional activities.
3.	Personal growth	1,1-2 1,1-2 1,1 1,2 1,1-2	Modern professional skills: critical thinking, creativity, communication, teamwork Introduction to Information Technology Introduction to the Specialty Introductory practice Physical Culture and Sports	UK-2. Is able to determine the range of tasks within the framework of the goal and choose the best ways to solve them, based on the current legal norms, available resources and restrictions; UK-3. Able to carry out social interaction and realize his role in the team; UK-6. Is able to manage his time, build and implement a trajectory of self-development based on the principles of lifelong learning; UK-7. Is able to maintain the proper level of physical fitness	Is able to manage his time, build and implement a trajectory of self-development in professional and public life. Is ready to fully manage his own resources in social and professional activities. Is able to interact with participants in professional relations as part of the implementation of professional activities. Able to carry out professional activities on the basis of special scientific knowledge. He has a high level of self-organization, shows interest and activity, constantly strives for self-assertion and self-realization. He is able to revise his own positions in the context of the development of science and changing social practice. Capable of professional development and improvement, self-education throughout life. Knows the basics of physical education, chooses health-saving technologies to maintain the proper level of physical fitness, taking into account the physiological characteristics of the body and the conditions for the implementation of social and professional activities.

		1,1-2 2,3-4 3,5-6 2,3 1,1-2, 2,3 2,3-4 3,5	Elective Disciplines in Physical Culture and Sports Life safety Mathematical and natural sciences Compulsory general professional disciplines in the field of training	to ensure full-fledged social and professional activities; 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 threat and occurrence of emergencies and military conflicts; OPK-1. Able to use the provisions, laws and methods of natural sciences and mathematics to solve problems of engineering activity;	Plans his working and free time for the optimal combination of physical and mental load and ensuring efficiency in professional activities. Observes and promotes the norms of a healthy lifestyle in various life situations and in professional activities. Knows the causes, signs and consequences of dangers, ways to protect against emergencies; the basics of life safety, rescue service phones. Is able to identify the signs, causes and conditions of emergencies; assess the likelihood of potential danger to the student and take measures to prevent it in an educational institution; provide first aid in emergency situations. Possesses methods for predicting the occurrence of dangerous or emergency situations; skills for maintaining safe living conditions.
4.	Professional and labor culture	1,1 1,1-2 1,1 1,2 1,1-2, 2,3 2,3-4 3,5	Philosophy History Jurisprudence Fundamentals of Financial Literacy and Economic Culture Mathematical and natural sciences Compulsory general professional disciplines in the field of training	UK-1. Able to search, critically analyze and synthesize information, apply a systematic approach to solving problems; UK-9. Able to make informed economic decisions in various areas of life; OPK-1. Able to use the provisions, laws and methods of natural sciences and mathematics to solve problems of engineering activities;	He is able to carry out search, critical analysis, and synthesis of information, to apply a systematic approach to solving problems. Is able to monitor and evaluate the formation of the results of his/her professional activity, identify and correct difficulties in work. Is able to use psychological and pedagogical technologies in professional activities necessary for the individualization of activities. He has knowledge of the laws of economic life of modern society, the problems of the functioning of economic systems, the value foundations of economic and labor activity, and is able to analyze the main economic events. Capable of project activities based on a systematic approach. He is able to realize social responsibility for the impact and result of his work on nature and society, the ecological safety of the environment.

		1,1-2 1,2 1,1-2 2,3-4	Introduction to Information Technology Introductory practice Information Technologies in Telecommunications	OPK-2. Is able to independently conduct experimental research and use the basic methods of processing and presenting the data obtained; OPK-3. Able to apply methods of search, storage, processing, analysis and presentation of information from various sources and databases in the required format, while observing the basic requirements of information security; OPK-4. Able to use modern computer technologies for the preparation of textual and design and technological documentation, taking into account the requirements of regulatory documentation; OPK-5. Able to develop algorithms and computer programs suitable for practical application	
5.	Professionalism	1,1-2 1,1 3,6	Project activities Introduction to the Specialty Operational Practices	UK-6. Is able to manage his time, build and implement a trajectory of self-development based on the principles of lifelong learning;	Sets personal and professional goals in accordance with the level of his/her resources and priorities for action, for successful development in the chosen field of professional activity; Implements and adjusts the strategy of personal and professional development, taking into account the conditions, means, personal capabilities, stages of career growth, the time perspective of the development of activities and the requirements of the labor market; Critically evaluates the effectiveness of the use of time and other

		1,1-2	Physics		resources in solving tasks in the chosen field of professional activity.
		2,3	Physical Foundations of Telecommunications		
		2,3	Element base of radio-electronic equipment		
		2,4	Theory of Electrical and Radio Engineering Circuits	OPK-2. Able to independently conduct experimental research and use the basic methods of processing and presenting the data obtained	Understands the principles of modern information technologies and software, including domestic production.
		2,4			And it uses modern information technologies and software, including domestic production, when solving problems of professional activity.
		3,5	Fundamentals of the Theory of Electromagnetic Fields and Waves		
		3,5	Theory of Electrical Communication		
		1,2	Digital Signal Processing Introductory practice		

3.2. Assessment of the development of the educational program by students according to the basic educational program

Entrance control is the diagnosis of students' abilities and interests (testing, questionnaires, sociometry, surveys).

Current control is pedagogical observation in the process of holding events, pedagogical analysis of creative works, events of students, organized in the selected format, the formation and analysis of the student's portfolio; placement of the portfolio in the electronic educational environment of the university.

№	Module	Competencies	Planned activities
1	Citizenship, morality, patriotism	UK-5. Able to perceive the intercultural diversity of society in socio-historical, ethical and philosophical contexts; UK-10. Is able to form an intolerant attitude to manifestations of extremism, terrorism, corrupt behavior and counteract them in professional activities.	1. Initiation into students 2. Participation in the "Soldier's Envelope" Campaign 3. Organization of an exhibition of students' creative works "Modern morality" 4. "Rope courses" for first-year students 5. Participation in the All-Russian competition "My Country – My Russia" 6. All-Russian Social Advertising Competition "Time to Decide" 7. Festival-competition of patriotic song "Soldier's Envelope" 8. Musical and poetic evenings of the club "Inspiration" 9. Youth Festival of Cultures of the Peoples of the North Caucasus Federal District "House of Friendship" 10. Curatorial hours on the topic: "Extremism in modern society" 11. Organization of students' participation in volunteer actions
2	Civil Law Culture	UK-4. Is able to carry out business communication in oral and written forms in the state language of the Russian Federation and a foreign language(s); UK-5. Able to perceive the intercultural	1. "Holiday of Knowledge" 2. Festival "Hello! We are looking for talents!" 3. "Maslenitsa" (folk student festivities) 4. Festival "Student Spring" 5. Contests of festive wall newspapers for calendar dates 6. Competition "The Best Headman"

		diversity of society in socio-historical, ethical and philosophical contexts; UK-10. Is able to form an intolerant attitude to manifestations of extremism, terrorism, corrupt behavior and counteract them in professional activities; OPK-3. Able to apply methods of search, storage, processing, analysis and presentation of information from various sources and databases in the required format, while observing the basic requirements of information security; OPK-4. Able to understand the principles of modern information technologies and use them to solve problems of professional activity	7. School of Trade Union Activists of the North Caucasus Federal University 8. Round table with representatives of the Ministry of Internal Affairs of the Stavropol Territory 9. Curatorial hours on the topic: "The Constitution of the Russian Federation"
3	Personal growth	UK-2. Is able to determine the range of tasks within the framework of the goal and choose the best ways to solve them, based on the current legal norms, available resources and restrictions; UK-3. Able to carry out social interaction and realize his role in the team; UK-6. Is able to manage his time, build and implement a trajectory of self-development based on the principles of lifelong learning;	1. School of Student Activists for First-Year Students "PROdvizhenie" 2. Interregional Camp of Student Self-Government and Personal Development "Vector" 3. All-Russian competition "Student Leader" 4. International Certification Olympiad "Trajectory of the Future" 5. Annual contest of beauty, sports and artistic skills "Miss and Mister NCFU" 6. Shooting competitions "YarMak" 7. Competition for the best academic group of the 1st year "Launch" 8. Competition "Chronicles of Student Families"

		UK-7. Is able to maintain the proper level of physical fitness to ensure full-fledged social and professional activities; 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 threat and occurrence of emergencies and military conflicts; OPK-1. Able to use the provisions, laws and methods of natural sciences and mathematics to solve problems of engineering activities	9. Round table with the NCFU Medical Center 10. Annual Esports Tournament
4	Professional and labor culture	UK-1. Able to search, critically analyze and synthesize information, apply a systematic approach to solving problems; UK-9. Able to make informed economic decisions in various areas of life; OPK-1. Able to use the provisions, laws and methods of natural sciences and mathematics to solve problems of engineering activities; OPK-2. Is able to independently conduct experimental research and use the basic methods of processing and presenting the data obtained;	1. Youth Festival "Mashuk"; 2. Student Staffing Program – K-Labs 3. Participation in the open festival of intellectual games "Crossroads" 4. Participation in the All-Russian student competition "Your Move".

		OPK-3. Able to apply methods of search, storage, processing, analysis and presentation of information from various sources and databases in the required format, while observing the basic requirements of information security; OPK-4. Able to use modern computer technologies for the preparation of textual and design and technological documentation, taking into account the requirements of regulatory documentation; OPK-5. Able to develop algorithms and computer programs suitable for practical application	
5	Professionalism	UK-6. Is able to manage his time, build and implement a trajectory of self-development based on the principles of lifelong learning; OPK-2. Able to independently conduct experimental research and use the basic methods of processing and presenting the data obtained	1. Gala graduation parties for specialties and directions; 2. Hackathon on Artificial Intelligence; 3. Participation in the All-Russian Mobility Program 4. Participation in the UMNIK program of the Russian Federation and the Stavropol Territory 5. All-Russian competition of student works of the project "Professional Internships 2.0" 6. Digital Breakthrough Competition 7. Case Solving Championship Case Room "Grani" 8. IT Career Days Interuniversity Championship "Young Professionals"

4. CALENDAR PLAN OF EDUCATIONAL WORK IN THE DEVELOPMENT OF

THE EDUCATIONAL PROGRAM

The schedule is presented in Appendix 1.

5. LIST OF RESOURCES NECESSARY FOR THE IMPLEMENTATION OF THE EDUCATIONAL PROCESS

5.1. Resource support for the implementation of the Upbringing Program

Resource support, which makes it possible to fully implement the Education Program at NCFU and the content of educational activities, includes the following types: regulatory and legal support; staffing; financial support; information support; scientific and methodological and educational support; material and technical support.

Regulatory support

Regulatory support for the work program of education of the educational program in the direction is the Program of Education in the Federal State Autonomous Educational Institution of Higher Education "North Caucasus Federal University" (APPROVED BY the decision of the Academic Council of NCFU, protocol No 14 of 05/27/2021).

5.2. Staffing

The key component of the structure of the educational system is the personnel potential of educational activities at the university, which includes teachers, workers of culture and art, employees of the sports community, professional psychologists and teachers, leaders and managers, organizers.

Coordination, organization and implementation of the educational program for EP
at the level of the institute – deputy director of the institute for educational work;
at the level of the department - heads of the department, deputy heads of departments for educational work / responsible for educational work in the department;
at the level of the academic group – curators of academic groups (1-2 years), deputy heads of departments for educational work / responsible for educational work in the department (in academic groups older than 2 years).

Student self-government bodies (the Council of NCFU Students, the Trade Union Committee of NCFU Students and Postgraduates) at all levels take part in the implementation of the Education Program at NCFU.

5.3. Financial support

The education program is implemented through the purposeful conduct of cultural, physical education, sports, and health work with students and applies equally to all students, regardless of the sources of funding for educational programs.

Financial support for the implementation of the educational program in the direction of 11.03.02 Infocommunication Technologies and Communication Systems in terms of financing costs is formed taking into account the requirements of federal regulations and local acts of the university.

5.4. Information support

The content of information support as a type of resource support for the implementation of the work program of education includes:

- informing students, teachers and staff of the graduating department about planned and past educational activities and events on the official website of the university – in the sections "Student Life News", "Student Events of the Graduating Department", etc., as well as on pages in social networks;
- other information – NCFU announcements, NCFU announcements.

5.5. Scientific and methodological and educational support

The content of the scientific and methodological support of the educational program under the educational program "Infocommunication Technologies and Communication Systems" is represented by educational and methodological manuals and recommendations for the organization of educational work with students.

5.6. Material and technical support

The content of material and technical support as a type of resource support for the implementation of the work program of education includes:

1. Educational and classroom fund for conducting training sessions, equipped with multimedia and specialized equipment, technical training aids, visual aids, simulation technological equipment;
2. Rooms for independent work of students, equipped with computer equipment with the ability to connect to the Internet and providing access to the electronic information and educational environment of NCFU;
3. Library fund of printed publications, electronic educational resources, professional databases, information and reference systems;
4. Unhindered access, specialized portable equipment adapted to health restrictions, special needs of students with disabilities and persons with disabilities;
5. Material and technical base and resources of partner organizations, employers, representatives of the professional community.

6. INFRASTRUCTURE OF NCFU THAT ENSURES THE IMPLEMENTATION OF THE WORK PROGRAM OF EDUCATION

6.1. Socio-cultural space. Network interaction with organizations, social institutions and subjects of education

The infrastructure of NCFU that ensures the implementation of the Education Program includes:

- educational space (classrooms, computer classes, training laboratories, specialized classrooms, computer and language laboratories, gypsum workshop);
- scientific and educational centers (RECs);
- Problem Research Laboratories (SRL);
- research laboratories;
- support services (transport, communication, catering service, etc.).

On the territory of NCFU there are a number of sports facilities, namely: a gymnastics sports hall, a game sports hall, a gym, a wrestling sports hall, a sports hall for physical therapy, a swimming pool, and the Burevestnik stadium.

Also, in the buildings of the university there are: concert halls, a museum of archaeology, a scientific and educational center "Museum of Regional Literature and Literary Local History", a geological museum, a zoological museum, a museum of NCFU, a museum center.

In addition, the university has named centers: the Ilchenko Integrated Center for Training and Innovation in the Field of Energy Efficiency, the Territory of Mutual Understanding interactive platform, the Boiling Point of the North Caucasus Federal University collective work space, the Young Professionals Specialized Competence Center for the Electronics competency, the Resource Training and Methodological Center for Training People with Disabilities and Persons with Disabilities, and the the GranIT Innovation Center, the Center for Linguistic Expertise and Testing in the Russian Language, the Center for Psychological Support of Personal and Professional Development, the Mass Media Center, the Technical Means of Customs Control Training Laboratory, the Center for Business Games, the Tir Laboratory, the Youth Center for Innovative Technologies of Territorial Design, the Scientific and Educational Center for Customs and Logistics Service, the Service Technologies Training Laboratory, a forensic training ground,

a forensic laboratory, a courtroom training room, the Ecoanalytical Laboratory scientific and educational laboratory, the Electro and Baromembrane Technologies international research laboratory, the Virtual Worlds educational center, the Robotic Systems educational and scientific laboratory, ensuring the implementation of the Education Program.

The university provides ample opportunities for the effective self-realization of students:

- through the activities of student and youth associations, creative teams and sports sections;
- through the development of infrastructure for student design and modeling;
- through harmonious integration into existing practices of innovative forms of educational work.

Strengthening of event educational activities at the university contributes to the creation of a socio-cultural environment that allows the formation of a corporate culture, the implementation of innovative directions and forms of educational work with young people, focused on the maximum number of students involved in the extracurricular process and educational activities, through effective, methodologically sound and coordinated joint work of the administrative structures of the University and student self-government bodies, building a trajectory of partnerships based on mutual cooperation.

6.2.Socio-cultural space

As a socio-cultural space as a space developed by society for the spread of a certain area of culture, used in the education of NCFU students, there are: the Stavropol Palace of Culture and Sports, the Palace of Children's Creativity, the Stavropol State Historical, Cultural and Natural Landscape Museum-Reserve named after G.N. Prozritelev and G.K. Prave, the Stavropol Regional Museum of Fine Arts, the Museum and Exhibition Complex "Russia - My History", the Art Gallery of landscapes of the Honored Artist of Russia P.M. Grechishkin, Art Gallery "Parshin", Museum of the History of the Cossacks, monuments, historical and architectural objects (temples), Stavropol Academic Order of the Badge of Honor Theater named after M.Y. Lermontov, Cinema "SALYUT", Cinema Park Cosmos, Cinema "Etazhi", Stavropol Scientific Library named after M.Y. Lermontov, Central Library of the Stavropol Central Library System, Stavropol Swimming Pool "Yunost", Sports and Recreation Building of NCFU, ice the Victoria skating rink, the Stavropol Arena ice rink, the Dynamo stadium, the Spartak Sports Complex, etc., which has a certain level of involvement of students in active public relations.

6.3. Network interaction with organizations, social institutions and subjects of education

The purpose of network interaction of NCFU with social partners is conscious and successful personal self-determination and self-realization of students and graduates of the university in accordance with their individual inclinations, capabilities and needs, as well as the objective situation in the labor market; expanding the opportunities for students to build individual educational routes and activate their cognitive interests to achieve successful personal results, including through participation in innovative projects.

List of social partners:

1) at the federal level: autonomous non-profit organization "Russia is a country of opportunities"; Federal Agency for Youth Affairs; All-Russian public organization "Russian Union of Youth"; Association of Student Sports Clubs of Russia; All-Russian Public Youth Movement "Association of Students and Student Associations of Russia"; Russian Student Sports Union.

2) at the regional level: the Department for Youth Policy of the Government of the Stavropol Territory; the Committee for Culture and Youth Policy of the Administration of the City of Stavropol; other public organizations and associations.

The volume of implementation of event activities (academic disciplines and educational activities)

Level	Course											
	1			2			3			4		
Bachelor's degree	Module 1 – 40% Module 2 – 30% Module 3 – 20% Module 4 – 10%	At least 32 events, including		Module 1 – 30% Module 2 – 30% Module 3 – 20% Module 4 – 20%	At least 28 events, including		Module 1 – 25% Module 2 – 25% Module 3 – 25% Module 4 – 25%	At least 24 events, including		Module 1 – 20% Module 2 – 20% Module 3 – 30% Module 4 – 20% Module 5 -10 %	At least 20 events, including	
		Educational Discipline (quantity)	Events of the schedule (number)		Educational Discipline (quantity)	Events of the schedule (number)		Educational Discipline (quantity)	Events of the schedule (number)		Educational Discipline (quantity)	Events of the schedule (number)
25	32	11	28	6	24	1	20					