



MINISTRY OF SCIENCE AND HIGHER EDUCATION OF THE RUSSIAN FEDERATION

FEDERAL STATE BUDGETARY EDUCATIONAL INSTITUTION OF HIGHER EDUCATION "DON STATE TECHNICAL UNIVERSITY"

(DSTU)

ACCEPTED

at meeting of the University Academic Council of "19" 06 2023 № 11.

APPROVED

Rector B.Ch. Meskhi "19" 06 2023

stamp registration number 03.17-16.2-211

DESCRIPTION

The main professional educational program of higher education

Aircraft maintenance

(The direction (profile) of the educational program is indicated)

25.04.01 Technical operation of aircraft and aircraft engines

(Name of the degree program (specialisation, profile))

Full-time

Form of study (full-time, part-time, extramural)

2023

year of admission

Agreed:

Employer's representative Rostvertol PJSC Head of Production and Dispatching Department

P.A. Kolesnikov (signature, stamp)

19 06 2023

Agreed:

Employer's representative ZAO Shakhtinskiy aircraft repair plant DOSAAF Chief engineer

S.B. Milkis (signature, stamp)

19 06 2023

Rostov-on-Don

2023

Document signed by simple electronic signature Information to the owner: FIO: Meski Besik Chokoevich Position: Rector Date of signing: 14.09.2024 Unique program key: a709f3afe0a33d7245d2706566f876


List of approval of the main professional educational program of higher education

The main professional educational program of higher education in the direction of training 25.04.01 Technical operation of aircraft and aircraft engines (profile 'Aircraft maintenance') was developed by the department 'Technical operation of aircraft and ground equipment'.

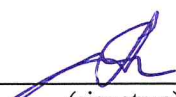
The reviews of the representatives of the relevant companies are on file with the graduation department.

**DEGREE PROGRAM DEVELOPERS:**

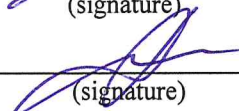
Program leader

  
\_\_\_\_\_  
(signature) S.N. Shevtsov

Head of the department "Technical operation of aircraft and ground equipment:

  
\_\_\_\_\_  
(signature) A.S. Reshenkin

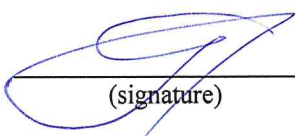
Chairperson of the Scientific Methodological Council for Enlarged Groups of Educational Areas

  
\_\_\_\_\_  
(signature) A.S. Reshenkin

Approved by the Council of the Faculty

'Aircraft Engineering'  
(name)

Dean

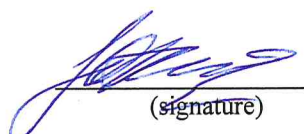
  
\_\_\_\_\_  
(signature) O.V. Zimovnov

**AGREED:**


Vice-Rector for AIA

  
\_\_\_\_\_  
(signature) A.N. Beskopylnyy

Chairperson of the Student Council of DSTU

  
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(signature) T.V. Yurakova

Head of Academic Policy Department

  
\_\_\_\_\_  
(signature) S.V. Nosachev

## **CONTENT**

Summary of the main professional educational program of higher education in the field of education	4
1 CHARACTERISTICS OF THE MAIN PROFESSIONAL EDUCATIONAL PROGRAM OF HIGHER EDUCATION	6
2 CHARACTERISTICS OF GRADUATES PROFESSIONAL ACTIVITY	7
3 EXPECTED RESULTS OF MASTERING THE MAIN PROFESSIONAL EDUCATIONAL PROGRAM OF HIGHER EDUCATION	9
4 REQUIREMENTS FOR THE STRUCTURE OF THE EDUCATIONAL PROGRAM	10
5 DOCUMENTS REGULATING THE CONTENT AND ORGANIZATION OF THE EDUCATIONAL PROCESS IN THE IMPLEMENTATION OF THE EDUCATIONAL PROGRAM	11
6 RESOURCE SUPPORT OF THE EDUCATIONAL PROGRAM	12
7 CHARACTERISTICS OF THE SOCIO-CULTURAL ENVIRONMENT OF THE UNIVERSITY, ENSURING THE DEVELOPMENT OF STUDENTS UNIVERSAL COMPETENCIES STUDENTS	15
8 FEATURES OF THE ORGANIZATION OF THE EDUCATIONAL PROCESS FOR PEOPLE WITH DISABILITIES	18
9 REQUIREMENTS FOR THE APPLIED MECHANISMS FOR ASSESSING THE QUALITY OF EDUCATIONAL ACTIVITIES AND TRAINING OF STUDENTS IN THE EDUCATIONAL PROGRAM	19

**SUMMARY**  
**OF THE MAIN PROFESSIONAL EDUCATIONAL PROGRAM OF HIGHER**  
**EDUCATION IN THE FIELD OF EDUCATION**

**Level of education** – Master’s degree

**Degree program profile:**

Aircraft maintenance

***Title and code of the broad field of education:***

25.00.00 Air navigation and operation of aviation and rocket and space technology

***Degree program:***

25.04.01 Technical operation of aircraft and aircraft engines

**Workload (ECTS) - 120 credit units**

**Duration and mode of study according to the degree program** – full-time study is 2 years.

**Qualification (degree)** – ‘Master’ in the field of training 25.04.01 ‘Technical operation of aircraft and aircraft engines’

**Degree program description** – The construction of modern airports, domestic medium-haul airliners, and an increase in the fleet of aircraft requires an increase in the number of highly qualified engineering personnel in the field of aviation flight support. The graduate of the program solves problems in the field of ground technical operation of aviation equipment, including pre-flight training of aircraft and engineering and technical support of aircraft flights. Specialists in this field are in demand at every airport, as well as in aircraft (helicopter) manufacturing associations, aircraft repair plants and airlines, whose management guarantees the employment of graduates in highly paid positions corresponding to the field of training, as well as in related fields of professional activity. In addition to theoretical knowledge in the field of technical operation of aviation equipment, students study the organization of airport activities, which significantly expands their competence in the professional field and increases their competitiveness. When mastering the program, students receive practical skills at the enterprises of the key partners of the program (Rostvertol PJSC, C7 ENGINEERING LLC, etc.), as well as at airports in cities of Southern Russia (Sochi, Anapa, Krasnodar, Rostov-on-Don, Gelendzhik) and at Moscow airports (Sheremetyevo, Domodedovo). The practical training, the planning and organization of which provides coverage of most of the listed enterprises, allows each graduate to make a choice about the place of the upcoming work and coordinate employment issues (with the solution of related issues: position, salary, housing, etc.) with the management of the selected enterprise.

**Type(s) of professional activity(s):**

- organizational and managerial;
- scientific research.

**Strategic partners of the program (employers):**

- C7 ENGINEERING LLC;
- CJSC Shakhty Aviation Repair Plant DOSAAF;
- Rostvertol PJSC;
- JSC ‘Rostov Civil Aviation Plant № 412’.

# **1 CHARACTERISTICS OF THE MAIN PROFESSIONAL EDUCATIONAL PROGRAM OF HIGHER EDUCATION**

The main professional educational program of higher education, implemented in the direction of training 25.04.01 Technical operation of aircraft and aircraft engines (Master's program Aircraft maintenance) is a system of documents developed and approved in DSTU taking into account the needs of the regional labor market on the basis of the federal state educational standard of higher education in the direction of training 25.04.01 Technical operation of aircraft and aircraft engines, approved by the Order of the Ministry of Education and Science of the Russian Federation No. 19 dated 10.01.2018.

The educational program regulates the goals, planned results, content, conditions and technologies for the implementation of the educational process, assessment of the quality of graduate training in this field of training and includes: curriculum, calendar training schedule, work programs of academic disciplines (modules), practices and state final certification and other materials that ensure the quality of training of students, and also, the necessary methodological materials that ensure the implementation of the appropriate educational technology.

## **1.1 Aims and objectives of degree program**

The main purpose of the degree program is the training of qualified personnel in the field of technical operation of aviation equipment through the formation of students' universal, general professional and professional competencies in accordance with the requirements of the Federal State Educational Standard of HE, as well as the development of personal qualities (purposefulness, organization, diligence, responsibility, communication, tolerance, general culture), allowing to realize the formed competencies in professional activities.

The degree program aims to provide documentation and methodological support for the implementation of the Federal State Educational Standard and, on this basis, the development of students' personal qualities, as well as the formation of universal, general professional and professional competencies that contribute to successful activities in the profile of training.

In the field of education, the purpose of the degree program is to form the socio-personal qualities of students: purposefulness, organization, diligence, responsibility, citizenship, communication, tolerance, increasing their general culture.

In the field of education, the purpose of the degree program is:

- formation of graduates' competencies necessary for the implementation of professional activities in accordance with the Federal State Educational Standard;
- formation of the ability to acquire new knowledge, psychological readiness to change the type and nature of their professional activities and providing graduates with the opportunity to continue their education;
- providing a variety of educational opportunities for students;

– ensuring the training of graduates who are able to show flexibility and activity in changing labor market conditions for the areas of activity within the competence of the master in the areas of ground technical operation of aviation equipment, including pre-flight training of aircraft and engineering and technical support of aircraft flights.

The program is implemented independently without the use of a network form. Educational activities within the degree program are implemented in English.

## **1.2 Qualifications awarded to graduate**

Upon successful mastering of the degree program, the graduate is awarded the qualification ‘master’ in the direction of training 25.04.01 ‘Technical operation of aircraft and aircraft engines’.

## **1.3 Workload of degree program**

The workload of the degree program is 120 credit units for the entire period of study in accordance with the Federal State Educational Standard in this field of training and includes all types of classroom and independent work, practice and time allocated for quality control of mastering the degree program by students.

## **1.4 Duration of degree program**

The duration of education in accordance with the Federal State Educational Standards of Higher Education in this area of training on a full-time basis is 2 years.

# **2 CHARACTERISTICS OF GRADUATES PROFESSIONAL ACTIVITY**

## **2.1 Professional field(s) and area(s) of graduate professional activity**

The area of professional activity is the provision of aircraft flights in the field of technical operation of aviation equipment. The specifics of the graduate's professional activity is to solve the tasks of technical operation of aviation equipment, including pre-flight preparation of aircraft and engineering and technical support of aircraft flights. Graduates can carry out professional activities in aircraft (helicopter) production associations; aircraft repair plants, airports and airlines. Graduates may also carry out professional activity in other areas of professional activity and (or) spheres of professional activity, provided that their level of education and acquired competencies correspond to the requirements for the qualification of an employee.

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<sup>1</sup> The qualification assigned to the graduate is determined in accordance with the Order of the Ministry of Education and Science of the Russian Federation dated September 12, 2013 N 1061 ‘On approval of the lists of specialties and areas of higher education’.

## **2.2 Type(s) of tasks and objectives of graduate's professional activity**

- organizational and managerial;
- research and development.

## **2.3 Objects of graduate's professional activity**

The objects of professional activity in the direction of training 25.04.01 'Technical operation of aircraft and aircraft engines', Master's program 'Aircraft maintenance' are processes, methods and means of pre-flight preparation, maintenance and repair of aircraft and aircraft engines.

## **2.4 Description of job functions according to the professional standard (map of professional activity)**

In accordance with the requirements for graduates in the labor market, a graduate must master the following generalized labor functions, which include the following labor functions:

1. Operation, maintenance and repair of aviation equipment and engineering support of professional activities:

- operation, control of the technical condition and maintenance of aviation equipment;
- troubleshooting and carrying out measures to restore the operational or serviceable condition of aviation equipment;
- organization of maintenance, condition monitoring and scheduled preventive and routine maintenance of aviation equipment;
- analysis and generalization of data on failures and malfunctions of aviation equipment, search and elimination of the causes of failures and damage to aviation equipment.

2. Solving fundamental and applied problems of operation, maintenance, diagnostics and repair of aviation equipment:

- optimization of existing and development of new technologies for the technical operation of aviation equipment;
- optimization of existing technologies, methods and techniques for monitoring the technical condition and diagnostics of aviation equipment;
- optimization of existing and development of new technologies for aircraft maintenance and repair processes;
- predicting the occurrence of emergency situations, the choice of methods and methods to ensure safety;
- assessment of the safety of the functioning of aviation equipment and control of compliance with the requirements of occupational safety and environmental safety.



## **2.5 Key partners of the educational program**

The key partners (representatives of employers' associations) involved in the formation and implementation of the educational program are:

- C7 ENGINEERING LLC;
- CJSC Shakhty Aviation Repair Plant DOSAAF;
- Rostvertol PJSC;
- JSC Rostov Civil Aviation Plant No. 412.

The educational program does not contain information constituting a state or other legally protected secret.

## **3 EXPECTED RESULTS OF MASTERING THE MAIN PROFESSIONAL EDUCATIONAL PROGRAM OF HIGHER EDUCATION**

The results of mastering the educational program are determined by the competencies acquired by the graduate, i.e. his ability to apply knowledge, skills and personal qualities in accordance with the tasks of professional activity.

As a result of mastering this program in the graduate should have the following competencies:

### **Universal Competencies (UC):**

UC-1. Able to carry out a critical analysis of problem situations based on a systematic approach, to develop a strategy of actions;

UC-2. Able to manage a project at all stages of its life cycle;

UC-3. Able to organize and manage the work of the team, developing a team strategy to achieve the goal;

UC-4. Able to apply modern communication technologies, including in a foreign language(s), for academic and professional interaction;

UC-5. Able to analyze and take into account the diversity of cultures in the process of intercultural interaction;

UC-6. Able to determine and implement the priorities of his own activities and ways to improve it based on self-assessment.

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

GPC-1. Capable of building, evaluating and analyzing a quality management system in various fields of professional activity;

GPC-2. Able to apply the fundamental foundations of modeling theory as the main research method and a scientifically based method of assessing the characteristics of complex systems used for decision-making in various fields of professional activity;

GPC-3. Able to apply mathematical apparatus and methods of mathematical statistics to formalize the processes of functioning of complex organizational and technical systems.

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

1. Type of tasks: organizational and managerial:

PC-1. Capable of organizing and managing the processes of technical operation, maintenance and repair of aviation equipment;

2. Type of tasks: research:

PC-2. Capable of independent research activities in the field of technical operation of aviation equipment.

In accordance with the requirements, indicators of achievement of universal, general professional and professional competencies have been established, which are formed in the document 'Indicators of achievement of competencies'.

## **4 REQUIREMENTS FOR THE STRUCTURE OF THE EDUCATIONAL PROGRAM**

### **4.1 Structure of the educational program**

The structure of the educational program includes the following units:

Unit 1 'Disciplines (modules)'.

Unit 2 'Practice'.

Unit 3 'State final certification'.

Table 1 - Structure and scope of the program<sup>2</sup>

Program structure		The requirement of the Federal State Educational Standard in ECTS
Unit 1	Disciplines (modules)	no less than 50
Unit 2	Practice	no less than 35
Unit 3	State final certification	no less than 9
Program volume		120

### **4.2 Unit 2 'Practice'**

Unit 2 'Practice' includes educational and industrial practices.

Types of educational practice:

Specific types of educational practice are specified in the curricula.

Types of industrial practice:

Specific types of industrial practice are specified in the curricula.

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<sup>2</sup> In accordance with the Federal State Educational Standard

When conducting an internship by directly performing certain types of work by students related to future professional activity, this type of practice is carried out in the form of practical training.

### **4.3 Unit 3 'State final certification'**

Unit 3 'State final certification' includes the defense of the final qualifying work, including preparation for defense and the defense procedure.

## **5 DOCUMENTS REGULATING THE CONTENT AND ORGANIZATION OF THE EDUCATIONAL PROCESS IN THE IMPLEMENTATION OF THE EDUCATIONAL PROGRAM**

### **5.1 Curriculum, academic schedule, work programs of disciplines (modules), practices, program state final certification (final assessment) and methodological materials**

The following components of the educational program are in the electronic information and educational environment and on the official website of DSTU in the appropriate education level subsection 'Education':

- description of educational program;
- curricula;
- academic schedules;
- annotations to working programs of disciplines (modules), practices;
- working programs of disciplines (modules), practices;
- state final certification programs;
- methodological materials (including in the DSTU Electronic Library System).

### **5.2 Evaluation materials on disciplines (modules), practices, research work and state final certification**

Evaluation materials on the educational program allow you to assess the level of competence formation and are developed in accordance with the Regulations on evaluation materials (evaluation tools).

Evaluation materials may contain: test tasks, control questions and standard tasks for practical and laboratory classes, for written works, control works, colloquiums, preparation of reports, abstracts, speeches, preparation of reports, group and individual projects, tests and exams; tests and computer testing programs; approximate topics of term papers, abstracts and etc., as well as other forms of control that allow assessing the degree of formation of students' competencies.

Evaluation materials for the final (state final) certification include a list of competencies that students should master as a result of mastering the educational program, a description of indicators and criteria for assessing competencies, as well as

other materials necessary for evaluating the results of mastering the educational program; methodological materials defining the procedures for evaluating the results of mastering the educational program.

Evaluation materials for each discipline (module), practice, and state final certification are stored as part of the educational program in the structural unit of the university that implements the educational program.

### **5.3 Methodological materials on disciplines (modules), practices, research work and state final certification**

Methodological materials represent a set of methodological materials on the discipline (module, practice, state final certification), formed in accordance with the structure and content of the discipline (module, practice), the educational technologies used and the forms of organization of the educational process.

Organizational and methodological materials (guidelines, recommendations) allow the student to optimally plan and organize the process of mastering the educational material.

Educational and methodological materials are aimed at students' assimilation of the content of the discipline (module, practice, research, state final certification), and are also aimed at checking and appropriately assessing the formation of students' competencies at various stages of mastering the educational material.

Textbooks, manuals, teaching aids (materials or documentation), a workbook, a workshop, a task book, etc. are used as educational publications.

## **6 RESOURCE SUPPORT OF THE EDUCATIONAL PROGRAM**

### **6.1 Educational, methodological and informational support of the educational process in the implementation of the educational program**

The educational program is provided with educational and methodological documentation and materials in all disciplines (modules), practices of the state final certification.

The implementation of the educational program is ensured by the access of each student to databases and library collections formed according to the full list of disciplines (modules) of the educational program. During independent training, students are provided with access to the Internet.

Each student is provided with individual unrestricted access to one or more electronic library systems (electronic libraries) and to the electronic information and educational environment of the university during the entire period of study. The electronic library system (electronic library) and the electronic information and educational environment provide the possibility of student access from any point where there is access to the information and telecommunications network 'Internet', both on the territory of the organization and outside it.

The electronic information and educational environment of the university provides:

- access to the electronic library system;
- access to electronic educational resources and/or professional databases (collections of information resources on topics) in accordance with the content of the educational program being implemented;
- access to an electronic learning system that ensures the interaction of teaching staff with students (personal accounts of students and teachers);
- access to an electronic schedule (an electronic schedule means a service through which each student can find out their current schedule of classes and sessions);
- access to students' electronic portfolios;
- access to curricula, work programs of disciplines (modules), practice programs, electronic educational publications and electronic educational resources specified in the work programs of disciplines (modules), practice programs according to the educational program.

The functioning of the electronic information and educational environment is ensured by appropriate means of information and communication technologies and the qualifications of employees who use and support it.

The Scientific and Technical Library of DSTU is equipped with the necessary telecommunication equipment, communication means, electronic equipment, has free access to the Internet, uses Wi-Fi technologies. For independent work of students, there are 5 reading rooms with 720 seats, including 42 automated workstations with access to the Internet and the electronic educational environment of the university.

The electronic library of the University, which includes access to resources, virtual services and information materials, is formed on a single portal of the Scientific and Technical Library <https://ntb.donstu.ru/>, which can be accessed from the electronic information and educational environment of the university. A 'Single Search Window' system has been formed on the library's website, which combines the search for its own and external resources of the Scientific and Technical Library.

Each student is provided with individual unrestricted access (remote access), including in the case of e-learning, distance learning technologies, to the electronic library and electronic information and educational environment of the university, electronic library systems, modern professional databases and information reference systems, the composition of which is defined in the work programs of disciplines and is updated annually, to the electronic information resources of the NTB (<https://ntb.donstu.ru/content/elektronno-informacionnye-resursy>) from anywhere on the Internet 24/7, containing:

- EBS 'University Library online' (<http://biblioclub.ru>);
- EBS 'IPRbooks' (<http://www.iprbookshop.ru>);
- EBS 'Lan' (<https://e.lanbook.com>);
- ABS 'Znaniy' (<http://znaniy.com>);
- EBS 'DSTU' (<https://ntb.donstu.ru/ebstdstu>);
- electronic library of dissertations of the Russian State Library (<https://dvs.rsl.ru>);

- information and reference system ‘Techexpert: norms, rules, standards and legislation of Russia’;

- information and educational system ‘Rosmetod’ (<http://rosmetod.ru>) and others.

The library fund is equipped with printed publications at the rate of at least 0.25 copies of each of the publications specified in the work programs of disciplines (modules), practice programs for one student from among persons simultaneously mastering the relevant discipline (module), undergoing appropriate practice (FGOS 3++).

Students from among persons with disabilities are provided with electronic educational resources in forms adapted to the limitations of their health.

The fund of periodicals contains, among other things, the following publications on educational program:

- electronic scientific journals on the NEB eLibrary platform (<https://elibrary.ru>);
- electronic scientific journals in the collection of EBS ‘Lan’ (<https://e.lanbook.com/journals>);
- electronic scientific journals in the collection of EBS ‘IPRbooks’ (<http://www.iprbookshop.ru/6951.html>);
- electronic scientific journals in the collection of the EBS ‘University Library Online’ (<http://biblioclub.ru>);
- electronic scientific journals in the collection of EBS ‘Znanium’ (<http://znanium.com>);
- specialized electronic periodicals in ISS ‘Techexpert’;
- archive of scientific journals of the Non-profit Partnership ‘National Electronic Information Consortium’ (NP NEICON) (<http://archive.neicon.ru>);
- archive of periodicals on the ScienceDirect platform of Elsevier publishing house (<https://www.sciencedirect.com>).

## **6.2 Personnel support for the implementation of the educational program<sup>3</sup>**

The qualification of DSTU teaching staff meets the qualification requirements specified in the qualification reference books and (or) professional standards (if any).

At least 70 percent of the number of teaching staff of the university participating in the implementation of the educational program, and persons involved in the implementation of the educational program on other terms (based on the number of substituted rates reduced to integer values), must conduct scientific, educational, methodological and (or) practical work corresponding to the profile of the discipline (module) taught.

At least 5 percent of the number of DSTU teaching staff participating in the implementation of the educational program, and persons involved by the university in the implementation of the master's degree program on other terms (based on the number of replacement rates reduced to integer values), must be managers and (or) employees

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<sup>3</sup> The section is filled in in accordance with the FSES

of other organizations engaged in work in the professional field corresponding to the professional the activity for which graduates are preparing (have at least 3 years of work experience in this professional field).

At least 60 percent of the number of DSTU teaching staff and persons involved in educational activities on other terms (based on the number of substituted rates reduced to integer values) must have an academic degree (including an academic degree obtained in a foreign country and recognized in the Russian Federation), and (or) an academic title (including an academic title obtained in a foreign country and recognized in the Russian Federation).

The general management of the scientific content of the master's degree program is carried out by a scientific and pedagogical employee of the organization who has an academic degree (including an academic degree obtained in a foreign country and recognized in the Russian Federation), who carries out independent research (creative) projects (participating in the implementation of such projects) in the field of training, who has annual publications on the results of the specified research (creative) activities in leading domestic and (or) foreign peer-reviewed scientific journals and publications, and also carrying out annual approbation of the results of this research (creative) activity at national and international conferences.

### **6.3 Material and technical support of the educational program**

The University has a sufficient material and technical base that ensures the conduct of all types of disciplinary and interdisciplinary training, laboratory, practical and research work of students provided for in the curriculum, and corresponding to the current sanitary and fire safety rules and regulations.

The premises for independent work of students are equipped with computer equipment with the ability to connect to the Internet and provide access to the electronic information and educational environment of the organization.

The University is provided with the necessary set of licensed and freely distributed software, including domestic production (the composition is determined in the working programs of disciplines (modules), and is subject to updating (if necessary)).

Students are provided with access (remote access), including in the case of e-learning, distance learning technologies, to modern professional databases and information reference systems, the composition of which is determined in the work programs of disciplines (modules) and is subject to updating (if necessary).

## **7 CHARACTERISTICS OF THE SOCIO-CULTURAL ENVIRONMENT OF THE UNIVERSITY, ENSURING THE DEVELOPMENT OF STUDENTS UNIVERSAL COMPETENCIES STUDENTS**

The socio-cultural environment of the university is a set of conceptual, substantive, personnel, organizational and methodological resources aimed at creating a

humanitarian environment in an educational institution that ensures the development of universal competencies of students.

The university carries out systematic work on the implementation of youth policy and educational work, the organizational structure of the educational process is effective – the Department for Educational Work and Youth Policy, the Department for the Development of Student Sports, as well as the Student Council, student associations and the Commissioner for Students' Rights.

Educational activities and extracurricular general cultural work at the university are organized in a number of areas:

1) 'Civil-patriotic education'. Rallies and festive mass events dedicated to public holidays, memorable dates of the history of Russia are organized and held: Defender of the Fatherland Day, Victory Day, Cosmonautics Day, etc. Open lectures, military sports games are held, film screenings are organized.

2) 'Creative education'. The creative abilities of students are being realized in creative collectives that carry out their activities at DSTU: the Bravo Studio theater; the DSTU creative center, within which such creative collectives as the Lis Theater, the Impulses pop collective, the Zodchie Theater of Modern Choreography, the Imedi exemplary folk choreographic ensemble work, dance theater 'Without limit', dance group 'D'angels', studio of choreographic miniatures 'Arabesque', vocal studio 'New Generation', Don KVN center, etc.

3) 'Cultural and moral education'. A significant contribution to the educational work is made by the cultural center and the Scientific and Technical Library of the University.

The Cultural Center forms a cultural and aesthetic environment at the university and instills the basics of corporate culture in students. This is facilitated by the fact that the main solemn events and holidays at the university are accompanied by the removal of the university's flag, listening and singing the DSTU anthem, which was created on the initiative of the cultural center.

On the basis of the scientific and technical library, book exhibitions, review lectures, literary and musical compositions that contribute to the cultural development of the student's personality and the prevention of negative social phenomena are regularly held.

4) 'Social interaction'. Students of DSTU participate in volunteer groups and annual actions: 'Backpack of happiness'; 'Days of donor coming of age'; 'Santa Claus Bag', etc.

5) 'Psychological education'. Active work is being carried out and activities are being carried out in the following areas: psychological education; comprehensive work on the socio-psychological adaptation of first-year students; psychological diagnostics; group training work; psychological counseling and correction.

6) 'Physical education'. The festival of student sports 'Burevestnik', the sports contest of freshmen, the rally 'Winter Cup of DSTU', etc. are held.

The following student public organizations are successfully functioning at the university:

1. Student Council of DSTU, including student Councils of dormitories;



2. Primary trade union organization of students of DSTU;
3. Volunteer centers: volunteer center for social work 'Burning hearts', volunteer center 'Zvezda', student psychological unit 'Assistance';
4. The headquarters of the student detachments of DSTU;
5. Commissioner for the rights of students of DSTU.
6. 'Student self-government'. DSTU attaches particular importance to the development of student self-government, in which the Student Council of DSTU plays an important role. There are representatives of the Student Council at every faculty, in every dormitory and in every academic group.

An important role in the educational process is played by traditional mass events held by the university for the formation and development of corporate culture: Freshman Day, Art Week, Tatiana's Day, 'Miss DSTU', etc.

An important role in the general cultural development of students of the university is assigned to the Primary trade union Organization of students of DSTU, which unites students of the university to implement the tasks assigned to it. Such tasks include: protection of professional, labor, socio-economic rights and interests of trade union members; providing trade union members with legal and social protection; negotiating with the university administration, concluding a collective agreement and its implementation, providing material and consulting assistance to trade union members, exercising public control over the operation of the catering complex, etc.

The activities of the University History Center are of great importance in educational work. Here you can get acquainted with the history and traditions of the university, learn a lot about outstanding people directly involved in many events: veterans of the Great Patriotic War, the leaders of production, graduates of the university.

The university has a Psychological support Center, a youth center for the prevention of negative phenomena 'Quality of Life'.

For recreation and sports, students and university employees are given the opportunity to visit sports facilities, including: the sports and recreation complex of DSTU with a swimming pool, an athletics arena, the sports and recreation complex 'Rainbow', the sports and recreation complex 'Builder', the recreation center of DSTU on the left bank of the Don, the sanatorium-dispensary 'Zarya', equestrian club of DSTU 'Horse running', aeronautics club 'Don Sky', yacht club 'Quiet Don' and other elements of sports infrastructure (large university gym, mini-football field, gyms in dormitories, billiard club, football field and obstacle course).

The university has created a socio-cultural environment necessary for the formation of a civil, legal and professional position of participation, the readiness of all members of the team to communicate and cooperate, the ability to perceive social, personal and cultural differences with tolerance.

Information about extracurricular work is posted on the university's website. Social networks are actively used in this direction. Announcements about the events and their social significance are placed on the information stands of the faculty. Curators of groups and deputy deans introduce students to the schedule of upcoming events and organize their participation.

## **8 FEATURES OF THE ORGANIZATION OF THE EDUCATIONAL PROCESS FOR PEOPLE WITH DISABILITIES**

DSTU has created special conditions for obtaining higher education according to educational programs for students with disabilities.

Special conditions for obtaining higher education according to educational programs by students with disabilities are understood as learning conditions, including the use of special educational programs and methods of teaching and upbringing, special textbooks, teaching aids and didactic materials, special technical means of teaching for collective and individual use, the provision of tutor services (from among the teaching staff), sign language interpreter, teacher-a psychologist, a social pedagogue, providing students with the necessary technical assistance; conducting group and individual remedial classes, providing access to DSTU buildings and other conditions, without which it is impossible or difficult for students with disabilities to master educational programs.

Information about special conditions created for students with disabilities is available on the university's website (<https://clck.ru/FJWKV> )

The education of students with disabilities can be organized both jointly with other students, and in separate groups or according to an individual curriculum (based on the student's application).

When studying in separate groups of students with disabilities, the number of groups is no more than 15 people.

The term of obtaining higher education according to an individual plan for persons with disabilities, if necessary, can be extended, but not more than 1 year (bachelor's degree, specialty) or 6 months (master's degree).

Material and technical support of the educational process:

1. For persons with hearing disabilities:

- availability of sound-amplifying equipment, multimedia and other technical means of receiving and transmitting information in accessible forms;
- the classroom where students with hearing impairment study will be equipped with computer equipment, audio equipment (acoustic amplifier and speakers), video equipment (multimedia projector, TV), electronic whiteboard, multimedia system.

2. For persons with visual disabilities:

- availability of electronic magnifiers, video magnifiers, non-visual access to information programs, speech synthesis programs and other technical means of receiving and transmitting educational information in forms accessible to this category of students;
- in classrooms, it is necessary to provide for the possibility of viewing remote objects (text on the blackboard, slide on the screen) using video magnifiers for remote viewing.

3. For persons with disabilities who have disorders of the musculoskeletal system:

- availability of computer equipment with special software adapted for students with disabilities, alternative information input devices and other technical means of receiving and transmitting educational information in forms accessible to students;

- using special features of the Windows operating system, such as an on-screen keyboard with which you can enter text, configuring Windows actions when typing using the keyboard or mouse.

Educational and methodological support of the educational process for students with disabilities provides:

1. Inclusion of specialized adaptation disciplines in the curriculum for the purpose of additional individualized correction of violations of educational and communicative skills, professional and social adaptation. The set of these disciplines is determined based on the specific situation and individual needs of students with disabilities based on the student's application.

2. In the educational process, socially active and reflective teaching methods, technologies of socio-cultural rehabilitation should be widely used in order to assist in establishing full-fledged interpersonal relationships with other students, creating a comfortable psychological climate in the student group.

3. Providing students with disabilities with special printed and electronic educational resources in forms adapted to the limitations of their health (students with hearing impairment receive information visually, visually impaired – audibly (using speech synthesizer programs).

4. For practical training for persons with disabilities, if necessary, special jobs are created in accordance with the nature of violations and taking into account the professional type of activity.

5. For the current monitoring of academic performance, intermediate and final attestation, evaluation materials are created adapted for persons with disabilities and allowing to assess the level of formation of all competencies declared in the educational program.

The form of the current and intermediate certification for students with disabilities is determined by the teacher in accordance with the Regulations on the current control and intermediate certification of students. If necessary, a student with disabilities, taking into account his individual psychophysical characteristics, is given the opportunity to pass an interim certification orally, in writing on paper, in writing on a computer, in the form of testing, etc., or is given additional time to prepare an answer.

## **9 REQUIREMENTS FOR THE APPLIED MECHANISMS FOR ASSESSING THE QUALITY OF EDUCATIONAL ACTIVITIES AND TRAINING OF STUDENTS IN THE EDUCATIONAL PROGRAM**

The quality of educational activities and training of students within the educational program is determined within the framework of an internal evaluation

system, as well as an external evaluation system, in which the university participates on a voluntary basis.

In order to improve the educational program of the DSTU, when conducting a regular internal assessment of the quality of educational activities and training of students within the educational program of higher education attracts employers and (or) their associations, other legal entities and (or) individuals, including teaching staff of the university.

Within the framework of the internal system for assessing the quality of educational activities in the educational program, students are given the opportunity to assess the conditions, content, organization and quality of the educational process as a whole and individual disciplines (modules) and practices.

An external assessment of the quality of educational activities under the educational program within the framework of the state accreditation procedure is carried out in order to confirm the compliance of educational activities under the educational program with the requirements of the Federal State Educational Standard, taking into account the corresponding exemplary educational program.

External assessment of the quality of educational activities and training of students in the educational program can be carried out within the framework of professional and public accreditation.