



THINK BRIGHT!

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# The National University of Science and Technology MISIS

NUST MISIS is one of Russia's most dynamically developing centers for research and education. It is a recognized leader in technological and scientific education in Russia.

We are educating the next generation to become the brightest scientists and pro-active, successful citizens who can find solutions to the world's most pressing challenges in science and technology.

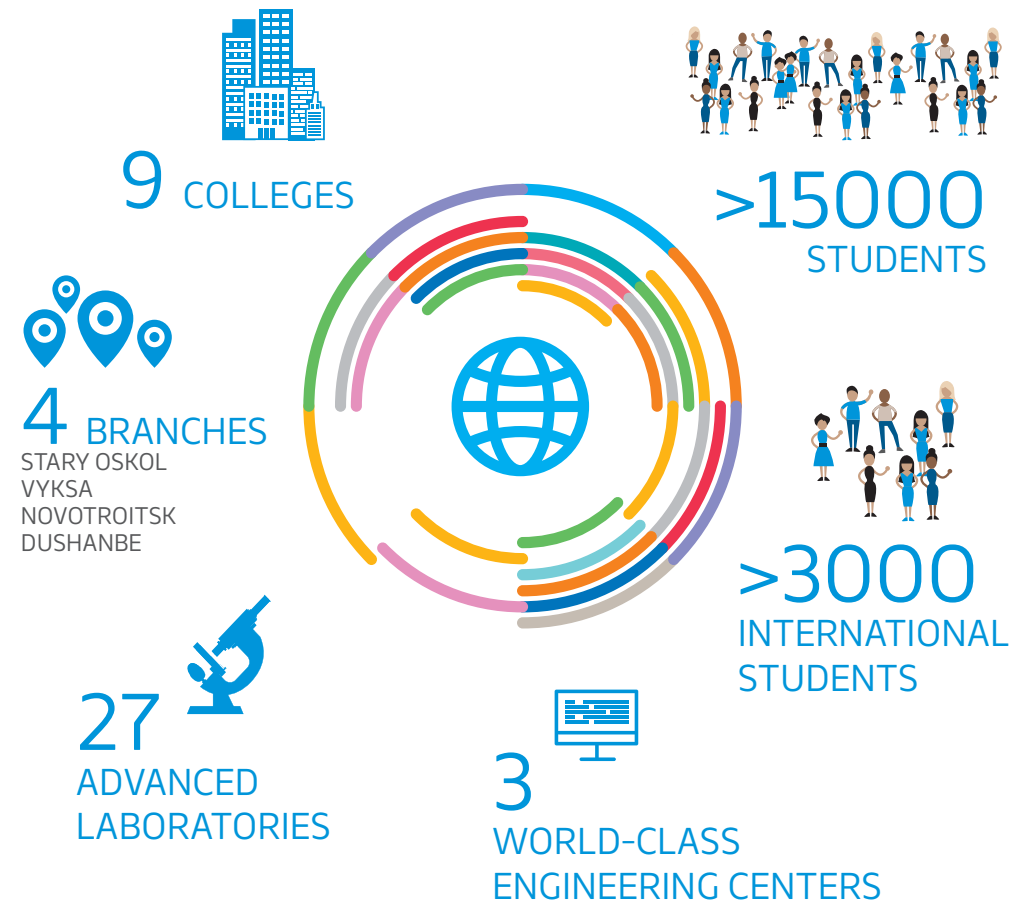
NUST MISIS attracts the best scientists from different universities worldwide and offers them an opportunity to implement cutting-edge research projects. Our R&D base, laboratories, and modern equipment are among the best in the world.

NUST MISIS is home to over **15 000 students**. Included in this number are more than **1650 international students** from over **60 countries**. We continue to increase the number of English-medium master's programs to enable even more students to take advantage of an excellent education at NUST MISIS.

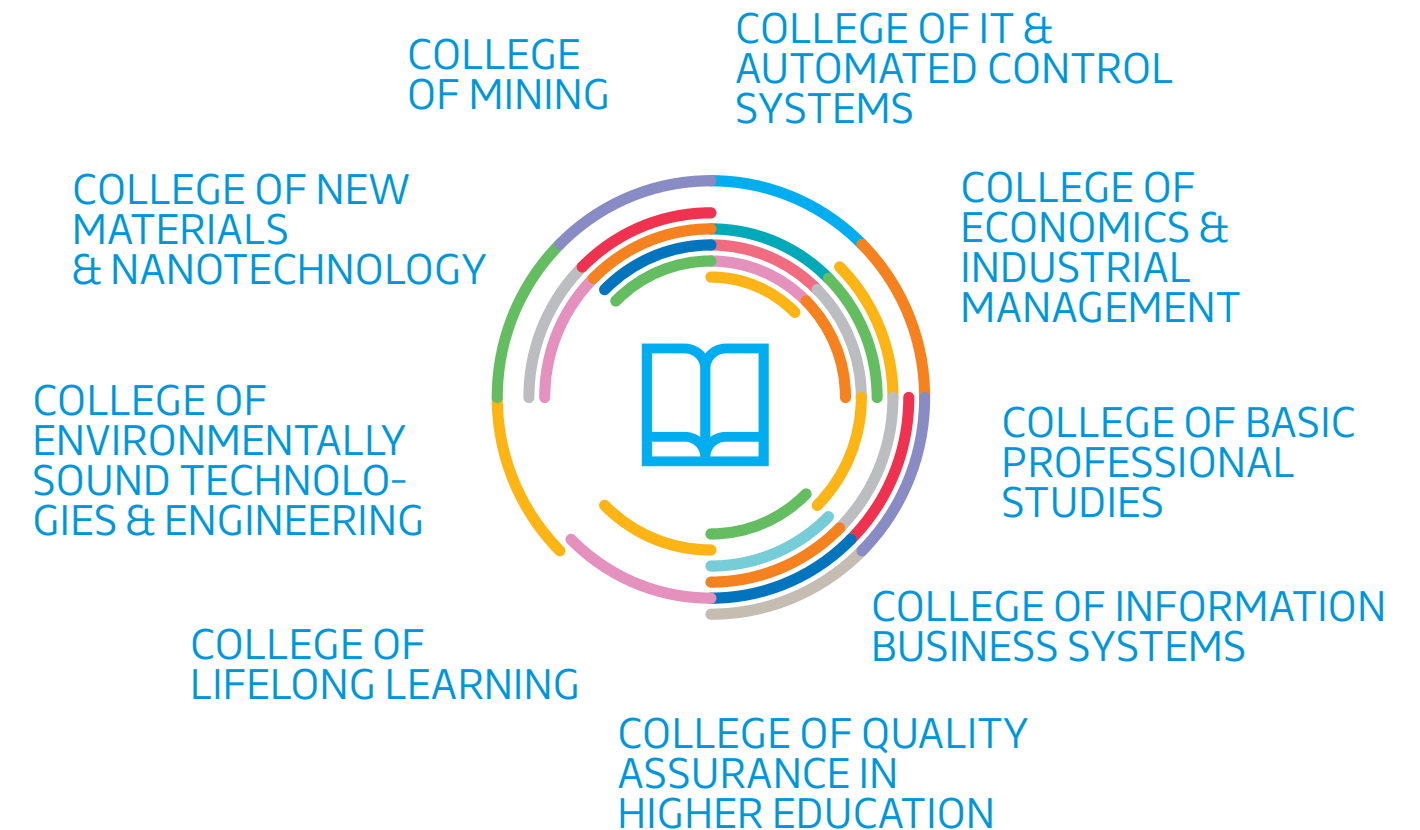
An education at NUST MISIS is based on case method and includes an abundance of practical training opportunities.

Alevtina A. Chernikova  
Rector of NUST MISIS

## NUST MISIS Today



## Colleges of NUST MISIS







Started as the Moscow Institute of Steel, NUST MISIS has become a scientific and technological center, specializing in the fields of materials science, metallurgy, mining, IT, and nano- and biotechnologies

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# History of NUST MISIS

In 2018 the National University of Science and Technology MISIS is celebrating its centennial.

NUST MISIS originated from the Moscow Academy of Mines (MAM). In 1930 on the basis of MAM, the metallurgy department evolved into the Moscow Institute of Steel (MIS).

2008

National University of Science and Technology MISiS – NUST MISiS

2014

MSMU joined NUST MISiS; The University entered the QS World University Ranking and QS: BRICS ranking

2015

NUST MISiS for the first time entered THE World University Rankings

2016

NUST MISIS ranked 19th in THE World's Best Small Universities Ranking

1918

Moscow Academy of Mines – MAM

1930

Moscow Institute of Steel – MIS

1962

Moscow Institute of Steel and Alloys - MISiS

1993

Moscow State Institute of Steel and Alloys (Technological University) – MSiSiS (TU)



In 2014 NUST MISIS for the first time entered the QS World University ranking and QS: BRICS ranking

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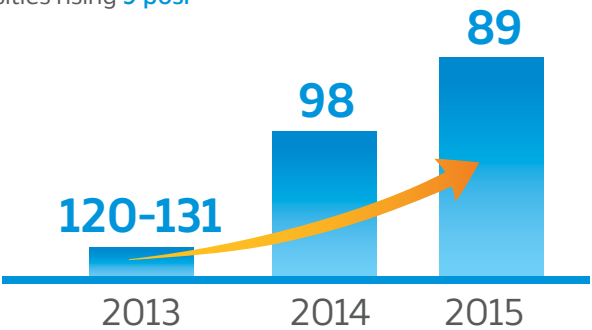


# QS World University Rankings

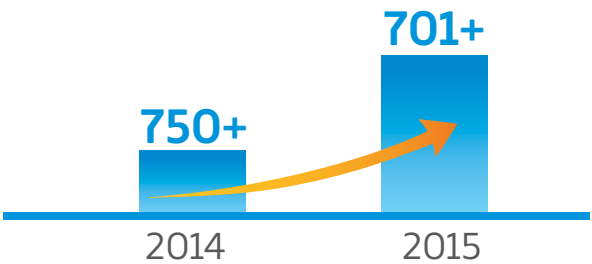
In 2015 NUST MISIS made a major breakthrough rising 50 positions in the QS World Ranking and grew fastest among all Russian universities rising 9 positions in the QS: BRICS Ranking.



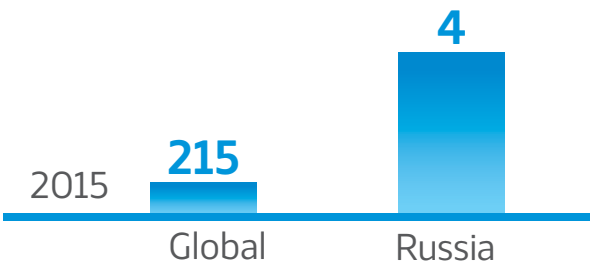
89 QS: BRICS



701+ QS World University Rankings



QS Graduate Employability Rankings



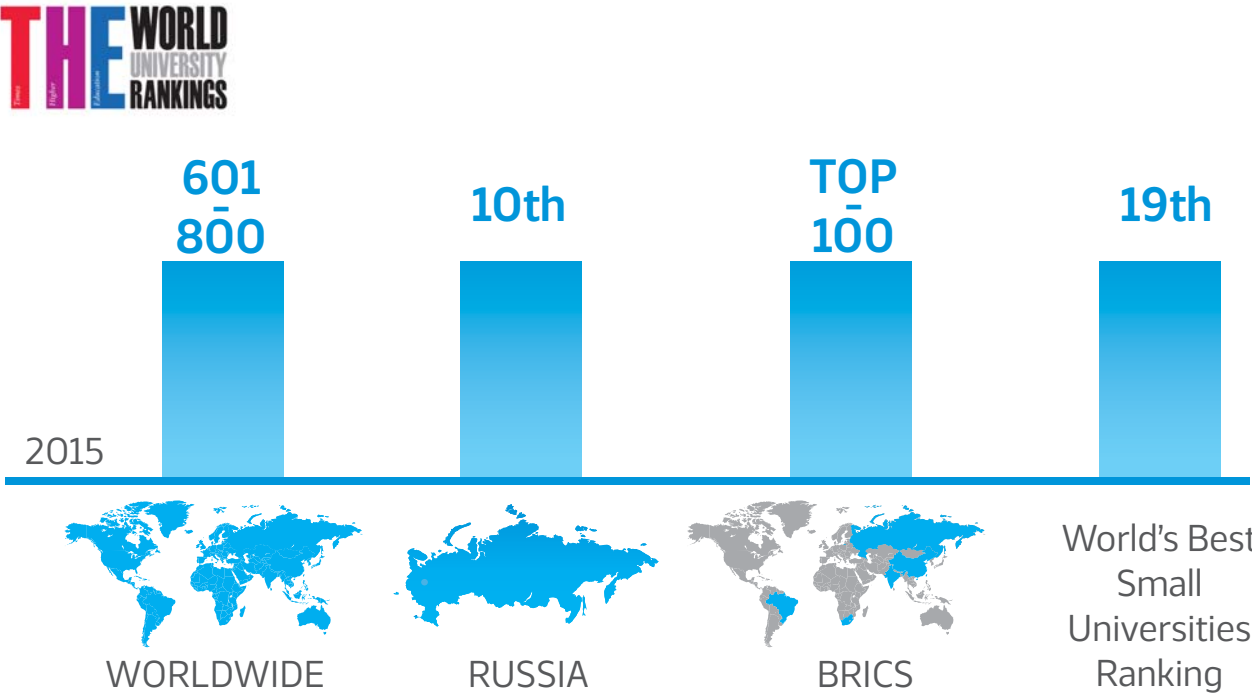




Phil Baty, Editor,  
Times Higher Education World University Rankings

# The Times Higher Education World University Rankings

NUST MISIS entered THE World University Rankings 2015-2016, ranking in the band #601-800. Among Russian universities NUST MISIS ranks 9th out of 13th. In December 2015 NUST MISIS for the first time entered the TOP-100 BRICS & Emerging Economies Ranking.





Shehak Sattar  
NUST MISIS Master's student  
Science and Materials of Solar Energy

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## Reasons to choose NUST MISIS

NUST MISIS is one of the leading and most dynamic universities and R&D centers in Russia. We not only provide an excellent education for engineers and researchers, but we take pride in our extracurricular activities, infrastructure, and location.

- Full-tuition scholarships available to our top international students
- Excellent research base and close relations with R&D centers and universities around the world
- World-leading and top Russian scientists and professors
- Educational programs that are designed to meet the demands of the present and future economic, industrial, and scientific sectors
- Top-notch infrastructure – laboratories, multimedia classrooms, FabLab (laboratory of personal digital production), library, recreational center and more
- Voted to have the best residence halls in Moscow • International student support office and International Friendship Club student organization
- Location in the heart of downtown Moscow along the picturesque Moscow River, next to the legendary Gorky Park
- Friendly international atmosphere
- Strong relations with the largest Russian and international companies - OMK, Metalloinvest, Rosatom, Evraz, IBS, Gazprom, etc.





NUST MISIS strives for its students to get not only thorough theoretical knowledge, but also deep practical skills during their bachelor's and master's degree programs and post-graduate studies

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## Education

NUST MISIS has 9 full-time English-medium master's programs and one-semester or full-year exchange programs with partner universities. Students have a chance both to study and to carry out research projects in our advanced laboratories and R&D centers.

### MASTER PROGRAMS TAUGHT IN ENGLISH:

- Advanced Materials Science
- Advanced Metallic Materials and Engineering
- Communications and International Public Relations
- Innovative Software Systems: Design, Development & Applications
- Inorganic Nanomaterials
- Multicomponent Nanostructured Coatings, Nanofilms
- Nanotechnology and Materials for Micro- and Nanosystems
- Quantum Physics for Advanced Materials Engineering
- Science and Materials of Solar Energy

*"NUST MISIS offers extremely good facilities: having good labs, professors, very known faculties and access to all the research journals, so that is all that the students need."*

Vivek Singh  
Master's student  
Innovative Software Systems: Design, Development & Applications





Our faculty and students research and develop efficient solutions for a number of industries. Our goal is to bring science closer to business and production and to make a significant impact on society

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## Science

NUST MISIS is a unique complex of intellectual, technical, and technological resources that conducts innovative research in the areas of materials science, metallurgy, mining, IT, and nano- and biotechnologies.

At NUST MISIS we promote an interdisciplinary research approach and found new laboratories that intersect a variety of scientific fields. Leading international and Russian professors extensively collaborate with us. By attracting talented post-docs and young scientists, we have established a creative multinational research environment.

The university comprises **27 world class laboratories and 3 engineering centers**: the laboratories of Superconducting Metamaterials; Inorganic Nanomaterials; Nanomaterials (interdepartmental); Hybrid Nanostructural Materials; Modelling and Creation of New Materials; RDC Constructional Ceramic Nanomaterials; Center for Collective Use; Center of Situational Analysis; Technology Commercialization Center, among others.

*"I have seen today how materials can be used to change the fiber of aircraft cases, I have seen how materials can be used in medicine, using nanoparticles sometimes magnetized to direct drug delivery to tumors to allow tumors to be excised and treated. So these are all areas in which the rest of the world is greatly interested."*

Sir Malcolm J. Grant  
Member of the Russian Academic Excellence Project Council  
Chairman of NHS England





NUST MISIS studnets getting lab experience

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## Science

### NUST MISIS AREAS OF EXPERTISE:

- Metamaterials and Siliceous Electronics
- Autonomous and Renewable Energy
- Healthcare Technologies
- Additive and Hybrid Technologies
- Green Technologies

In 2012, NUST MISIS, in collaboration with MIT, created the first in Russia full-featured laboratory of personal digital production – FabLab. FabLab is a site, which integrates modern digital production tools and software, allowing to quickly transform the original ideas into functional prototypes or personal products. In the laboratory, there is everything you need to create both large-scale and miniature objects: device laser cutting, large and small milling machines, three-dimensional printers and equipment for work with electronic components.

The Engineering Prototype Centre at the National University of Science and Technology MISIS, established in 2015, is a modern multirole high-tech digital laboratory for the development and design of functional prototypes for national and global industries. The Centre's high-tech equipment can measure, develop, generate and build sophisticated functional digital systems for multiple sectors. The product size varies from one micron to 20 metres.





NUST MISIS students in the university summer camp  
at Pitsunda

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## Student Life

We pay great attention to both the professional and personal growth of our students. The students can take part in more than **20 student organizations**: University Student Council, Student Scientific Society, Student Industrial Design Club, Sport Clubs, Student Mass Media (MISIS Media and Science MISIS), International Friendship Club, etc.

The active, student-led organization International Friendship Club (KID) helps international students adapt to their new home and to take advantage of all that the university and Moscow have to offer. The club arranges a large number of events throughout the year where students can develop and display their talents, participate in various creative competitions, visit famous museums, theaters, and exhibitions of Moscow, and simply to meet new people and make new friends!

*"With the help of NUST MISIS International Office students have a great opportunity to join amusing excursions, theatres, concerts and meet with interesting people. So, these events will bring your talent to the light, and you will feel free to express your own ideas and thoughts. We have also a volunteer experience, so the International Friendship Club helps orphans, participates in the Marathon of good deeds and guides those who need support."*

Kirill Mednikov  
Bachelor's student  
Technological Machinery and Equipment





The NUST MISIS residence hall - Commune House

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## University Campus

### METALLURGIST

The NUST MISIS student residence hall complex Metallurgist is located within walking distance from the metro station Belyaev, which is only 30 minutes from the main academic buildings. According to the most prestigious reviews, the residence hall system has been considered exemplary. According to the All-Russian Open Competition in which more than 120 universities participate, the Metallurgist residence hall complex has held the title of best student dormitory since 2013.

### COMMUNE HOUSE

The NUST MISIS Commune House residence hall complex was created in the heart of Moscow in a reconstructed building from the constructivism era. Today, it is one of the most comfortable and modern dormitories in Moscow.

In November 2014 at the exhibition Denkmal (Leipzig, Germany), NUST MISIS was awarded a gold medal for its contribution to the preservation of cultural heritage.

*"The university is greatly advantaged to be located in the center of the Moscow city and it is close to Red Square, and also the dormitory is located close to the university. We have walking access to the school. It takes me 20 minutes, when I want to walk and get some fresh air, and then when I want to use the metro, it takes me 10 minutes."*

Dorcas Obuobi-Donkor  
Master's student  
Communications and International Public Relations





Moscow skyscrapers neighbor with historic buildings, and lovely parks with vibrant streets

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## Live in Moscow

A huge benefit of studying at NUST MISIS is the unique opportunity to explore Moscow, one of the world's most fascinating and cosmopolitan cities. Rich in culture and history, Russia's capital is an unforgettable blend of old and new. In a city offering the world-renowned Kremlin and Red Square, you are recommended to visit a wide range of museums, theatres, conservatories, parks, and palaces.

For those who are keen on night life, Moscow offers various night clubs, restaurants and cafes. It provides plenty of shopping opportunities for those who are into seeing and partaking in the latest fashions.

Another reason why Moscow is so distinguished is because of its convenient and inexpensive mass transit system, including several metro stations that are cultural heritage sites in and of themselves!

Moscow is a city of contrasts that offers a broad variety of attractions. You will certainly want to spend some of your time discovering its wonders!





Join us at NUST MISIS and think bright!

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