



Don State
Technical University

DON STATE TECHNICAL UNIVERSITY

www.donstu.ru

ROSTOV-ON-DON

SOUTHERN BUSINESS AND INDUSTRIAL CAPITAL



Official Tourist
Website of Rostov-
on-Don

tourism.rostov-gorod.ru

1 352 000

population

348 км²

area

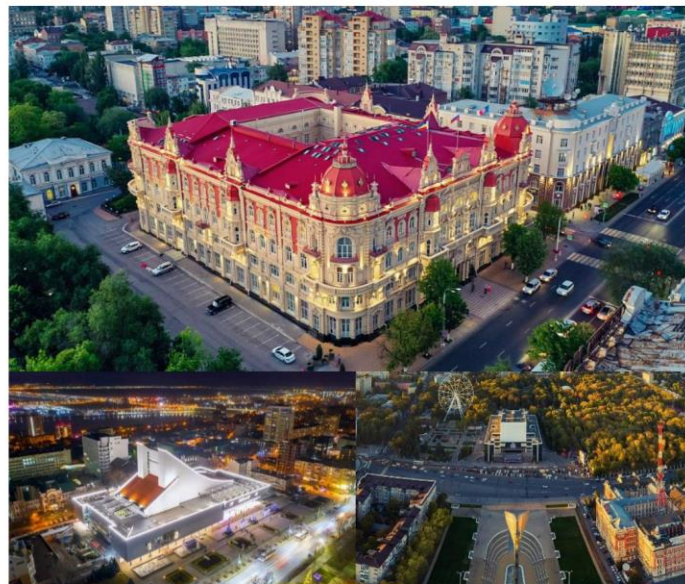
90 000+

enterprises and companies

TOP-10 AWARDEE

“investment attractive city”

www.rostov-gorod.ru



DON STATE TECHNICAL UNIVERSITY



Передовые
инженерные
школы

приоритет2030⁺
лидерами становятся



45 000+
students

500+
study
programs



5
branches

Don Institute SJU-DSTU
(China, Shandong Province)

5 colleges



Secondary school

Don cadet school

Kindergarten

3 000+
international
students

24
faculties

79
buildings



DSTU IN UNIVERSITY RANKINGS



Times Higher Education
World University
Ranking

1001-1200



The Three
University Missions

1501-1750



World University
Rankings

1201-1400



Ranking of Green
Universities in Russia

20



100 best
universities in Russia

75



QS: Emerging Europe
and Central Asia

301-350

DSTU CAMPUS



«Nauka» Industrial facility



New dormitories



Scientific-educational facilities

NEW CAMPUS



DSTU STRUCTURE

5 fields
of study

ARTS & HUMANITIES

LIFE SCIENCES
& BIO MEDICINE

NATURAL SCIENCES

SOCIAL SCIENCES

ENGINEERING & IT



24 faculties

Aircraft Engineering

Agribusiness

Mechanical Engineering

International

Automation, Mechatronics
and Control

Power Engineering, Oil
and Gas Industry

Institute of Emerging Technologies
"X School"

Mechanical
Engineering

Media Communications
and Multimedia Technologies

Psychology, Pedagogy
and Defectology

Construction
and Engineering

Life Safety and Environmental
Engineering

Civil and Industrial
Engineering

Applied Linguistics

Physical Training
and Sports

Architecture, Design
and Art School

IT-systems and
Technologies

Road Transport
Engineering

Shipbuilding and Marine
Engineering

Bioengineering and
Veterinary Medicine

Innovative Business
and Management

Service
and Tourism

Law

Social and Human Sciences

EDUCATION FOR THE FUTURE: TRANSFORMATION MODEL

T-UNIVERSITY PROJECT

Developing study program and adjusting the organizational model of the university such that a graduate's competency profile fully corresponds with the changing market requirements and global challenges

Bachelor's program



Customized and flexible



Activity based (applied) approach



Effective team-working environment

Master's program



Leading to PhD
cutting-edge fundamental research



Applied research
based on business cases

INDUSTRY-UNIVERSITY DEPARTMENTS

21

industry-university
departments

13

degree-granting
departments



Transport systems
and logistics



ТАНТК
ИМ. Г.Г. БЕРИЕВА

Aircraft systems for special
operations manufacturing
technology

РОСТСЕЛЬМАШ

Agricultural machinery
engineering
and production



Agribusiness products
processing
technologies and equipment



Orthodox culture and
theology



Veterinary dentistry and
oral surgery



Steel and its alloys
production technologies



Drive systems



Non-ferrous
metal processing



Design and engineering
support of drive systems
production



Automated
control systems



Technical means of fish
farming



Transport
machinery



Ichthyology and
fish pathology



Hardware and
software systems



Engineering management
in construction



Industrial
metrology



Multimedia communications
and technologies



Social pedagogy



Power plant engineering



Aircraft engineering

BOARD OF TRUSTEES

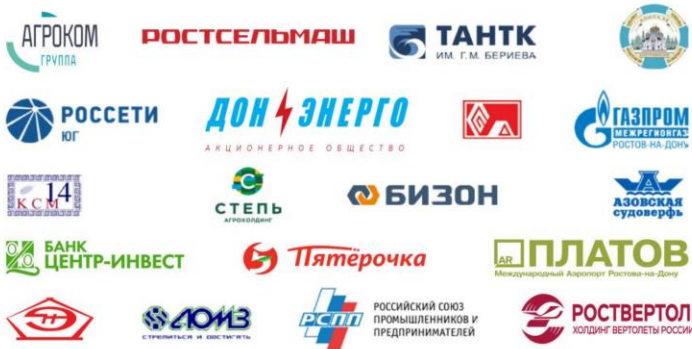


IVAN SAVVIDI

The president of the board of trustees, Chairman of the Board of Directors of the «Agrocom Group» - the leading agricultural company in Russia

21

Prominent members of administrative and business communities



DIRECTION OF SCIENTIFIC RESEARCH

приоритет2030⁺
лидерами становятся



Renewable energy



Industry



Construction



Digital agriculture



Bioengineering



New technologies for medicine

LABORATORIES AND TRAINING CENTRES

**BIZON TRADE:
MODERN AGRICULTURE**



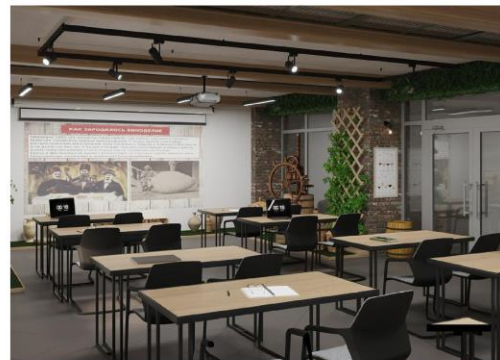
**INNOVATION CENTRE
WITH AMAZONE WERKE**



**«NAUKA»
INDUSTRIAL FACILITY**

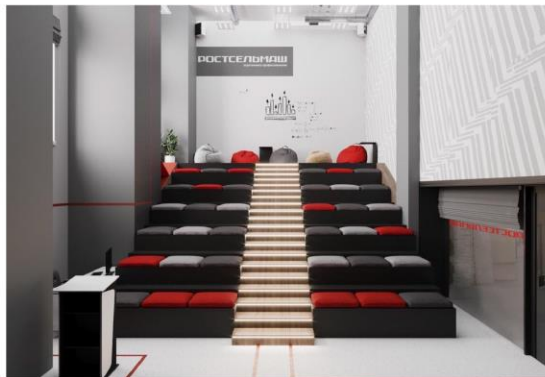


WINERY AND WINE-MAKING LABORATORY 'BIZON' AGRO-TECHNOLOGY HOLDING



MACHINERY BUILDING LABORATORY ROSTSELMASH

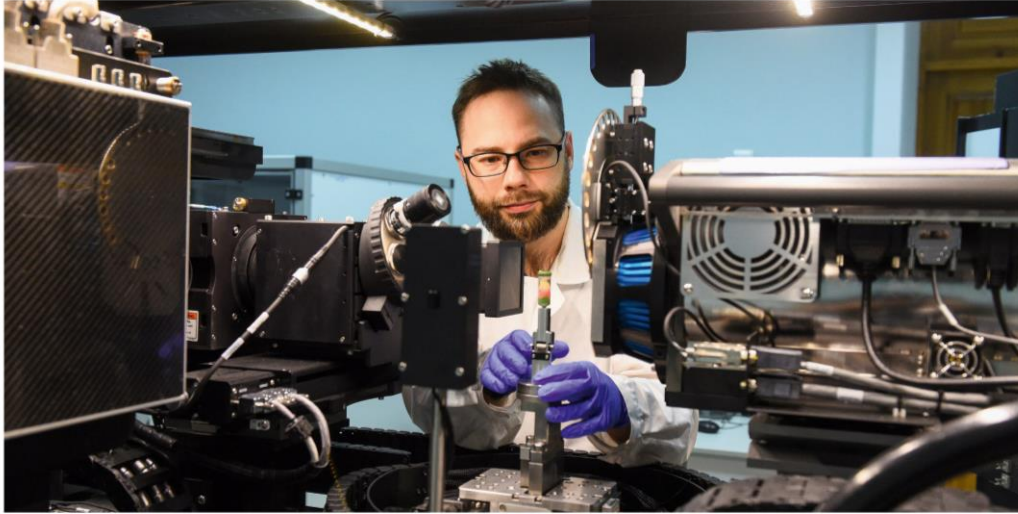
РОСТСЕЛЬМАШ



AGRO CHEMISTRY AND AGRO SOIL SCIENCE LABORATORY 'STEPPE' AGRICULTURAL HOLDING



LABORATORIES FOR YOUNG SCIENTISTS



3 LABORATORIES

to support young aspiring scientists working
on industrial partner companies cases



INNOVATIVE AND SCIENTIFIC PROJECTS

PERSPECTIVE ROBOTIC MACHINES AND COMPLEXES



PhD, Tampere
University of
Technology
(Finland)
V. Katkovnik

Machines for balancing flexible rotors development, high technology multi camera systems and unmanned aircraft for threat detection

CENTER OF AGRICULTURAL BIOTECHNOLOGIES



Head, Professor
of Rutgers
University (USA)
M. Chikindas

Multi-layer composite materials
for aircraft industry and medicine

ADVANCED MATERIALS



Head, Professor at
the University of
Sydney, (Australia)
M. Swayne

Veterinary probiotic drugs for targeted animal
health modeling

AGROTECH – FOODDESIGN – AQUATRACK



Creation of biopharmaceuticals line for therapeutic and preventive effect on aquaculture. Scientific and educational center of South Region project with Academy of Sciences of Republic of Uzbekistan and Institute of Microbiology

SOUTHERN SCIENTIFIC AND EDUCATIONAL CENTRE

приоритет2030⁺
лидерами становятся

MISSION

- to develop the new global sustainable food system based on ESG principles

STRATEGIC GOALS

- unified and balanced economical, social, and spatial development taking into account the interests of both modern and future generation of the South of Russia

MAIN FIELDS

AgroTech

FoodDesign

AquaTrack

ELECTRIC TRANSPORT AND
TECHNOLOGICAL MACHINES IN THE
AGRO-INDUSTRIAL COMPLEX AND
ROAD CONSTRUCTION COMPLEX

UNMANNED AGRICULTURAL
MACHINES OF THE 4TH LEVEL OF
AUTONOMY

YOUTH LABORATORY «INTELLIGENT
ELECTRICAL AGRICULTURAL
MACHINES AND COMPLEXES»



PROGRAM COORDINATOR

PARTICIPANTS

3 regions



12 universities



8 scientific centres



20 Real economy companies



6 Development institutes

DSTU INSTITUTE OF ADVANCED MECHANICAL ENGINEERING “ROSTSELMASH”

приоритет2030⁺
лидерами становятся

Institute Of Advanced Mechanical Engineering
“Rostselmash”- in the field of agricultural machinery building

2022 - The Ministry of Science and Higher Education federal grant

DSTU and “Rostselmash” — the main producer of agricultural machinery in the South of Russia

4 key scientific research projects



Передовые
инженерные
школы



РОСТСЕЛЬМАШ



UNITED HEALTH PROJECT

KEY ELEMENTS:

- Antibiotics resistance as the critical threat to the planet
- Global challenges: Bioethics problems solution, enhancing quality of life of live species
- HTP neuronet global challenges: cognitive neurotechnologies, oncogenesis, digital IT diagnostics, BCI, AI
- Residency program for practicing vets



AGROMATICS PROJECT

приоритет2030⁺
лидерами становятся

KEY ELEMENTS:

- Intellectual platforms for agricultural and multi-use machinery
- Development of cutting-edge agricultural machinery, equipment and technologies for precision planting, adaptive harvesting and processing of crops
- Agromatics digital platform
- Smart feed



STUDENT STARTUP GRANT SCHEME

(1500 GRANTS/1 MLN. RUB EACH)



UNIVERSITY
STARTUP STUDIOS

ENTREPRENEURSHIP
TRAININGS

ENTREPRENEURSHIP
SPACES

INVESTMENT IN
STUDENT STARTUPS

ACCELERATION
PROGRAMS

DSTU DISSERTATION BOARDS

10

Dissertation boards

10

Leading scientists,
heads of the
scientific schools

1	Machinery building technologies
2	Construction
3	Construction mechanics
4	Animal pathology, morphology, physiology, pharmacology and toxicology
5	Labour safety Machinery, units and technology processes
6	Technology and equipment for agriculture
7	Social and political philosophy Philosophy of religion and religious studies
8	Pedagogy Psychology
9	Regional and branch economics Management
10	Material studies

SCIENTIFIC JOURNALS AND PUBLICATIONS

ARTICLES INDEXED IN 2022

582 Scopus

ARTICLES INDEXED IN 2023

138 Scopus

101 Web of Science

DSTU SCIENTIFIC JOURNALS

13 Journals

2 to be established
in 2023



- Veterinary Pathology
- Legal Order and Legal Values
- Modern Trends in Construction, Urban Development and Territory Planning
- Advanced Engineering Research
- Safety of Technogenic and Natural Systems

- Scientific Almanac of the Black Sea Countries
- Innovative Science: Psychology, Pedagogy and Defectology
- The Don Region Young Researcher
- Computational Mathematics and Information Technologies
- Economics and Ecology of Territorial Units

FORMS OF COOPERATION IMPLEMENTATION

**Institutional
partnership**

**Joint study
programs**

**English-taught
programs**

**Innovative research
projects**

**Academic
mobility**

**Distance
learning**

INSTITUTIONAL PARTNERSHIP

OPENING OF REPRESENTATIVE OFFICES IN UZBEKISTAN

2 representative offices of DSTU



Silk Road International University of Tourism and Cultural Heritage



Bukhara State University

COOPERATION WITH EMBASSIES

Forms of cooperation

- EDUCATION
- REGIONAL COOPERATION
- TECHNOLOGY TRANSFER
- NETWORK PARTNERSHIP

DON INSTITUTE SJU-DSTU



18.06.2019



100 students
per program



JOINT EDUCATIONAL PROGRAMS

Construction of Bridges and Tunnels

Organization of Transportations and Transport Management

Computer Science and Technology

JOINT STUDY PROGRAMS

BACHELOR'S DEGREE

2 years in partner university + 2 years in DSTU



DUAL DIPLOMA

MASTER'S DEGREE

1 year in partner university + 1 year in DSTU



DUAL DIPLOMA

32

joint study
programmes

THE MAJOR AREAS:

- Construction
- Veterinary Medicine
- Tool Engineering
- Technosphere Safety
- Cybersecurity of systems
- Software Engineering
- International Economics
- Applied Informatics
- Robotics and Mechatronics
- Psychophysiology and Clinical psychology

STUDY PROGRAMS IN FOREIGN LANGUAGES

11 study programs
in English:

BACHELOR`S DEGREE

- Digital Technologies in Agribusiness
- Computer Science and Engineering
- Web-based Information and Analytical

EXTENDED BACHELOR`S DEGREE (5 YEARS)

- Pharmacy

MASTER`S DEGREE

- Aircraft Maintenance
- Big Data and Intelligent Systems
- Civil Engineering
- Intelligent Transport Systems
- Sanitary Inspection, Clinical and Laboratory Diagnostics in Veterinary Medicine
- International Business
- Multimedia Projects Producing

68 modules/subjects
in English

- | | |
|---------------------------|------------------------------------|
| ■ Construction | ■ Robotics and Mechatronics |
| ■ Veterinary Medicine | ■ Psychology and Education Science |
| ■ Tool Engineering | ■ Architecture |
| ■ Technosphere Safety | ■ Transport Logistics |
| ■ Software Engineering | ■ Aircraft Engineering |
| ■ International Economics | ■ Media Communications |
| ■ Applied Informatics | |

INTERNSHIPS/SHORT-TERM PROGRAMS

TYPES

- Traineeship + project (3-6 ECTS)
- Programmes 1-4 months (5-30 ECTS)

Architecture, Design and Art School

- Architecture expeditions
- Objects of culture research
- Objects of cultural heritage restoration

Facilities complex «Nauka»

- Agricultural Biotechnologies
- Bio- and Medical Engineering
- Energetics
- Aircraft Engineering
- Agricultural Engineering
- Media Communications
- Materials Science

Institute of Emerging Technologies «X School»

- Soft skills laboratory
- Steam-technologies
- International tutors

Animation technology park «Magica»

- Animation, 2D and 3D visualization
- Mobile apps development
- Game design
- Sound design
- VR/AR
- Motion capture equipment

Mediapark «South Region – DSTU»

- Medialab (Radio and TV broadcasting)
- Production center
- Design studio

DISTANCE LEARNING

V-DSTU PROJECT 2022

Virtual mobility package



MEDIA CAMP DSTU

International school for digital media competences development



DONLAND EXPLORER

Cultural Education Projects,
Local history and culture studies

MODULES AND SUBJECTS OF JOINT STUDY PROGRAMMES

PROGRAM STRUCTURE

Russian as a foreign language + profiles

- Engineering and technical
- Natural sciences
- Economic
- Humanitarian
- Medico-biological

Certificate in standard format

Additional study programs

- Russian as a foreign language (in accordance with TORFL levels)
- The Russian language for business
- The Russian language for engineers
- Teaching Russian as a foreign language (from Elementary to Advanced levels)

Head testing center

- Preparation for a test to obtain an international certificate confirming the level of the Russian language proficiency

SOCIAL AND CULTURAL PROJECTS

- DAYS OF NATIONAL CULTURES
- SPANISH THEATER
- SPANISH FOOTBALL
- VARDZIA
- REAL MADRID FOOTBALL ACADEMY

INTERNATIONAL STUDENTS MEDIA EXPEDITIONS

- «ROUTES OF THE QUIET DON»
Together with Chinese students
- ANNUAL MEDIA PROJECT
«COMMON VICTORY»
Shot with the participation of students
from the CIS With subtitles in Chinese
DSTU film «Battles of local significance»





Don State
Technical University

THANK YOU FOR ATTENTION

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