DON STATE TECHNICAL UNIVERSITY
ROSTOV-ON-DON
SOUTHERN BUSINESS AND INDUSTRIAL CAPITAL

1 352 000
population

348 KM²
area

90 000+
enterprises and companies

TOP-10 Awardee
“Investment attractive city”
www.rostov-gorod.ru

STRATEGIC CLUSTERS

• machine engineering and equipment
• food industry
• aircraft engineering
• chemical industry
• light industry
• metallurgy
DON STATE TECHNICAL UNIVERSITY

1930
North-Caucasus Institute of Agricultural Machinery Building

1992
Don State Technical University

2016
The Flagship University

5 000+ staff
46 000+ students
3 000+ international students

5 branches
134 departments
24 faculties
341 study programs

5 branches
134 departments
24 faculties
341 study programs
## DSTU Structure

### 5 fields of study
- **ARTS & HUMANITIES**
- **LIFE SCIENCES & BIO MEDICINE**
- **NATURAL SCIENCES**
- **SOCIAL SCIENCES**
- **ENGINEERING & IT**

### 24 faculties
- **AGRIBUSINESS**
- **AIRCRAFT ENGINEERING**
- **ARCHITECTURE, ART AND DESIGN SCHOOL**
- **AUTOMATION, MECHATRONICS AND CONTROL**
- **CONSTRUCTION AND ENGINEERING**
- **INNOVATIVE BUSINESS AND MANAGEMENT**
- **INTERNATIONAL**
- **IT AND ECONOMIC SYSTEMS**
- **PSYCHOLOGY, PEDAGOGY AND DEFECTOLOGY**
- **SERVICE AND TOURISM**
- **MECHANICAL ENGINEERING**
- **MEDIA COMMUNICATIONS AND MULTIMEDIA TECHNOLOGIES**
- **OIL AND GAS INDUSTRY**
- **PHYSICAL TRAINING AND SPORTS**
- **ROAD TRANSPORT ENGINEERING**
- **SOCIAL AND HUMAN SCIENCES**
- **TOOL ENGINEERING AND TECHNICAL REGULATION**
- **TRANSPORT, SERVICE AND MAINTENANCE**
- **CIVIL AND INDUSTRIAL ENGINEERING**
- **LIFE SAFETY AND ENVIRONMENTAL ENGINEERING**
- **IT-SYSTEMS AND TECHNOLOGIES**
- **MACHINERY ENGINEERING AND EQUIPMENT**
- **LAW**

### 134 departments

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DON STATE TECHNICAL UNIVERSITY

www.donstu.ru
### Study Programs

**Lifelong and Lifewide Learning**

<table>
<thead>
<tr>
<th>Study Program</th>
<th>Type</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>PhD (3 Years)</td>
<td>Engineering &amp; IT</td>
<td></td>
</tr>
<tr>
<td>Master (2 Years)</td>
<td>Arts &amp; Humanities</td>
<td></td>
</tr>
<tr>
<td>Bachelor (4 Years)</td>
<td>Natural Sciences</td>
<td></td>
</tr>
<tr>
<td>Secondary Education</td>
<td>Social Science</td>
<td></td>
</tr>
<tr>
<td>Secondary Education</td>
<td>Arts &amp; Humanities</td>
<td></td>
</tr>
<tr>
<td>Secondary Education</td>
<td>Technical Lyceum</td>
<td></td>
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<tr>
<td>Secondary Education</td>
<td>Gymnasium</td>
<td></td>
</tr>
<tr>
<td>Secondary Education</td>
<td>Colleges</td>
<td></td>
</tr>
<tr>
<td>Secondary Education</td>
<td>Emperor Nikolay II Don Cadet School</td>
<td></td>
</tr>
</tbody>
</table>

**Provide Program Details:**

- **PHD (3 Years):** Engineering & IT, Arts & Humanities, Natural Sciences, Social Science.
- **Master (2 Years):** Engineering & IT, Arts & Humanities, Natural Sciences, Social Science, Life Sciences & Bio Medicine.
- **Bachelor (4 Years):** Technical Lyceum, Gymnasium, Colleges, Emperor Nikolay II Don Cadet School.

**341 Study Programs**

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**Don State Technical University**

www.donstu.ru
C ORPORATE DEPARTMENTS

19 corporate departments

- Transport systems and logistics
- Multimedia communications and technologies
- Clothes design and production
- Steel and its alloys production technologies
- Industrial metrology
- Aircraft engineering
- Transport machinery
- Drive systems
- Power plant engineering
- Hardware and software systems
- Ecological inspection and permitting activities

- Automated control systems
- Radiolocation complexes and navigation systems
- Aircraft systems for special operations manufacturing technology
- Technical means of fish farming
- Agribusiness products processing technologies and equipment
- Heat and gas supply systems
- Agricultural machinery engineering and production
- Non-ferrous metal processing
- Orthodox culture and theology
- Design and engineering support of drive systems production
DSTU FACILITIES

RDI AND SPIN-OFF POOL

- 4 research and education centers
- 30 labs incl. co-departmental (Camozzi, Mitsubishi, Alcoa, Festo, Kovosvit MAS, etc.)
- Rosatom Nuclear Energy Centre
- Nanotechnologies Education Park
- South Russia Engineering Centre
- Robotics Resource Centre
- Technopark
- Mediapark
- Agrotechnopark
- 10 spin-off companies
## DSTU FACILITIES

<table>
<thead>
<tr>
<th>30</th>
<th>faculty buildings</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>students residence houses</td>
</tr>
<tr>
<td>6</td>
<td>branches</td>
</tr>
</tbody>
</table>

### CONGRESS HALL
- Concert hall – **1500 seating capacity**
- Multimedia rooms
- Press conference venue
- **Multimedia** equipment
- **Multi-language** broadcasting
- Satellite TV link-up

### MEDIAPARK
- Media Lab (Radio and TV broadcasting)
- Production center
- Design studio
- TV school
- Cartoon studio
DSTU FACILITIES

INDUSTRIAL CO-WORKING SPACE

- one-stop operation principle
- access to industrial laboratories
- project promotion support
- open-plan area
- mobile equipment and facilities
- ideas and experience exchange platform
- excellent environment for business development

25 small businesses
13 project teams (9 with student participation)
CAMPUS 4.0

SCIENTIFIC-EDUCATIONAL COMPLEX

NEW DORMITORIES

1200 PLACES

23 FLOORS
MAIN SCIENCE AREAS

RISK-ORIENTED TRANSFORMATION OF THE AG-INDUSTRIAL COMPLEX
- digitalization of agricultural land monitoring
- precision farming
- the Internet of things, cyber-physical systems and cloud services
- intelligent and self-driving means of agricultural mechanization

BIOLOGICAL AND MEDICAL ENGINEERING
- organic, individualized and functional food products
- nano- and biotechnologies
- additive technologies in medicine
- Prospective technologies and devices in medicine

RESOURCE-SAVING ENERGY
- alternative energy
- deep processing of hydrocarbon raw materials
- new energy source
- smart energy networks
- innovative methods of energy storage and recycling

RATIONAL KAP PRODUCTION CYCLE
- biomanipulations, biocontrol, biologization of agriculture
- Green economy and sustainable development
- Deep processing of agricultural products
- Technologies and equipment for feed production

DIGITAL TRANSFORMATION OF THE INDUSTRIAL COMPLEX
- the Internet of things, cyber-physical systems and cloud services
- equipment diagnostics and non-destructive testing
- Additive technologies and generative design
- Industrial robotic systems

DON STATE TECHNICAL UNIVERSITY
CENTERS OF EXCELLENCE

CENTRE OF EXCELLENCE «ADVANCED ROBOTIC MACHINES AND COMPLEXES»
Machines for balancing flexible rotors development, high technology multi camera systems and unmanned aircraft for threat detection

CENTRE OF EXCELLENCE «ADVANCED MATERIALS»
Multi-layer composite materials for aircraft industry and medicine

RESEARCH LABORATORY «AGRO-BIOTECHNOLOGICAL CENTER»
Veterinary probiotic drugs for targeted animal health modeling

Professor Mr. Mikhail Chikindas
Head of research laboratory «AGRO-BIOTECHNOLOGICAL CENTER», Scientist, Professor of Rutgers University (USA, New Jersey)
INTERNATIONAL COOPERATION

- REAL MADRID-DSTU ACADEMY "BILINGUAL SECTIONS" PROJECT
- INSTITUTIONAL PARTNERSHIP
- DOUBLE DIPLOMA PROGRAMS
- INTERNATIONAL PROJECTS AND GRANTS
- TEMPUS IV AND ERASMUS + PROJECTS
- NETWORKING
- DOUBLE DIPLOMA PROGRAMS IN COOPERATION WITH EU AND CHINA HEIS
- COLLABORATION IN SPORTS AND CULTURE

DON STATE TECHNICAL UNIVERSITY
АЛЮМИН

Институциональное партнерство
Создание программ двойного дипломирования
Взаимодействие в сфере культуры и спорта
## Partner Countries

### Europe
- Spain
- Germany
- Georgia
- Belgium
- Belarus
- Denmark
- Estonia
- Finland
- France
- Italy
- Poland
- Portugal
- United Kingdom
- Czech Republic
- Ukraine

### Asia
- Armenia
- Azerbaijan
- China
- India
- Indonesia
- Iran
- Israel
- Japan
- Kazakhstan
- Kyrgyzstan
- Moldova
- Palestine
- Sri Lanka
- Tajikistan
- Turkey
- Uzbekistan
- Vietnam
- Nepal

### Africa
- Algeria
- Egypt
- Ghana
- Kenya
- Namibia

### America
- USA
- Chile
- Brazil
- Venezuela
DSTU – BRAND PROMOTION

OUTREACH INTERNATIONAL EVENTS

IN-HOUSE INTERNATIONAL EVENTS

OFFICIAL VISITS AND DELEGATIONS

DON STATE TECHNICAL UNIVERSITY

www.donstu.ru
INSTITUTIONAL NETWORKING

THE CDIO INITIATIVE

(Conceive, Design, Implement and Operate)
An innovative educational framework for producing the next generation of engineers

DSTU
coordinator of CDIO standards and principles dissemination

THE MAIN GOAL:
bringing authentic engineering challenges to inspire next generation of engineers

154 HEIs
42 countries

Association of Sino-Russian Technical Universities (ASRTU)
May 2016

Silk Road High-Tech Parks Alliance
June 2016
“SILK ROAD HIGH-TECH PARKS ALLIANCE”

5 July 2016
Yantai

SILK ROAD HIGH-TECH PARKS ALLIANCE
Pact Signing
(SRSPA Pact)
JOINT PROJECTS

- LIGHT INDUSTRY
- MEDIA COMMUNICATIONS AND MULTIMEDIA TECHNOLOGIES
- INDUSTRY AND E-COMMERCE
- AGRICULTURE AND FOOD INDUSTRY
- IT (JOINT LABORATORY)
JOINT PROJECTS

1. RUSSIAN FOUNDATION FOR BASIC RESEARCH/NATIONAL NATURAL SCIENCE FOUNDATION OF CHINA

DSTU - Sino-Russian Hi-Tech Industrial Zone

grant applications: biomedicine and additive technologies

3

2. EUROPEAN COMMISSION PROGRAM ERASMUS+

University and enterprise networking by spin-off model

- Sino-Russian Hi-Tech Industrial Zone
- China Agricultural University
- Ludong University, Yantai

3. DOUBLE-DIPLOMA PROGRAMS

Yantai University
- technical means of fish farming
- agribusiness products processing and warehousing

Shandong Jiaotong University
- architecture and civil engineering
- transportation services

Shenyang Jianzhu University
- architecture and civil engineering

4. DON UNIVERSITY SJU-DSTU

Non-profit educational organization
Opening - 18.06.2019

DON STATE TECHNICAL UNIVERSITY
DON UNIVERSITY SJU-DSTU

18.06.2019

320 students per year

RUSSIAN AS A FOREIGN LANGUAGE TEXTBOOK FOR CHINESE STUDENTS

JOIN EDUCATIONAL PROGRAMS

ОРГАНИЗАЦИЯ ТРАНСПОРТА И ТРАНСПОРТНОЕ УПРАВЛЕНИЕ

ФИНАНСОВОЕ УПРАВЛЕНИЕ (с 2020/2021)
STU-DSTU PARTNERSHIP – SINCE 2004

joint project in the framework of Don Institute STU-DSTU

RUSSIAN AS A FOREIGN LANGUAGE
TEXTBOOK FOR CHINESE STUDENTS

OTHER TEXTBOOKS AND STUDY GUIDES
Russian as a Foreign Language Textbook
«Мы»

- communicative method
- cultural and country studies activities
- project work activities
ACADEMIC MOBILITY

LANGUAGE SUMMER SCHOOLS

- Teaching Chinese students Russian since 2004
- Russian students learning Chinese since 2006

ENGINEERING SUMMER SCHOOLS

- 2015-2018 - Russian language summer schools at DSTU (> 130 participants)
- 2014-2018 - Chinese language summer schools at STU (> 120 participants)

ACADEMIC EXCHANGE PROGRAMS

- 5 p/term - Shenyang Polytechnic University
- 2 p/year - Harbin Polytechnic University
- 6 p/term - Shandong Transport University
- 36 p/year - Shandong Transport University summer school
FACTS AND FIGURES

11 agreements
24 partner organizations
6 joint educational programs
3 annual international summer schools

349 Student from China
51 foundation course
84 Bachelor’s
44 Master’s
8 PhD
160 Don University
ACADEMIC MOBILITY CHANNELS 2019-2020:

- AM programs monitoring
- outreach info sessions
- face-to-face sessions
- database of AM applicants

LANGUAGE ASSISTANTS - 28

VISITING PROFESSORS - 34

- Georgius Agricola - Czech Republic
- Munde, Supe - Spain
- DAAD - Germany
- Fulbright - the USA
- Cargill - Europe-Asia
- TU Wien - Austria
- Sorbonne-Identite, Campus France - France
- Griffith College Dublin - Ireland
- Glasgow Kelvin College , University of the West of Scotland - GB
- Stipendium Hungaricum - Hungary
- Mevlana - Turkey
- Shenyang University, Harbin University, Shandong Jiaotong University- China
SUMMER SCHOOLS

INTERNATIONAL STUDENTS’ MEDIA EXPEDITIONS «ROUTES OF THE QUITE DON»

SUMMER SCHOOLS OF LANGUAGE+ MODEL

«RENEWABLE ENERGY SOURCES AND GREEN TECHNOLOGIES»

«TRANSPORTATION ORGANIZATION AND AUTO TRANSPORT MANAGEMENT»

«URBAN PLANNING AND RECONSTRUCTION: FIFA WORLD CUP»
INTERNATIONAL EDUCATION

PREPARATORY PROGRAMS / INTERNATIONAL FACULTY:

RUSSIAN + Engineering Natural sciences Economy Humanities Biomedicine

NATIONAL CERTIFICATE

COURSES

• RFL courses
• International Summer schools
• Russian for business and entrepreneurship
• Module-based Russian language study programs

TORFL

• National certificate/6 levels
EUROPEAN DIPLOMA SUPPLEMENT

Diploma Supplement follows the model developed by the European Commission, Council of Europe and UNESCO/CEPES. The purpose of the supplement is to provide sufficient independent data to improve the international ‘transparency’ and fair academic and professional recognition of qualifications (diplomas, degrees, certificates etc.).

DS is issued by the Center of Evaluation of Educational Documents of Don State Technical University and enables our graduates to continue their education or start career in any of European Higher Education Area countries.
SOCIAL LIFE

STUDENT HEALTH AND SPORTS COMPLEX «RADUGA»

4 residences
1500 person holding capacity

5 sports fields
700 seat conference room

DSTU-REALMADRID ACADEMY

Project overview

• promotion of civil responsibility, tolerance and social activity
• Real Madrid methodical support, coach and manager training
• regional sports infrastructure development
STUDENT SPORT

36

student sports teams

TEAMS:

football
track-and-field athletics
basketball
handball
cheerleading for both kids and adults, etc.
TECHNOPARK “QUANTORIUM” FOR CHILDREN

FIELDS:

- aeroquantum
- bioquantum
- IT-quantum
- roboquantum
- energyquantum
- industrial design
- hi-tech cluster

MAIN AIM:

to train future engineers and to unravel talented children by their creative work in the field of science and technology.
DSTU FACILITIES

CONVENTION AND EXHIBITION CENTER “DON COSSACK GUARD”

- 400+ exhibition showpieces
- 27 years spent on collection creation
- 30 complete set of historical uniforms and equipment
- 20 000 photos in the center archives
MAPPING FURTHER COOPERATION

CONTACTS
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International Partnership and Protocol Centre
+7 (863) 2-738-27-85
dstu_oms@mail.ru
cipp@donstu.ru

• Russian language module study programs for all age groups and purposes
• R&D and spin-off companies for implementation of joint research
• promotion platform for regional academic and business collaboration
• creation of joint educational programs based on the "university-business" model, including upgrade-courses and MBA/MPA programs
• technical expertise, consulting, project management
• academic mobility programs
• MICE-services: organization and holding of intercultural events, forums, workshops, show-rooms and others
THANK YOU FOR YOUR ATTENTION!
CONTACTS

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