



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
 "29" 06 2023 № 12

APPROVED
 Rector
 B.Ch. Meskhi
 "29" 06 2023
 stamp
 registration number 03.1.7-162-276

DESCRIPTION

The main professional educational programme of higher education

Civil Engineering
(the direction (profile) of the educational programme)
 08.04.01 Construction
(code and name of the field of study)
 full-time
form of study (full-time, part-time, extramural)
 2023
year(-s) of admission

Agreed:
 Representative of the employer
 or employers' association
 LLC Scientific and production
 enterprise 'Gran-91'

Director general
 Vongai A.O.
 (signature, stamp)
 "29" 06 2023

Agreed:
 Representative of the employer or employers'
 association
 LLC Stroy-Engineering

Director general
 Geroev A.E.
 (signature, stamp)
 "29" 06 2023

Rostov-on-Don
 2023

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

The main professional educational programme of higher education in the field of training (specialty) 08.04.01 'Construction', profile 'Civil engineering' was developed by the Department of Urban Construction and Economy.

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

DEGREE PROGRAMME DEVELOPERS:

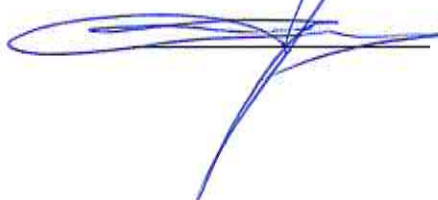
Programme leader


_____ S.G. Sheina

Head of the graduation department


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Methodological Council for
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Approved by
the Council of the Faculty

Industrial and civil construction

Dean



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SUMMARY OF THE DEGREE PROGRAMME

Level of education:

Master's degree

Degree programme profile:

Civil Engineering

Title and code of the broad field of education:

08.00.00 Technique and construction technology

Degree programme:

08.04.01 Construction

Workload (ECTS):

120 credits

Duration and mode of study according to the degree programme:

Full-time (2 years)

Qualification (degree):

Master

Degree programme description

The degree programme was developed in 2018 with the purpose of providing training to qualified specialists with BIM thinking in the design, construction, and operation of buildings and facilities in the context of the digitalization of the construction industry on the basis of developing students' personal qualities as well as the formation of universal, general professional, and professional competencies.

Type(s) of professional activity(s):

- research;
- design;
- technological
- pedagogical.

Strategic partners of the programme (employers):

- Ministry of housing and communal services of the Rostov region;
- LLC «KS-Development»;
- LLC «EuroStroyProekt»;
- LLC «Research and Production Enterprise «Gran-91».

1 CHARACTERISTICS OF THE MAIN PROFESSIONAL EDUCATIONAL PROGRAMME OF HIGHER EDUCATION

The main professional educational programme of higher education, implemented in the direction of training 08.04.01 'Construction (master's programme 'Civil Engineering') 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 08.04.01 Construction, approved by the order of the Ministry of Education and Science of the Russian Federation No. 482 dated May 31, 2017.

The degree programme 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, academic calendar, work programmes of academic disciplines (modules), practices and state final assessment 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 programme

The main purpose of the degree programme is the training of qualified personnel in the field of information modeling, specialists with BIM-thinking in the field of design, construction and reconstruction of buildings and structures, operation and reconstruction of facilities through the formation of students' universal, general professional and professional competencies in accordance with the requirements of the Federal State Educational Standard, as well as the development of personal qualities (purposefulness, organization, diligence, responsibility, communication, tolerance, general culture), allowing to implement the formed competencies in professional activity.

The degree programme aims at documenting and methodological support for the implementation of the Federal State Educational Standards of Higher Education 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 programme is to form the socio-personal qualities of students: purposefulness, organization, diligence, responsibility, citizenship, communication, tolerance, increasing their general culture.

In the field of studies, the objective of degree programme is:

- to develop graduates' competencies necessary for professional activity in accordance with Federal State Educational Standard of Higher Education;
- to develop the ability to acquire new knowledge, the psychological readiness to change the type and nature of one's professional activity and to ensure that the graduate is able to continue his or her education;
- to ensure a diversity of educational opportunities for learners;

- to prepare graduates who are able to be flexible and proactive in the changing labour market conditions for the areas of work within the competence of the Master of Veterinary-sanitary inspection.

The programme is implemented independently without the use of a network form.

Educational activities on degree programme are carried out in English.

1.2 Qualifications awarded to graduate

Upon successful mastering of the degree programme the graduate is awarded the qualification 'master' in the field of training 08.04.01 'Construction'.

1.3 Workload of degree programme

The workload of the degree programme is 120 credits for the entire period of study in accordance with the Federal State Educational Standard of Higher Education and includes all types of classroom and independent work, practice and time allocated for quality assurance of degree programme.

1.4 Duration of degree programme

In accordance with the Federal State Educational Standard of Higher Education, the period of study in the full-time mode of study is 2 years.

2 CHARACTERISTICS OF GRADUATES PROFESSIONAL ACTIVITY

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

10 Architecture, design, geodesy, topography and design (in the field of design of construction objects and engineering and geodetic surveys).

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

As part of the development of the master's degree programme in the direction 08.04.01 'Construction' of the 'Civil Engineering' orientation, graduates are preparing to solve the following types of professional activity tasks:

- scientific research;
- project;
- technology
- pedagogical.

2.3 Objects of graduate's professional activity

The objects of professional activity of graduates who have mastered the master's degree programme in the direction 08.04.01 'Construction' of the orientation 'Civil engineering' are buildings and structures of civil engineering.

2.4 Description of labour functions in accordance with the professional standard (map of professional activity)

In accordance with the professional standard 10.015 'Specialist in the organization of architectural and construction design' (Order of the Ministry of Labor No. 228n dated 21.04.2022), the graduate must master the following labor functions:

1. Organization of architectural and construction design of capital construction facilities:

- preparation of organizational and administrative documentation for capital construction projects.

In accordance with the professional standard 10.006 'Urban Planner' (Order of the Ministry of Labor No. 110n dated March 17, 2016), a graduate must master the following labor functions:

1. Conducting research and surveys necessary for the development of a specific type of urban planning documentation:

- formulation of research and survey tasks, definition of methodology, methodology and technology of their implementation for the development of urban planning documentation;

- conducting research and surveys necessary for the development of urban planning documentation.

2.5 Key partners for degree programme

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

- Ministry of Housing and Communal Services of the Rostov Region;
- LLC KS-Development;
- LLC 'EuroStroyProekt';
- LLC Scientific and Production Enterprise 'Gran-91'.

The educational programme does not contain information constituting a state or other secret protected by law.

3 EXPECTED RESULTS OF MASTERING THE MAIN PROFESSIONAL EDUCATIONAL PROGRAMME OF HIGHER EDUCATION

The results of mastering the degree programme are determined by the competencies acquired by the graduate, i.e. their ability to apply knowledge, skills and personal qualities in accordance with the tasks of professional activity. As a result of

mastering this degree programme, the graduate should have the following competencies:

universal competencies (UC):

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

UC-2: able to manage the 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 set goals;

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 on the basis of self-assessment;

general professional competencies (GPC):

GPC-1: able to solve the tasks of professional activity based on the use of theoretical and practical foundations, mathematical apparatus of fundamental sciences;

GPC-2: able to analyze, critically comprehend and present information, search for scientific and technical information, acquire new knowledge, including with the help of information technology;

GPC-3: able to set and solve scientific and technical problems in the field of construction, the construction industry and housing and communal services based on knowledge of the problems of the industry and experience in solving them;

GPC-4: able to use and develop design, administrative documentation, as well as participate in the development of regulatory legal acts in the field of the construction industry and housing and communal services;

GPC-5: able to conduct and organize design and survey work in the field of construction and housing and communal services, carry out technical expertise of projects and supervision of their compliance;

GPC-6: able to carry out research of objects and processes in the field of construction and housing and communal services;

GPC-7: able to manage an organization operating in the construction industry and housing and communal services, organize and optimize its production activities;

professional competencies (PC):

1. Technological type of tasks:

PC-1: able to carry out an examination of design solutions for industrial and civil construction facilities

2. Project type of tasks:

PC-2: able to develop design solutions and organize design in the field of industrial and civil construction;

3. Research, pedagogical type of tasks:

PC-3: Capable of performing and organizing scientific research of industrial and civil construction facilities.

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 PROGRAMME

4.1 Structure of the degree programme

The structure of the educational programme includes the following units:

Unit 1 'Disciplines (modules)'.

Unit 2 'Placement'.

Unit 3 'State final assessment'.

Table 1 - Structure and scope of the programme

Programme structure		The requirement of the Federal State Educational Standard in credits
Unit 1	Disciplines (modules)	At least 60
Unit 2	Placement	At least 36
Unit 3	State final assessment	6-9
Total scope		120

4.2 Unit 2 'Placement'

Unit 2 'Practice' includes study and industrial placements.

Types of study placement:

Specific types of study placement are specified in the curricula.

Types of industrial placement:

Specific types of industrial placement are specified in the curricula.

When placement is implemented in the form of students' direct performance of certain work related to future professional activities, this type of placement is carried out in the form of practical training.

4.3 Unit 3 'State final assessment'

Unit 3 'State final certification' includes:

- preparation for the defense procedure and defense of the final qualifying work.

5 DOCUMENTS REGULATING THE CONTENT AND ORGANIZATION OF THE EDUCATIONAL PROCESS IN THE IMPLEMENTATION OF THE EDUCATIONAL PROGRAMME

5.1 Curriculum, timetable, syllabuses of disciplines (modules), placement, state final assessment programme and methodological materials

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

- curricula;
- academic schedules;
- annotations to working programmes of disciplines (modules), placement;
- working programmes of disciplines (modules), placement;
- state final assessment programmes;
- methodological materials (including in the DSTU Electronic Library System).

5.2 Assessment materials for disciplines (modules), placements, research work, state final assessment

Evaluation materials on the degree programme allow to assess the level of competence formation are formed in accordance with the Regulations on evaluation materials (evaluation tools).

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

For each result of training in a discipline or practice, indicators and criteria for assessing the formation of competencies at various stages of their formation, scales and evaluation procedures are defined.

To evaluate the results of training in each discipline and practice at the university, a point rating system is used.

Evaluation materials for the state final assessment include a list of competencies that students should master as a result of mastering the educational programme: a description of indicators and criteria for assessing competencies, as well as assessment scales; standard control tasks or other materials necessary to evaluate the results of the development of the educational programme; methodological materials defining the procedures for evaluating the results of the development of the educational programme.

Evaluation materials for each discipline (module), practice, state final assessment are stored at the department implementing the degree programme.

5.3 Methodological materials for disciplines (modules), placements, research work and state final attestation

Methodological materials are a set of methodological materials on the discipline (module, practice, state final assessment), 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, state final assessment); 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, workbooks, and task books are used as educational publications.

6 RESOURCE SUPPORT OF THE EDUCATIONAL PROGRAMME

6.1 Educational, methodological and informational support of the educational process in the implementation of the educational programme

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

The implementation of the educational programme 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 programme. 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 programme 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 programmes of disciplines (modules), practice programmes, electronic educational publications and electronic educational resources specified in the work programmes of disciplines (modules), practice programmes according to the educational programme.

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 programmes 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:

- ELS 'University Library online' (<http://biblioclub.ru>);
- ELS 'IPRbooks' (<http://www.iprbookshop.ru>);
- ELS 'Lan' (<https://e.lanbook.com>);
- ELS 'Znaniy' (<http://znaniy.com>);
- ELS 'DSTU' (<https://ntb.donstu.ru/ebsdstu>);
- 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 programmes of disciplines (modules), practice programmes 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 programme:

- electronic scientific journals on the NEB eLibrary platform (<https://elibrary.ru>);
- electronic scientific journals in the collection of ELS ‘Lan’ (<https://e.lanbook.com/journals>);
- electronic scientific journals in the collection of ELS ‘IPRbooks’ (<http://www.iprbookshop.ru/6951.html>);
- electronic scientific journals in the collection of the ELS ‘University Library Online’ (<http://biblioclub.ru>);
- electronic scientific journals in the collection of ELS ‘Znaniy’ (<http://znaniy.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 programme¹

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 programme, and persons involved in the implementation of the educational programme 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 programme, and persons involved by the university in the implementation of the master’s degree programme on other terms (based on the number of replacement rates reduced to integer values), must be managers and (or) employees 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

¹ The section is filled in in accordance with the FSES

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 programme 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 programme

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 programmes 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 programmes 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 programmes for students with disabilities.

Special conditions for obtaining higher education according to educational programmes by students with disabilities are understood as learning conditions, including the use of special educational programmes 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 programmes.

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 programmes, speech synthesis programmes 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 programmes).

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 programme.

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 PROGRAMME

The quality of educational activities and training of students within the educational programme 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 programme of the DSTU, when conducting a regular internal assessment of the quality of educational activities and training of students within the educational programme 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 programme, 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 programme within the framework of the state accreditation procedure is carried out in order to confirm the compliance of educational activities under the educational programme with the requirements of the Federal State Educational Standard, taking into account the corresponding exemplary educational programme.

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