



VOLGOGRAD
STATE
TECHNICAL
UNIVERSITY

YEAR 2023

VOLGOGRAD STATE TECHNICAL UNIVERSITY



vstu.ru



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1930 – An establishment of the university



Volgograd State Technical University (VSTU) was established in 1930 as a tractor-building institute, designed to train personnel for tractor-construction and other machine-building industries.

In 1963, being already a multidisciplinary university, the institute became a polytechnic, and in 1993 it acquired the status of a State Technical University. A new stage of development has begun on the basis of a constant increase in the qualifications of scientific and pedagogical personnel, research work, and using of modern teaching technologies.

A modern university

Volgograd State Technical University (VSTU) is one of the leading higher educational institutions of Volgograd Region, a major scientific center in the South of Russia, one of the leaders among the country's technical universities. As a result of the reorganization and unification of Volgograd State Technical University and University of Architecture and Civil Engineering in 2016, the main university of the region was formed.



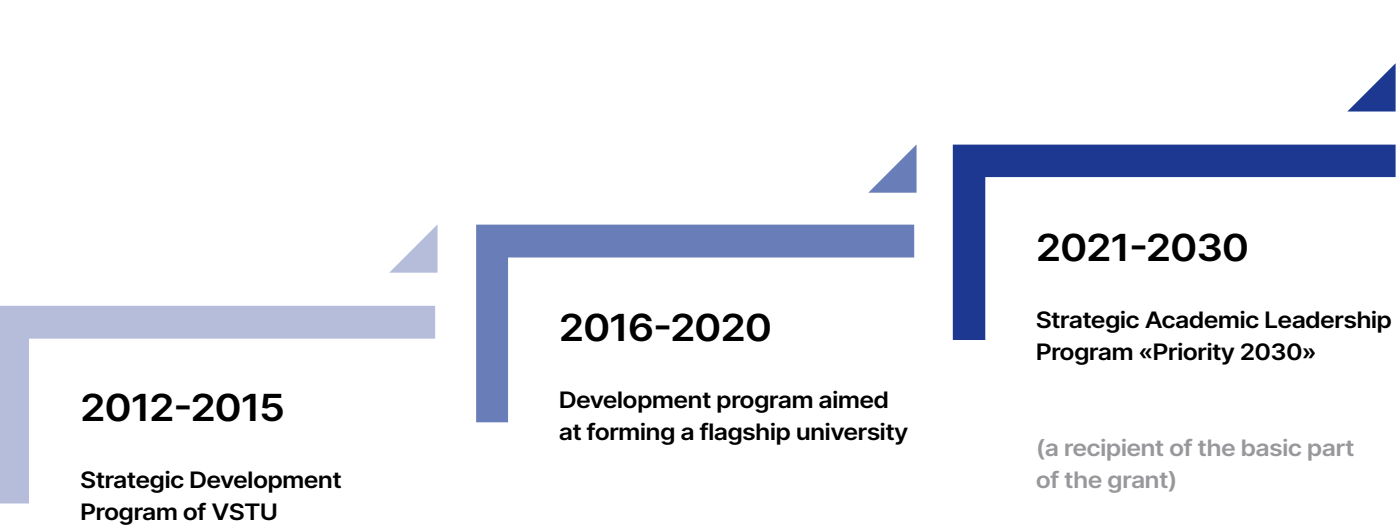
Professors and structure of the university

The educational process and scientific activities at the university are currently carried out by 1288 teachers, among them: one Hero of Labor of the Russian Federation, three members of Russian Academy of Sciences, two corresponding member of the Academy of Sciences, 145 Doctors of Sciences, a professor and 533 Candidates of Sciences and associate professors.







The team consists of 11 Honored Scientists of the Russian Federation, 17 Honored Workers of the Higher School of the Russian Federation, two Honored Chemists, an Honored Economist, 9 recipients of the Russian Federation Government prize. Also, there are ten laureates of federal prizes among the scientists of the university. The university has ten dissertation councils for the defense of candidate and doctoral dissertations, which makes it possible for scientists of the Volgograd region and the south of Russia to defend dissertations in their region in a wide range of scientific fields. There are 17 faculties in the structure of the flagship university, including 10 full-time programs of studies; 4 part-time and correspondence programs of studies, the faculty of foreign specialists training, the faculty of pre-university training and postgraduate education.



Participation in federal programs and university development projects



The university's positions in the world rankings

	—	The Times Higher Education World University Rankings 2022 (22nd place out of 76 Russian universities)	—	1201+
	—	The Times Higher Education World University Rankings by subject: Engineering 2023	—	1001+
	—	The Times Higher Education Impact Rankings 2023	—	1001+
	—	Three missions of the University (87th place out of Russian universities)	—	1501+
	—	Rating of the best universities in Russia RAEX-100, 2022	—	92
	—	QS University Rankings: Emerging Europe and Central Asia 2022 (56 th place out of 129)	—	301+

Educational activities

Educational activities

65

Bachelor's degree

6

Specialist`s degree

33

Master`s degree

32

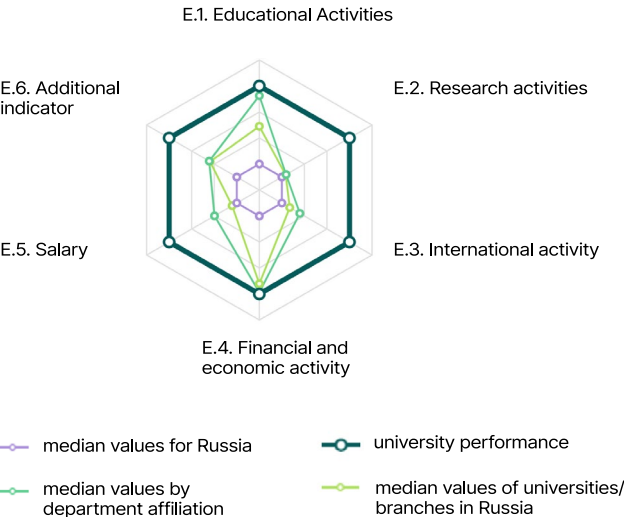
Postgraduate degree

14

Secondary professional education

- Architecture
- Construction
- Informatics and Computer Engineering
- Electric and thermal power engineering
- Engineering
- Chemical technologies
- Industrial ecology and biotechnologies
- Technosphere safety and environmental management
- Monumental and decorative art
- Aviation and rocket and space technology
- Weapons and weapon systems
- Materials technology
- Transport
- Economics and Management

Monitoring indicators of MON - 2022 (for 2021)



Number and geography students



The total number of students entered VSTU at the main educational programs on 01.01.2023 is 17,720 people. In 2022, admission for all forms of education amounted to 2,634 people in higher and secondary vocational education programs, including 2,089 people, who entered full-time educational programs.

According to the results of admission in 2022, the geography of those who submitted documents for admission to the university: 68% live in Volgograd and districts of the Volgograd region, 10% – live in other regions of the Russian Federation, 22% - international students.

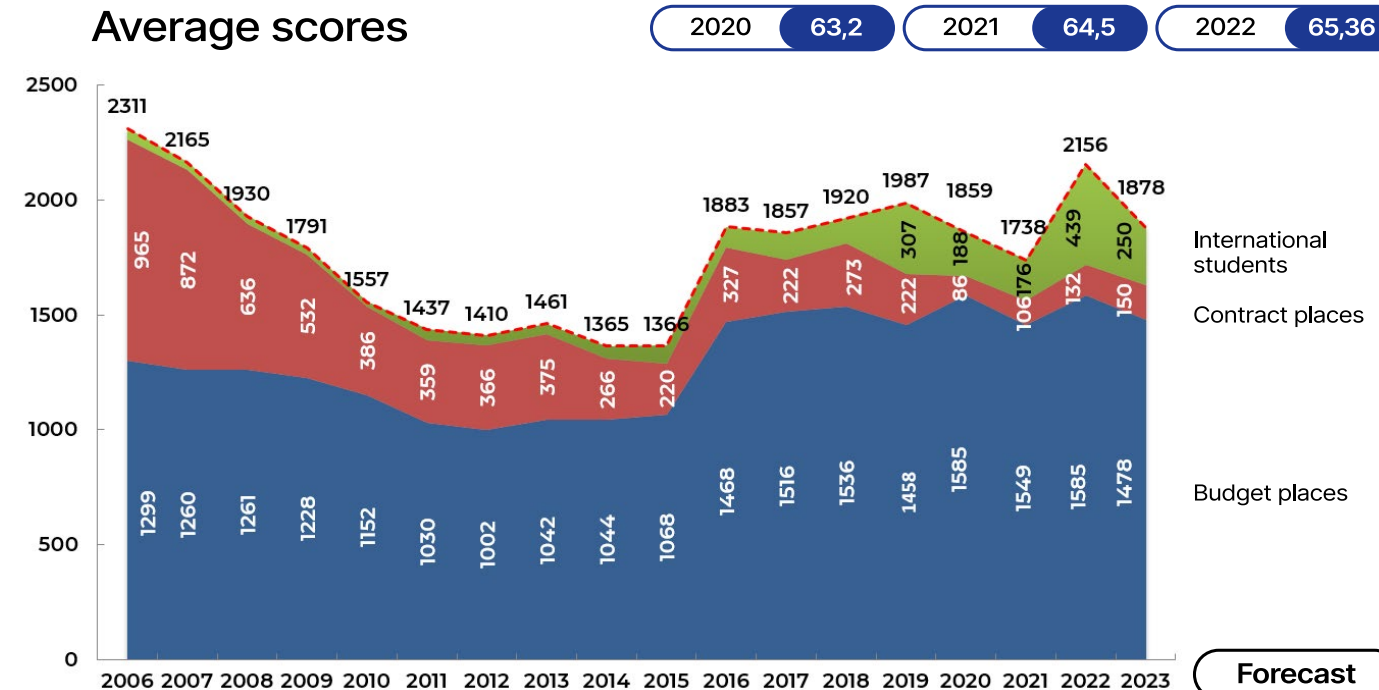
Admission of applicants to VSTU

According to the results of admission in 2022, the average score of the Unified State Exam was 65.36. The most popular areas of training among applicants in 2022 were «Software Engineering », «Computer Science and Computer Engineering, «Automation of production processes».



Dynamics of students' admission for full-time education form at VSTU and branches

Average scores



International status of VSTU

It is a recognized training center for international students from many countries of Europe, Asia, Africa, Middle East, Latin America. Graduates of the university work in more than 80 countries of the world. Currently, 1,772 international students from 54 countries of the world are studying here, including 1,303 students of full-time programs, 217 students of part – time programs, 120 students of correspondence courses and 132 students of pre-university trainings.



Work with the youth of VSTU

Adaptation of freshmen

Institute of Curators (curator-teacher, curator-student). Presentation of opportunities for students in the university, in the region, in the Russian Federation.

Extracurricular work

Formation of an Ecosystem of youth policy (each student must find his place at the university). Development of the club movement, communities at the university (patriotic club «I am proud», engineering club, environmental club and etc.)



Student government community

Increasing the level of students' participation in forums, events of the university, the region and the Russian Federation (83% of the number of students). Participation together with mentors in specialized areas in the implementation of the youth policy program.



Technological entrepreneurship

Ecosystem: Competence Center – a program for the development of skills in the Center of project activities - A Career and Employment Center.

Project Support Center POLYGON

The key function is development and «launch» of a comprehensive program of initiation and support activity of students, teaching staff, graduates, representatives of partner enterprises.

Current task

To link into a single mechanism the individual elements of involvement model - entrepreneurs, who are ready to bring technological products to the market. The formation, institutionalization and replication of these mechanisms are parts of the strategic priorities of the university.

Tasks

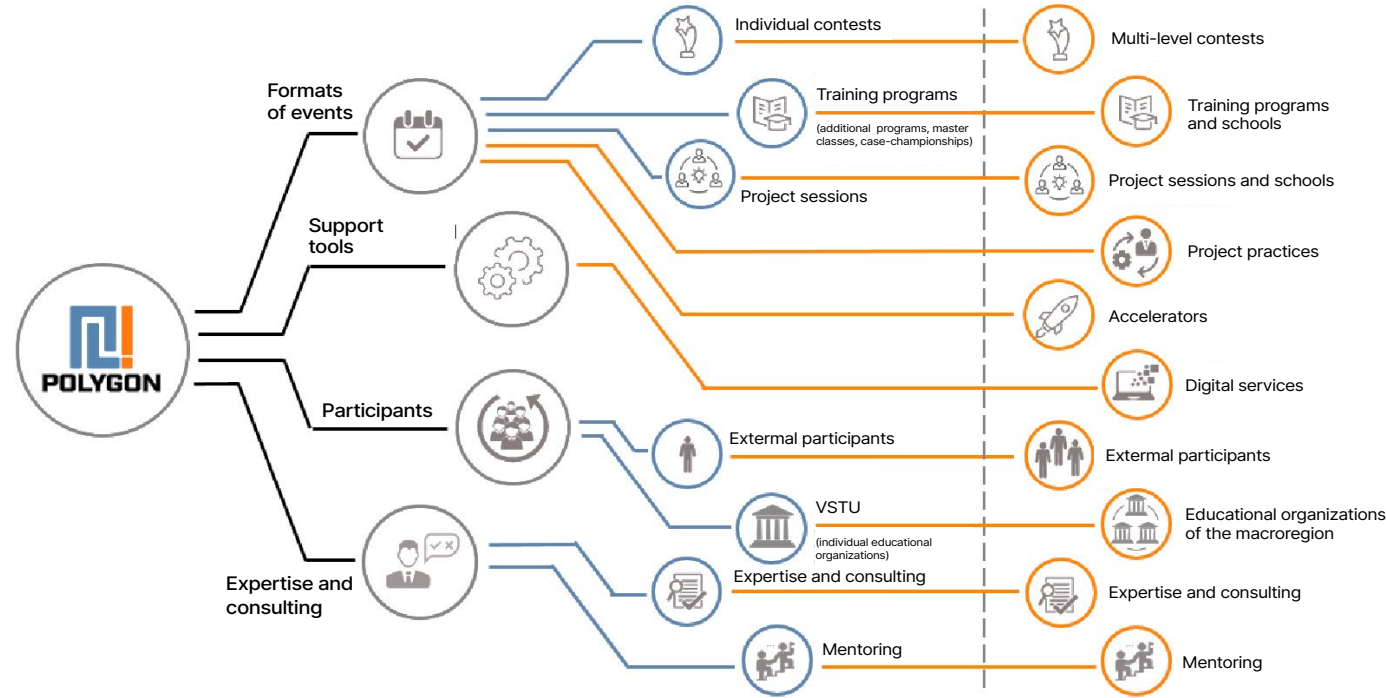
Providing space for professional students' self-realization through project activities, obtaining relevant competencies and cross-cutting knowledge, developing entrepreneurial thinking, holding business meetings.

Practical value for participants

In support of scientific and technological developments of young people, including their promotion at the regional and federal levels.



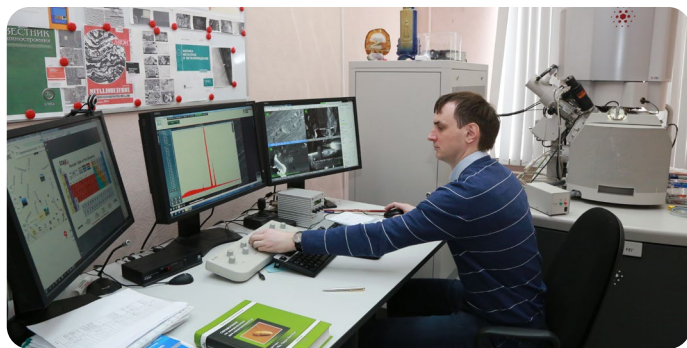
Functional field of POLYGON Project Activity Center



Scientific activity of the university

The scientific achievements of VSTU scientists are widely known in the Russian Federation and abroad. The main scientific directions in which research of a fundamental and applied nature is intensively conducted are related to the creation of promising composite polymer, metal and ceramic materials; the development of new robotics facilities and promising vehicles; proactive intelligent control systems for technical facilities and etc.

Within the framework of import substitution, the university conducts work on design documentation for component parts. In 2022, VSTU became the winner of the competitive selection for the right to receive grants for the development of design documentation in accordance with the Decree of the Government of the Russian Federation No. 208 dated February 18, 2022 «On Granting Subsidies from the Federal Budget to the autonomous non-profit organization «Agency for Technological Development» for supporting projects that envisage the development of design documentation for industrial components».



Scientific activity of the university

Receiving grants

VSTU scientists actively participate in competitions of grants on various levels. In 2022, the volume of funding for basic research amounted to 138 million rubles. In terms of the number of holders of presidential grants and scholarships, VSTU has been consistently at the 2nd place in the Southern Federal District for a number of years. VSTU has implemented a lot of regional projects for more than 200 million rubles in 5 years: creating of a comfortable urban environment, developing urban areas, improving the environment.

Inventive activity

VSTU occupies a leading position in the field of inventive activity among universities of the Russian Federation. In the Volgograd Region, VSTU receives about half of the total number of patents in the region, and according to Rospatent VSTU in 2018 took the third position in the country in terms of the number of patents received. Over the past few years, 17 licenses have been sold for the amount of 15.6 million rubles. Among the foreign licensees are Cameron (USA), Vietnamese companies «Thuan Thany Invescon» and OMI Vietnam Co. Ltd, JSC «Olainfarm» (Latvia).

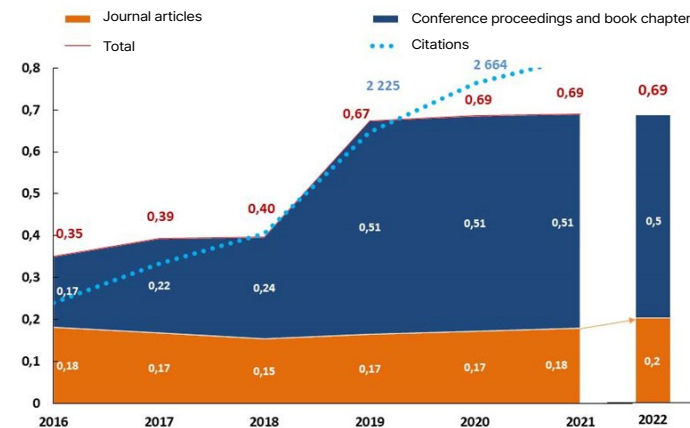


Scientific activity of the university

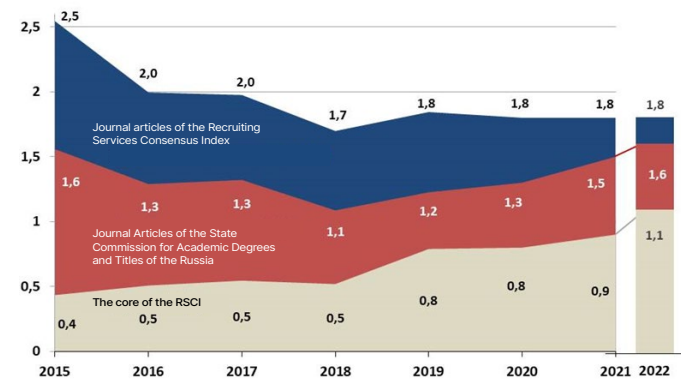


Publications

The publication activity of university professors is high. 17 monographs, 4 textbooks, 252 workbooks (14 of them with a stamp) were published and actively registered in the database «Publications of employees of VSTU». 1231 articles were published in journals of State Commission for Academic Degrees and Titles and also in foreign journals, over 7000 scientific articles and abstracts of reports were created, 230 security documents were received on the objects of intellectual property rights in 2022.



Publication activity of VSTU scientists (according to SCOPUS data), publ./st. of teaching staff

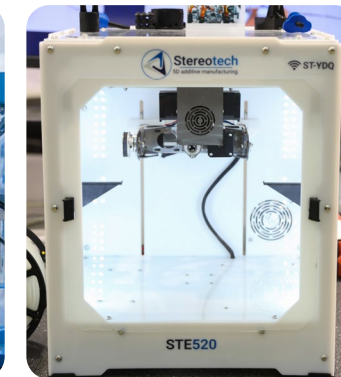


Dynamics of publication activity of university faculty in journals indexed by RSCI, articles/st. of faculty

Innovative activity

VSTU is one of the few Russian universities that has its own research center with experimental production – the Volga Scientific and Technical Complex (VSTC). This is a powerful research and production complex, a unique techno park of the university, capable of solving many tasks that the country faces in the conditions of severe economic sanctions from the West.

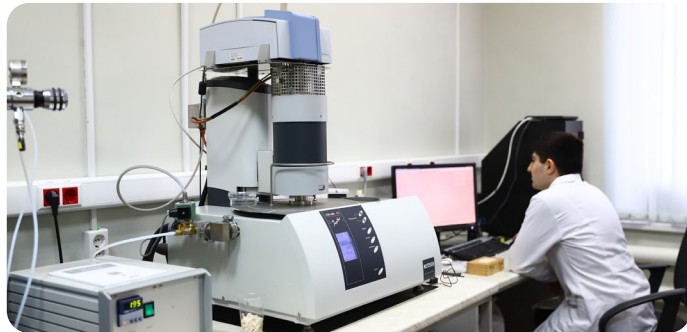
The range of VSTC includes more than 20 thousand items of products. More than 50% of the production are the orders of the Ministry of Defense of the Russian Federation. The volume of science-intensive VSTC products shipped annually averages about 400 million rubles.



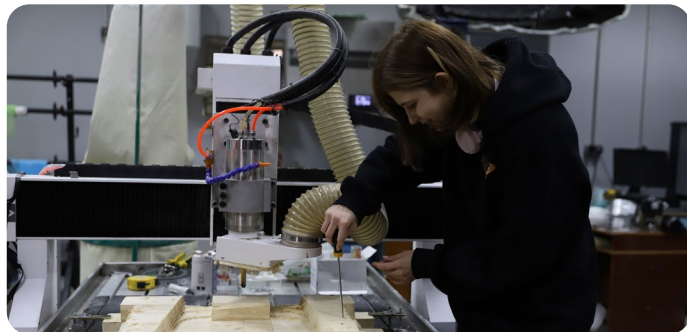
The engineering center «Polymer Composite Materials and Technologies» operates at the university too. The volume of services provided by the center in 2022 amounted to about 76.5 million rubles, including 21.6 million rubles for the regional order. The volume of scientific, scientific-technical and engineering services rendered by the University amounted to 640.8 million rubles.

REC of the South of Russia

VSTU as a part of the participants of the Interregional Scientific and Educational Center of the South of Russia became the winner of the All-Russian competitive selection of world-class scientific and educational centers in 2021. Participation in the REC of the South of Russia made it possible to establish a certification center for polymer, composite and hybrid materials on the basis of VSTU.



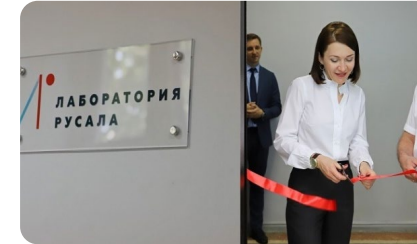
And it also allowed VSTU laboratory of polymer, composite and hybrid materials to win the competition within the framework of the national project «Science and Universities». This victory allowed us to create in 2021-2024 laboratories, which are led by young promising researchers, so it is possible to secure 20 young PhD students, postgraduates and students at the university.



Practices of effective cooperation with employer partners



Trubnaya Metallurgicheskaya
Kompaniya`s classroom



Corporate Center for Youth Initiatives
"RUSAL Laboratory"



Opening of the base department of
VSTU on Volgogradskiy Metallurgicheskiy
Zavod Krasnyy Oktyabr



Meeting with representatives
of PJSC Gazprom



New master's program "Chemical methods
for enhanced oil recovery"

Material base and equipment of the university



VSTU is a modern multi-campus university with a promising scientific and industrial infrastructure: multi-media classrooms, an information and bibliographic center, a scientific and production base, laboratories with modern equipment.

There are 30 academic buildings, 8 dormitories, 17 sports and health facilities. There are 156 real estate objects with an area of 289.2 thousand m2, 57 linear objects with a length of 18.1 thousand m and 35 land plots with an area of 50.3 hectares.

Strategic partners



Volgograd Metallurgical Plant “Krasnyj oktyabr”, LLC “Volgograd Meat Processing Plant”, United Co. “RUSAL”, LLC “Singulyaris LAB”, PJSC “Severstal”, LLC “ARKONT”, LLC “Migo-Grupp”, LLC “EvroHim-VolgaKalij”, JSC “Sady Pridonya”, PJSC “Pipe Metallurgical Company”, JSC “Kaustik”, LLC T.D. “Grass”, PJSC “Gazprom”, PJSC “Lukoil”, PJSC “VTB Bank”, PJSC “Rosseti”, JSC “Russian Railways”.

Employment of graduates (bachelor’s degree, master’s degree)

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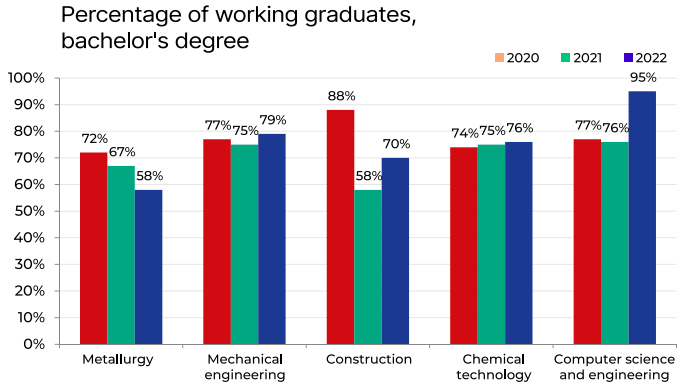
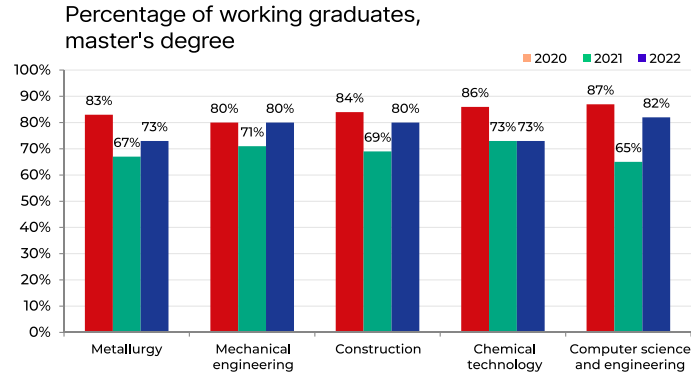
The best universities in Russia according to hh.ru 2021-2022 employment rating, 368 universities of the Russian Federation)

Place	Region	Name of the university	The demand for graduates from employers	Final score
49	Volgograd region	Volgograd State Technical University	6.9	101.9

SuperJob

List of the best universities by salary level of IT graduates 2016-2021 (SuperJob, 20 places)

	Salary in Moscow	Average exam score 2021	Students in the city of studying
19	105 000 ₮ +20 000	74,8	60%
	Volgograd State Technical University		



Partners-employers of VSTU

