MISIS
UNIVERSITY

University of Science and Technology MISIS


УНИВЕРСИТЕТ МИСИС

General information about NUST MISIS

The University of Science and Technology MISIS is the leading university in terms of creating, integrating and applying innovative technologies and materials.

Rankings

№1

QS Materials Science in Russia (151+ worldwide)

№1

ARWU Metallurgical Engineering in Russia (51+ worldwide)

№1

U.S.News Materials Science in Russia

TOP-3

QS Mineral and Mining in Russia (48 worldwide)

TOP-5

RUR among Russian universities (186 worldwide)

TOP-50

Pilot ranking of BRICS universities 2024

MISIS University Today

10 300+
students*

13%
international students from more than 80 countries*

6
branches (4 — in Russia, 2 — abroad)

1 000+
PhDs and doctors of science

53
agreements with foreign universities from 23 countries

* From the contingent of students of different levels of higher education at the Moscow site

Colleges of MISIS University

MISIS
COLLEGE OF NEW MATERIALS

MISIS
COLLEGE OF TECHONOLOGY

MISIS
COLLEGE OF MINING

MISIS
COLLEGE OF BIOMEDICAL ENGINEERING

MISIS
COLLEGE OF BASIC PROFESSIONAL STUDIES

MISIS
COLLEGE OF ECONOMICS AND MANAGEMENT

MISIS
COLLEGE OF COMPUTER SCIENCE

MISIS
COLLEGE OF PHYSICS AND QUANTUM ENGINEERING

MISIS
INSTITUTE OF DEVELOPMENT


МИСИС
Я
новатор

High-quality education at NUST MISIS

NUST MISIS provides applicants with undergraduate programs in 19 majors in Russian, 85 master's programs in Russian, and 13 master's programs in English. All international applicants are offered one-year advanced preparatory programs, including Russian language learning.

Key research and educational directions:

- Mining
- Metallurgy
- Materials Science
- Biomedicine
- Quantum Technologies
- Alternative Energy
- Additive Technologies
- IT and Computer Science
- Economics and Management
- Linguistics and Communication Technologies

Study price: RUB 270 000 — RUB 575 000 (per year)

Each student can get free education at the cost and expense of the Russian budget within the quota established by the Russian Government

Visit the website and take the required steps to apply for free education

Feel free to ask any questions

50 scholarships and grants are available to our top Russian and international students

University Programs

Bachelor's Programs

Full-Time Study

No.	Specialization Code	Field of Study/Specialization	Form and Duration
1	03.03.02	Physics	Offline, 4-year program
2	19.03.01	Biotechnology	Offline, 4-year program
3	27.03.05	Innovatics	Offline, 4-year program
4	28.03.01	Nanotechnology and Microsystems Engineering	Offline, 4-year program
	28.03.03	Nanomaterials	Offline, 4-year program
5	38.03.01	Economics	Offline, 4-year program
	38.03.02	Management	Offline, 4-year program
	38.03.06	Commerce	Offline, 4-year program
	38.03.05	Business Informatics	Offline, 4-year program
6	45.03.02	Linguistics	Offline, 4-year program

Specialist Programs

Full-Time Study

No.	Specialization Code	Field of Study/Specialization	Form and Duration
1	21.05.04	Mining	Offline, 5-year program
	21.05.05	Physical Processes of Mining or Oil and Gas Production	Offline, 5-year program

Part-Time Study

No.	Specialization Code	Field of Study/Specialization	Form and Duration
1	21.05.04	Underground Construction	Offline, 6-year program

Basic Higher Education

Full-Time Study

Basic higher education is the new stage of higher education system, which combines a Bachelor's degree and a Specialist `s degree. The duration of study is from 4 to 6 years.

No.	Specialization Code	Field of Study/Specialization	Form and Duration
1	01.03.04	Applied Mathematics	Offline, 4/6-year program
2	09.03.01	Computer Science and Engineering	Offline, 4/6-year program
	09.03.02	Information Systems and Technologies	Offline, 4/6-year program
	09.03.03	Applied Informatics	Offline, 4/6-year program
3	11.03.04	Electronics and Nanoelectronics	Offline, 4/5/6-year program
4	13.03.02	Electric Power Engineering and Electrical Engineering	Offline, 4/5/6-year program
5	15.03.02	Technological Machinery and Equipment	Offline, 4/5/6-year program
6	22.03.01	Materials Science and Technology of Materials	Offline, 4/5/6-year program
7	22.03.02	Metallurgy	Offline, 4/5/6-year program

Master's Programs

Full-Time Study

No.	Specialization Code	Field of Study/Specialization	Form and Duration
1	01.04.04	Mathematical Methods in Artificial Intelligence and Data Analysis	Offline, 2-year program
2	03.04.02	Quantum Materials Science	Offline, 2-year program
	03.04.02	Modeling of Materials and Processes	Offline, 2-year program
3	09.04.01	Industrial Internet of Things (IIoT) and Predictive Analytics	Offline, 2-year program
	09.04.01	Industrial Design and Engineering	Offline, 2-year program
	09.04.01	BIM Technologies in Design and Construction	Offline, 2-year program
	09.04.01	Data Science	Online, 2-year program
	09.04.01	Natural Language Processing	Offline, 2-year program
	09.04.01	DevOps Engineering for Intelligent Enterprise Systems	Offline, 2-year program
	09.04.01	Artificial Intelligence Systems Development (R&D)	Offline, 2-year program
4	09.04.02	Deployment of Complex Information Systems Based on Integration IT Solutions	Offline, 2-year program
	09.04.02	Big Data Ecosystem for Digital Transformation	Offline, 2-year program
	09.04.02	Web Developer	Offline, 2-year program

No.	Specialization Code	Field of Study/Specialization	Form and Duration
5	09.04.03	Artificial Intelligence and Machine Learning	Offline, 2-year program
	09.04.03	Applied Informatics in Digital Economy	Offline, 2-year program
	09.04.03	Technological Art	Offline, 2-year program
	09.04.03	Digital Twins in Engineering Systems	Offline, 2-year program
	09.04.03	Digital Branding in Creative Industries	Offline, 2-year program
	09.04.03	UAV Engineering and Programming	Offline, 2-year program
6	11.04.04	Materials and Technologies for Magneto-Electronics	Offline, 2-year program
	11.04.04	Semiconductor Energy Converters	Offline, 2-year program
	11.04.04	Micro- and Nanoelectronics Technologies	Offline, 2-year program
7	13.04.02	Energy Management	Offline, 2-year program
	13.04.02	Digitalization of Industrial Energy Complexes	Offline, 2-year program
8	15.04.02	Innovation Engineering	Offline, 2-year program
	15.04.02	Engineering Management of Equipment and Technologies	Offline, 2-year program
	15.04.02	Biomedical Engineering and Biofabrication	Offline, 2-year program
	15.04.02	Industrial Design, Digital Production and Reengineering Technologies	Offline, 2-year program
9	18.04.01	Technology of Nanostructured Composite Materials	Offline, 2-year program
10	19.04.01	Neuroengineering and Theranostics	Offline, 2-year program
11	20.04.01	Process and Production Safety Management	Offline, 2-year program
	20.04.01	Environmental Innovation Management	Offline, 2-year program
	20.04.01	Engineering Solutions for the Closed-loop Economy	Offline, 2-year program
	22.04.01	High temperature and superhard materials	Offline, 2-year program
	22.04.01	Innovative Structural Materials	Offline, 2-year program
	22.04.01	Materials Science of Semiconductors and Dielectrics	Offline, 2-year program
	22.04.01	Physicochemistry of Processes and Materials	Offline, 2-year program
	22.04.01	Biomaterial Science	Offline, 2-year program
	22.04.01	Applied Analytics in Metallurgy	Offline, 2-year program
	22.04.01	Digital Materials Science	Offline, 2-year program
	22.04.01	Physics, Research Methods, and Technologies of Functional Materials	Offline, 2-year program
12	22.04.02	Technological Management in Non-Ferrous and Gold Production	Offline, 2-year program
	22.04.02	Deformation Processing of Metals and Alloys	Offline, 2-year program
	22.04.02	Logistics and Eco-Design of Industrial Technologies	Offline, 2-year program

No.	Specialization Code	Field of Study/Specialization	Form and Duration
12	22.04.02	Modern Technologies for Production and Protection of Metallic Materials	Offline, 2-year program
	22.04.02	Physical Metallurgy (iPhD)	Offline, 2-year program
	22.04.02	Technological support for innovation	Offline, 2-year program
	22.04.02	Digital Process Control in Metallurgy and Mechanical Engineering	Offline, 2-year program
	22.04.02	Mining and Metallurgical Plant Engineering	Offline, 2-year program
	22.04.02	Engineering of Casting Technologies	Offline, 2-year program
	22.04.02	Advanced Materials: Powder and Additive Manufacturing Technologies	Offline, 2-year program
	22.04.02	Modern materials and methods for producing high-precision castings	Offline, 2-year program
	22.04.02	High-Tech Metals	Offline, 2-year program
	22.04.02	Additive Manufacturing Technologies	Offline, 2-year program
	22.04.02	Mineral Ore Processing Technologies	Offline, 2-year program
	22.04.02	Innovative Technologies in Steel and Ferroalloy Production	Offline, 2-year program
	22.04.02	Production of Metallized Raw Materials	Offline, 2-year program
13	27.04.01	Quality Management in Testing Laboratories	Offline, 2-year program
	27.04.01	Certification of Additive Manufacturing Products	Offline, 2-year program
14	27.04.02	Quality Management as an Organizational System	Offline, 2-year program
15	27.04.04	Digitalization and Automation of Technological Processes	Offline, 2-year program
16	27.04.06	Organisation and management of knowledge-intensive industries	Offline, 2-year program
17	28.04.01	Nanotechnology and Microsystems Engineering	Offline, 2-year program
18	29.04.04	Digital Manufacturing and Design of Artistic Products & New Materials	Offline, 2-year program
19	38.04.01	Corporate and Global Finance	Offline, 2-year program
	38.04.01	Industrial and Economic Strategy	Offline, 2-year program
	38.04.01	Economics of Innovation	Offline, 2-year program
20	38.04.02	Business Management in the Digital Economy	Offline, 2-year program
	38.04.02	Strategic Management of International Mineral Resource Companies	Offline, 2-year program
	38.04.02	Investment and Construction Engineering in Industry	Offline, 2-year program
	38.04.02	IT Product and Project Management	Offline, 2-year program
	38.04.02	Business Analytics and Financial Management	Offline, 2-year program
21	38.04.05	Business Information Analytics	Offline, 2-year program
22	45.04.02	Digital Linguistics and Localization	Offline, 2-year program

Master`s Programs Implemented in English

Full-Time Study

No.	Specialization Code	Field of Study/Specialization	Form and Duration
1	03.04.02	Quantum Physics for Advanced Materials Engineering	Offline, 2-year program
2	09.04.01	Data Science	Offline, 2-year program
	09.04.01	Innovative Software Systems: Design, Development & Applications	Offline, 2-year program
3	09.04.03	UX/UI Design	Offline, 2-year program
4	20.04.01	Mining Geology	Offline, 2-year program
5	22.04.01	Advanced Materials Science	Offline, 2-year program
	22.04.01	Science and Materials of Solar Energy	Offline, 2-year program
6	22.04.02	Advanced Metallic Materials and Engineering	Offline, 2-year program
7	28.04.01	Nanotechnology and Materials for Micro- and Nanosystems	Offline, 2-year program
8	38.04.02	Management and Marketing of Technical Solutions and Digital Products	Offline, 2-year program
9	45.04.02	Second Language Teaching and Pedagogical Design in Digital Environments	Offline, 2-year program
	45.04.02	Communications and International Public Relations	Offline, 2-year program
	45.04.02	Intercultural Communication and International Tourism	Offline, 2-year program

Specialized Higher Education

Full-Time Study

Specialized higher education is the second stage of higher education, which combines a Master's degree, residency and internship program. It is optional. Document upon Completion: Specialist diploma with the qualification of "Engineer" (with an indication of the basic diploma).

No.	Specialization Code	Field of Study/Specialization	Cost (rubles)
1	09.04.01	Data Engineering	Online, 1-year program
2	15.04.02	Mining and Transportation Machinery Engineering	Offline, 2-year program
	15.04.02	Production and Renovation of Technological Machines and Equipment	Offline, 2-year program
	15.04.02	Technological Machines of the Urban Development Complex	Offline, 2-year program
	15.04.02	Geomechanical Support of Technogenic Safety	Offline, 2-year program
	15.04.02	Management of the Technical Condition of Mining Equipment	Offline, 2-year program
3	22.04.02	Technology of mineral raw materials	Offline, 2-year program
	22.04.02	Geometallurgy	Offline, 2-year program
4	27.04.02	Development and Launch of EdTech Products	Online, 1-year program
5	38.04.02	Operational Efficiency and Lean Production in Industry	Offline, 1-year program
	38.04.02	Human Resource Management in Industry	Online, 1-year program
6	38.04.05	Process analytics in Digital Economics	Offline, 1-year program

PhD Programs

Full-Time Study

No.	Program Code	Name of Scientific Specialty	Form and Duration
1	1.3.8	Condensed Matter Physics	Offline, 4-year program
	1.3.11	Semiconductor Physics	Offline, 4-year program
2	1.4.2	Analytical Chemistry	Offline, 4-year program
3	1.6.20	Geoinformatics, Cartography	Offline, 3-year program
	1.6.21	Geoecology	Offline, 3-year program
4	2.2.3	Technology and Equipment for the Production of Materials and Instruments of Electronic Engineering	Offline, 4-year program

No.	Program Code	Name of Scientific Specialty	Form and Duration
5	2.3.1	System Analysis, Management, and Information Processing, Statistics	Offline, 3-year program
	2.3.3	Automation and Management of Technological Processes and Productions	Offline, 3-year program
6	2.4.2	Electrical Complexes and Systems	Offline, 4-year program
7	2.5.7	Technologies and Machines for Pressure Processing	Offline, 4-year program
	2.5.22	Product Quality Management, Standardization, Production Organization	Offline, 4-year program
8	2.6.1	Metallography and Heat Treatment of Metals and Alloys	Offline, 4-year program
	2.6.2	Metallurgy of Ferrous, Non-ferrous, and Rare Metal	Offline, 4-year program
	2.6.3	Casting Production	Offline, 4-year program
	2.6.4	Metal Pressure Processing	Offline, 4-year program
	2.6.5	Powder Metallurgy and Composite Materials	Offline, 4-year program
	2.6.6	Nanotechnologies and Nanomaterials	Offline, 4-year program
	2.6.9	Technology of Electrochemical Processes and Corrosion Protection	Offline, 4-year program
	2.6.12	Chemical Technology of Fuel and High-energy Substances	Offline, 4-year program
	2.6.17	Materials Science	Offline, 4-year program
9	2.8.3	Mining and Petroleum Geology, Geophysics, Mine Surveying, and Subsurface Geometry	Offline, 4-year program
	2.8.6	Geomechanics, Rock Fracture, Mine Aerogas Dynamics, and Mining Thermophysics	Offline, 4-year program
	2.8.7	Theoretical Foundations of Mining Engineering System Design	Offline, 4-year program
	2.8.8	Geotechnology, Mining Machinery	Offline, 4-year program
	2.8.9	Beneficiation of Minerals	Offline, 4-year program
10	2.10.1	Fire Safety	Offline, 4-year program
	2.10.2	Ecological Safety	Offline, 4-year program
	2.10.3	Occupational Safety	Offline, 4-year program
11	5.2.3	Regional and Sectoral Economics	Offline, 3-year program

Fedor Senatov, director of the College of Biomedical Engineering, and Rajan Chaudhary, postgraduate student with the eggshell-based composite

Science and innovative infrastructure

At NUST MISIS the leading Russian and international scientists work in advanced world-class laboratories and engineering centers with the most breakthrough areas, implementing joint projects with the largest research organizations and high-tech companies in the world.

45+

R&D labs and world-class engineering centers

1

research center for collective use

3

world-class engineering centers

260

young researches under the age of 39, 7 of them lead research laboratories

The leader

in the number of foreign patents among Russian Universities

Anna Zimina and Polina Kovaleva, postgraduate students of the Scientific and Educational Laboratory of Tissue Engineering and Regenerative Medicine (NOL TIRM) with the shape memory materials

Science and innovative infrastructure

NUST MISIS actively forms a scientific society. Students from the first studying year start their journey in science by participating in scientific events and conferences, becoming winners of the all-Russian competitions, grant and award holders in the field of science and innovation.

Key projects:

- Science Days at NUST MISIS
- Science Video Competition
- Youth Award in the field of Science and Innovation
- Science Slam MISIS (battle of young scientists)
- School of Young Scientists
- Video tours of R&D laboratories and centers "I wanna lab"
- And others

Battle of young scientists — Science Slam MISIS

Students on practical training at one of the major NUST MISIS business-partners — PAO Severstal

Student career development

NUST MISIS actively collaborates with major Russian and foreign companies that involve students in practical training and internships, and further work after graduation.

1 650
business partners

8 600+
students and postgraduates undertake internships annually

96,8%
graduate employment rate

Metalloinvest
NORNICKEL
UNITED METALLURGICAL COMPANY
ROSATOM
SBER
PHOSAGRO
Severstal
Yandex
EuroChem
SUEK
NLMK
SIBUR
GAZZAPROM
POLYUS

MISIS University colleges competition "Freshman Cup"

Vibrant student life

In its activities MISIS University sets up a creative environment that promotes the development of each student's abilities and talents. There is everything for bright and coloured student life – sports, arts and music collectives, scientific and pop-science events and recreational activities.

40+

student associations

- Student Scientific Society
- Student Design Bureau
- ArtLab
- Tourist Club
- Volunteer Club
- Sports Club
- MISIS Media
- And others


MISIS
UNIVERSITY
МИСИС
УНИВЕРСИТЕТ
family
MISIS
UNIVERSITY

International community

The NUST MISIS International Community is a complex of international youth conferences and forums, as well as other interesting and cultural activities.

The International Student Council organizes events and trips for its members and manages a number of activities within the university, including education, culture and sports.

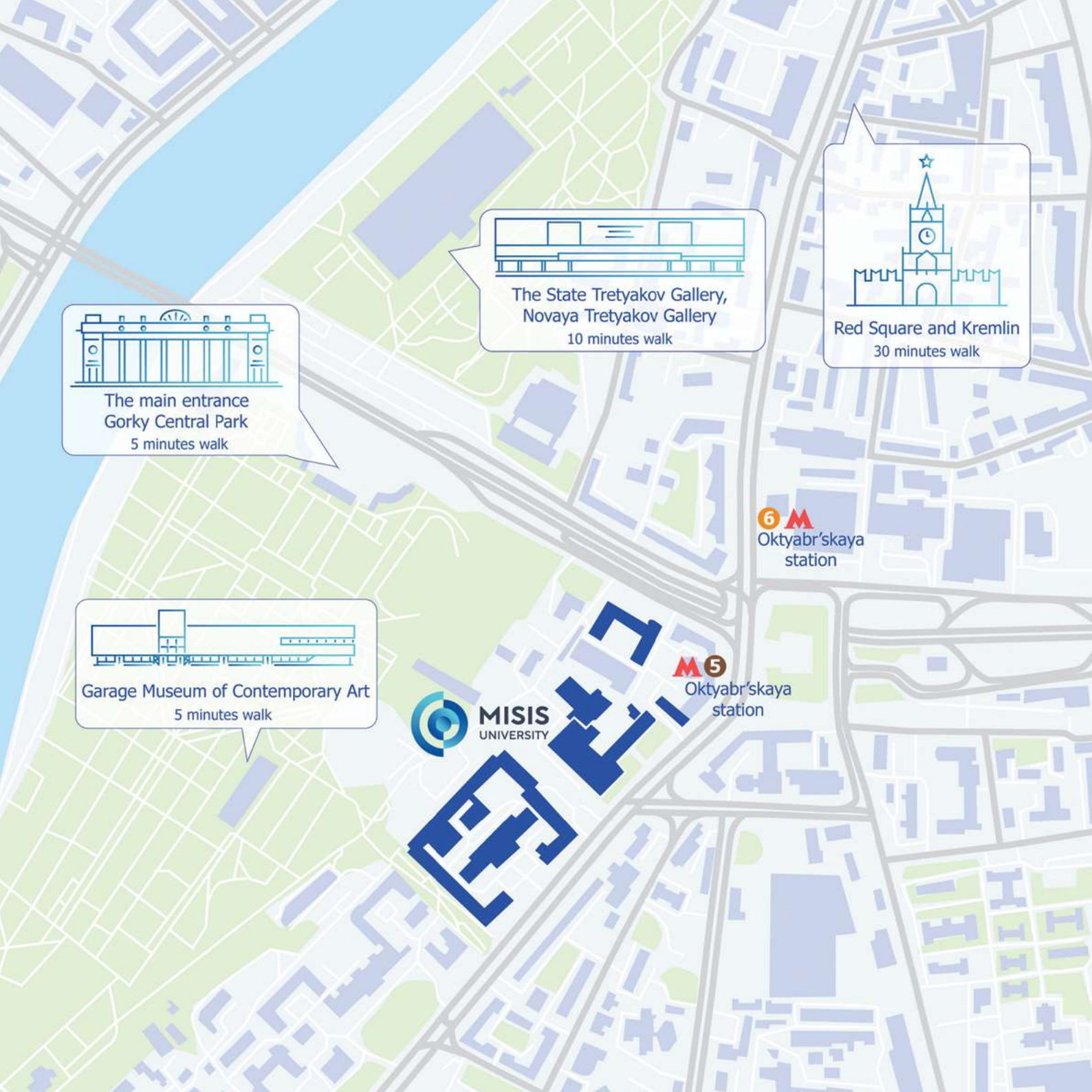
The International Friendship Club helps foreign students to adapt to life in Russia, make new friends, improve their language skills and successfully prepare for exams.

50+

communities from all over the world

Key intercultural events:

- Novruz
- The Day of Cultures
- MISIS International
- Sports day of the international Community
- African Union day
- Language and Cultural quizzes
- And others


The State Tretyakov Gallery,
Novaya Tretyakov Gallery
10 minutes walk
Red Square and Kremlin
30 minutes walk
The main entrance
Gorky Central Park
5 minutes walk
6
Oktyabr'skaya
station
Garage Museum of Contemporary Art
5 minutes walk
MISIS
UNIVERSITY
5
Oktyabr'skaya
station

Campus and dorms infrastructure

NUST MISIS is a modern campus with several academic buildings based in the very center of Moscow. It's located up to 10 mins from main city landmarks.

Moscow is a safe, clean and smart city with rich cultural heritage, and is now being recognised by its impressive digital infrastructure.

Students live in conveniently located and well-equipped dormitories, and have access to a variety of leisure facilities: computer labs, recreation areas, laundry rooms, sports complex with a swimming pool etc.

9

dorms

20

minutes from the university campus

№1

NUST MISIS Commune House is the winner of the Moscow Dormitory Competition

TOP-10

student dormitory “Metallurgist” is one of the best dormitories in Russia

Granted

to all enrolled

RUB 2 600-RUB 5 000

dorm monthly cost*

*depends on the form of education and changes in utility rates in Moscow

Contact information

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welcome@misis.ru

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Official website

Feel free to ask any questions!

Official Telegram channel. Follow!