



NMSTU

1934 • 85 YEARS • 2019

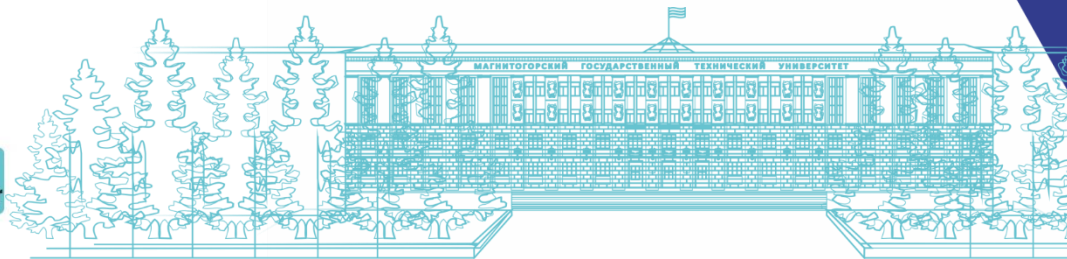
85,000 Success Stories from Our Alumni

MILESTONES



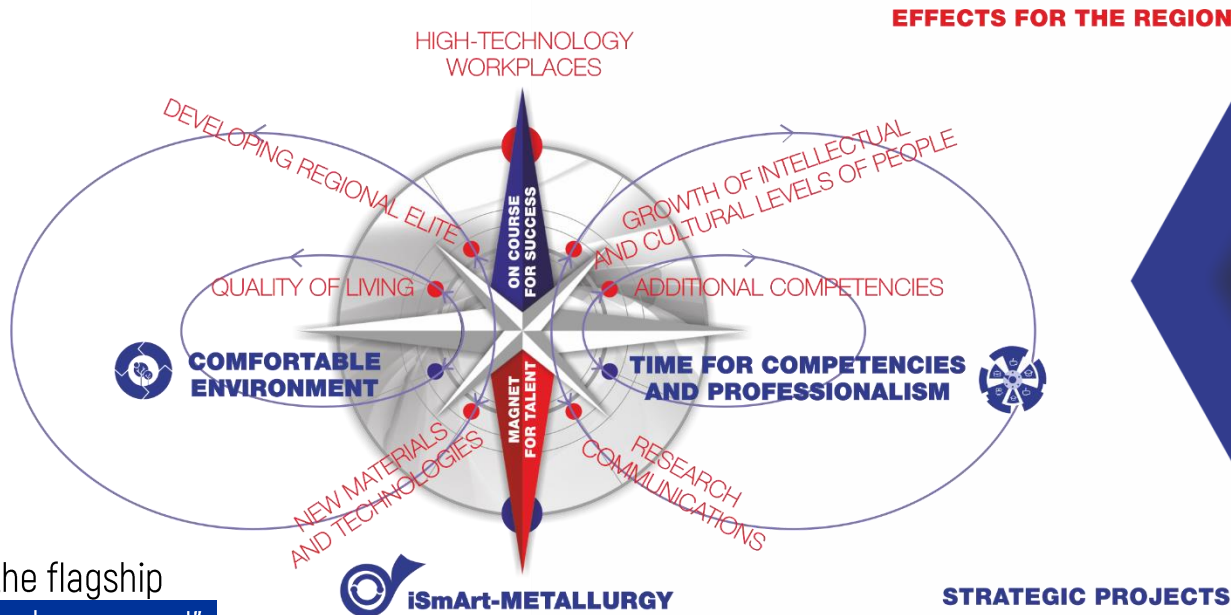
- 9 April 1934** ● The Institute of Mining and Metallurgy was established. 233 students. 19 teachers. The first Director of the Institute was Anton M. Upenek.
- 1936** ● The Institute of Mining and Metallurgy moved into a three-storey school building.
- 1937** ● First 20 graduate engineers: 8 mining engineers, 5 steelmakers and 7 rolling mill engineers
- 1940** ● 435 students, 47 teachers, including 10 PhD teachers
- 1941** ● Publishing the first collection of research papers totaling seven printed sheets
- 1942** ● Opening the Construction Department
- 1944** ● Opening post-graduate studies
- 1945** ● 21 chairs, 107 teachers
- 1948** ● Establishment of the Student Research Society
- 1955** ● Opening the Department of Part-Time Studies. 25 chairs, 2259 students, 116 teachers, including 42 holders of a research degree
- 1956** ● Starting the construction of a new building for the Institute of Mining and Metallurgy on the right bank of the Ural River

- 1961** ● 7462 students
- 1970** ● 6 departments of full-time studies and 1 department of part-time studies. 10,000 students, 27 majors, 41 chairs, 105 laboratories, 12 offices, 72 lecture rooms, 8 drawing rooms
- 1984** ● Awarded the Order of the Red Banner of Labour for success in training highly qualified personnel and research
- 1994** ● Magnitogorsk Institute of Mining and Metallurgy became Magnitogorsk Academy of Mining and Metallurgy
- 1998** ● Magnitogorsk Academy of Mining and Metallurgy is given the status of the university, the highest status for higher education institutions
- 2010** ● Reorganized by joining four Magnitogorsk secondary vocational education institutions
- 2014** ● Reorganized by joining Magnitogorsk State University
- 2017** ● Awarded a status of the flagship university
- 9 April 2019** ● The 85th anniversary of the flagship university of the Southern Ural: 14,000 students, 2300 employees, 106 Doctors of Sciences and 502 PhDs teachers. The Rector is Mikhail V. Chukin.



NMSTU's mission is to develop elite entrepreneurs focused on creation of research and innovative technologies in the field of iSmArt metallurgy for development of the South Ural Region and Russia.

Thus, with good reason, a slogan of the flagship university is "Magnet for talent! Towards success!".



2

DEPARTMENTS



MULTIDISCIPLINARY
COLLEGE

9

INSTITUTES



1

BRANCH IN THE CITY
OF BELORETSK

328

HIGHER AND SECONDARY
VOCATIONAL EDUCATION
PROGRAMS

14 000

STUDENTS



11

DORMITORIES

TOTALING

73,552.88m²

THE CAMPUS UNIVERSITY
WITH TEACHING
INFRASTRUCTURE,
TOTALING

141, 040.6m²

106

DOCTORS
OF SCIENCES

502

PhD TEACHERS



6

DOCTORAL THESIS
DEFENSE
COMMITTEES

THE YOUTH TRAINING
AND RECREATION
CENTER,
TOTALING

8,958.9m²

OVER
60

COLLABORATION
AGREEMENTS

8

SPORTS FACILITIES

WITH UNIVERSITIES
OF

28



COUNTRIES

OVER

300

FOREIGN STUDENTS

FROM

10

COUNTRIES

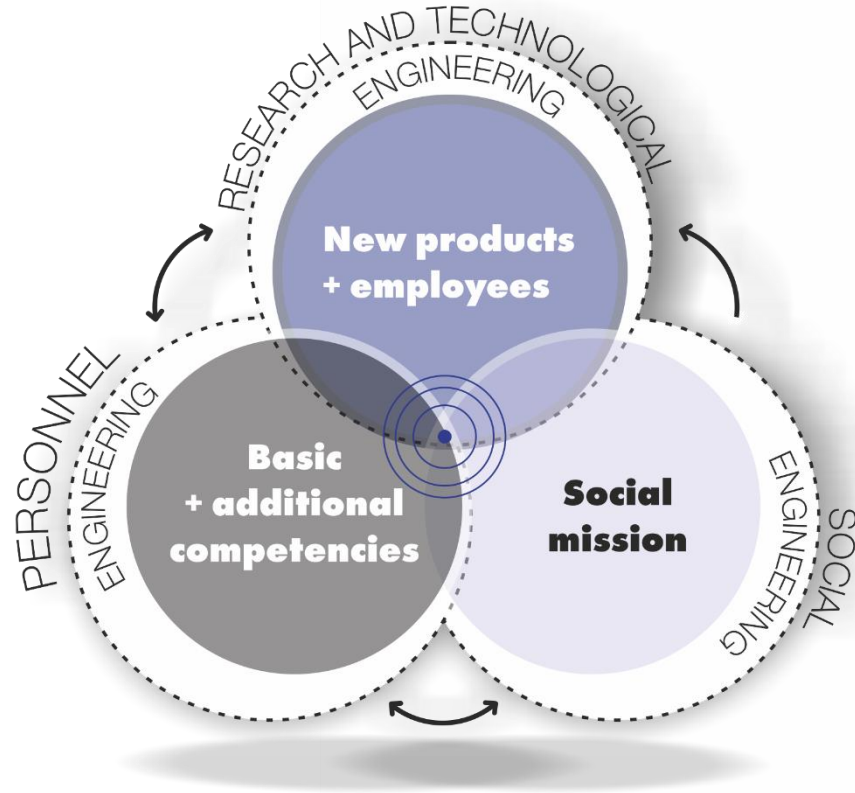
179 BUILDINGS AND 41 FACILITIES, TOTALING

265,639.78m²

iSmART Package



iSmArt Package – is an integrated product of many aspects of the University's activities in research and technological, personnel and social engineering. We deem engineering as a field of the intellectual activity to settle specific technical and/or social tasks.



RESEARCH AND TECHNOLOGICAL ENGINEERING



НАУЧНО ПРОИЗВОДСТВЕННОЕ ОБЪЕДИНЕНИЕ
АНДРОИДНАЯ ТЕХНИКА



UNITED STEEL INDUSTRIES LLC



AND OTHERS

PARTNERS

CONTINUING EDUCATION



*Doctoral studies
Advanced training courses
Continuing vocational education*

*Bachelor's degree programs
Specialist's degree programs
Secondary vocational education
"Technical translator" course
"Technology entrepreneurship" course
Master's degree programs
PhD programs
Second higher education
Student organizations
Worker occupations
Continuing professional education*

*Academic Olympics in many subjects "A Path to Success"
Project school
Preparatory courses
Clubs, studios, subject-centered classes
Academic Olympics and contests
Preparatory courses for orphans and children with disabilities
Preparatory courses for foreigners*

GRADUATES



STUDENTS



PUPILS



*Bachelor's degree programs 4+
Enterprise-based departments
Student exchange programs
Practical training at plants
Participation in WorldSkills Russia
Employer-sponsored education*

*Quantorium children's technology park
Academic Olympics and contests
Preparatory courses, subject-centered classes, groups
IT classes
Employer-sponsored education*

SOCIAL ENGINEERING



139

families of university teachers and employees are provided with social housing as part of the program on improving housing conditions for particularly gifted students, young scientists, outstanding teachers and invited specialists

79th in Russia

NMSTU ranks and the 3626th in the world in the WEBOMETRICS ranking of the best world universities

11 2

workstations and lectorium programs for distant and electronic learning were developed as part of the program on creating barrier-free environment on the University campus for people with limited abilities and a concept of creating centers of distant educational technologies

4 40

mini-parks and public spaces were created as part of the program on introducing new and revamping existing facilities of social and sports infrastructure for the university community and local citizens

**THE PROJECT
AIMS
TO INCREASE
ATTRACTIVENESS
OF THE UNIVERSITY,
THE CITY
AND THE REGION**

totaling 1214.3 m²,

The project on creating the Coworking Center, is under implementation, for collaboration of talented young people and generation of ideas in research, educational, entrepreneurial and patriotic activities.

RESEARCH AND INNOVATION

INNOVATION MEGAPROJECTS

In Russia

Winner of federal contests as part of Resolutions of the Government (No. 218, No. 219, No. 220)

MEGAGRANT - Laboratory of the lead scientist

OJSC MMK-Metiz - Nanostructured reinforcement bars

PJSC MMK - Arctic steels



ABROAD

United Steel Industries FZC: commissioning and development of the steel plant in the UAE



R&D for subjects of the Russian economy

Over **50 R&D** projects annually
The volume of R&D per an employer is

RUB 335.6 thousand

GRANTS

18 grants

HORIZON 2020

Russian Science Foundation

Russian Foundation for Basic Research

Grants awarded by the President of the Russian Federation

Innovation Promotion Fund

Including a multi-disciplinary grant for "X-ray fluorescence (XRF) spectroscopy of the alloy of the Bosporan staters used in the 3rd-4th centuries AD; inflation processes and a financial crisis in the Bosporan Kingdom"



Российский
научный
фонд

HORIZON 2020



РОССИЙСКИЙ ФОНД
ФУНДАМЕНТАЛЬНЫХ
ИССЛЕДОВАНИЙ



Президент России

молодым ученым и специалистам



LAB HUB

35 University laboratories, including

Research Institute for Nanosteels

Mechanics of Gradient Nanomaterials laboratory

Microtopography Research Center

Material On-stream Analysis Laboratory

TECH HUB

9 small innovative enterprises of the University with an annual turnover
of RUB 100 m



RESEARCH AND INNOVATION



THESIS COMMITTEES

D 212.111.01 Thesis Defense Committee awarding degrees of candidate of sciences and doctor of sciences in the following majors:

05.16.02 – Metallurgy of ferrous, non-ferrous and rare metals,

05.16.04 – Foundry; 05.16.05 – Metal forming

D 212.111.02 Thesis Defense Committee awarding degrees of candidate of sciences and doctor of sciences in the following majors

25.00.13 – Mineral processing,

25.00.22 – Geotechnology (underground, open pit and construction methods)

D 212.111.03 Thesis Defense Committee awarding degrees of candidate of sciences and doctor of sciences in the following majors:

05.02.09 – Forming technologies and machines,

05.02.13 – Machines, lines and processes (metallurgy)

D 212.111.04 Thesis Defense Committee awarding degrees of candidate of sciences and doctor of sciences in the following majors:

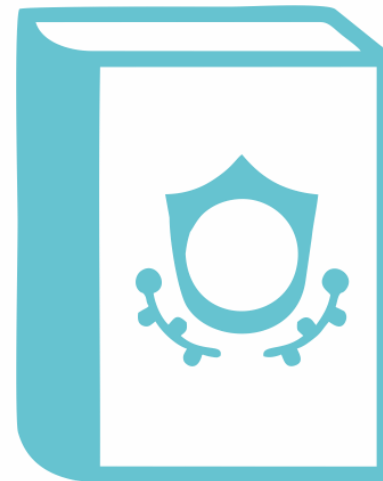
05.09.03 – Electrical complexes and systems

D 212.111.05 Thesis Defense Committee awarding degrees of candidate of sciences and doctor of sciences in the following majors:

05.16.01 – Metal science and heat treatment of metals and alloys; 05.02.23 – Standardization and quality control

D 212.111.06 Thesis Defense Committee awarding degrees of candidate of sciences and doctor of sciences in the following majors:

13.00.08 – Theory and methodology of vocational education



2019-2023 PROGRAM OF DOCTORAL THESIS DEFENSE BY NMSTU TEACHERS: 36 THESES

PUBLICATION ACTIVITIES

Over 4000 papers per year
in Russian and foreign journals



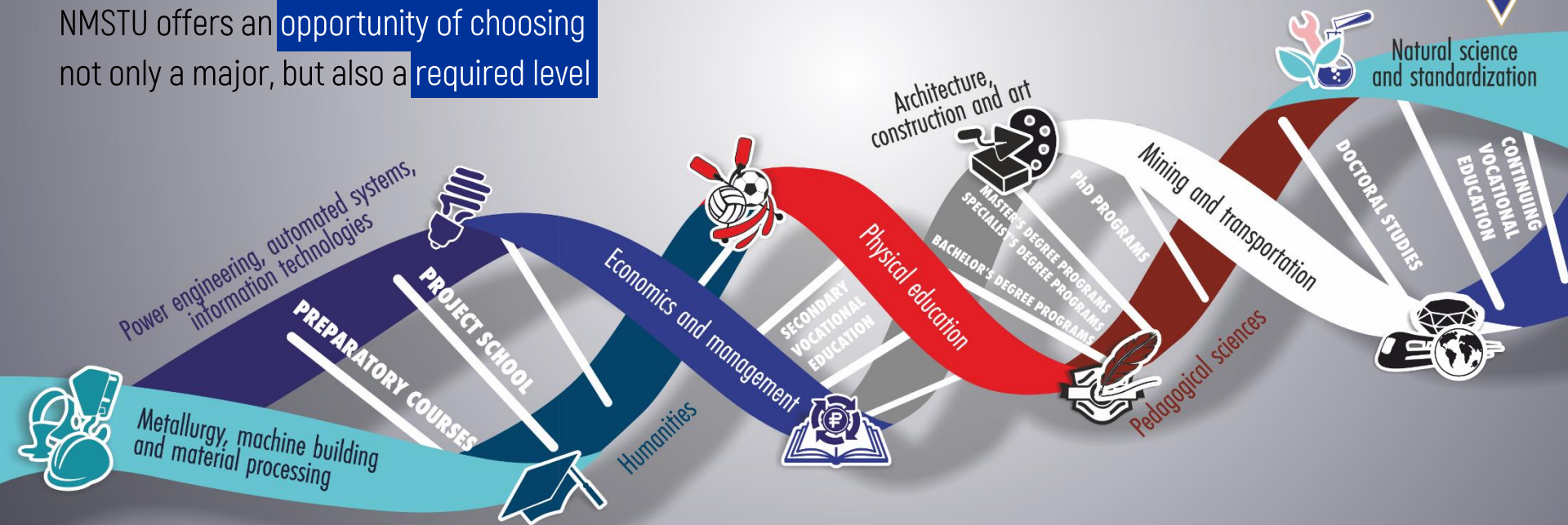
WEB OF SCIENCE

Scopus®



EDUCATION

NMSTU offers an opportunity of choosing not only a major, but also a required level



Diversity
Multiple levels
Continuity

The University complies with all current requirements and Provides a unique opportunity to implement the lifelong learning concept.

PERSONALIZED
LEARNING PATH

**Access to courses of Russian
top universities OPENEDU.RU**



**ELECTRONIC
LIBRARY
SYSTEMS**



Learning

**ACCESS TO SCHEDULES
OF CLASSES AND
EXAMINATIONS**



COLLABORATION
WITH GROUPMATES,
TEACHERS
AND THE TUTOR



**ELECTRONIC
GRADE BOOK**



**STUDENT
PORTFOLIO**



**ACCESS TO
TRAINING
COURSES**

**INDEPENDENT
STUDENT ASSESSMENT**

PERSONALIZED LEARNING PATH MODELS



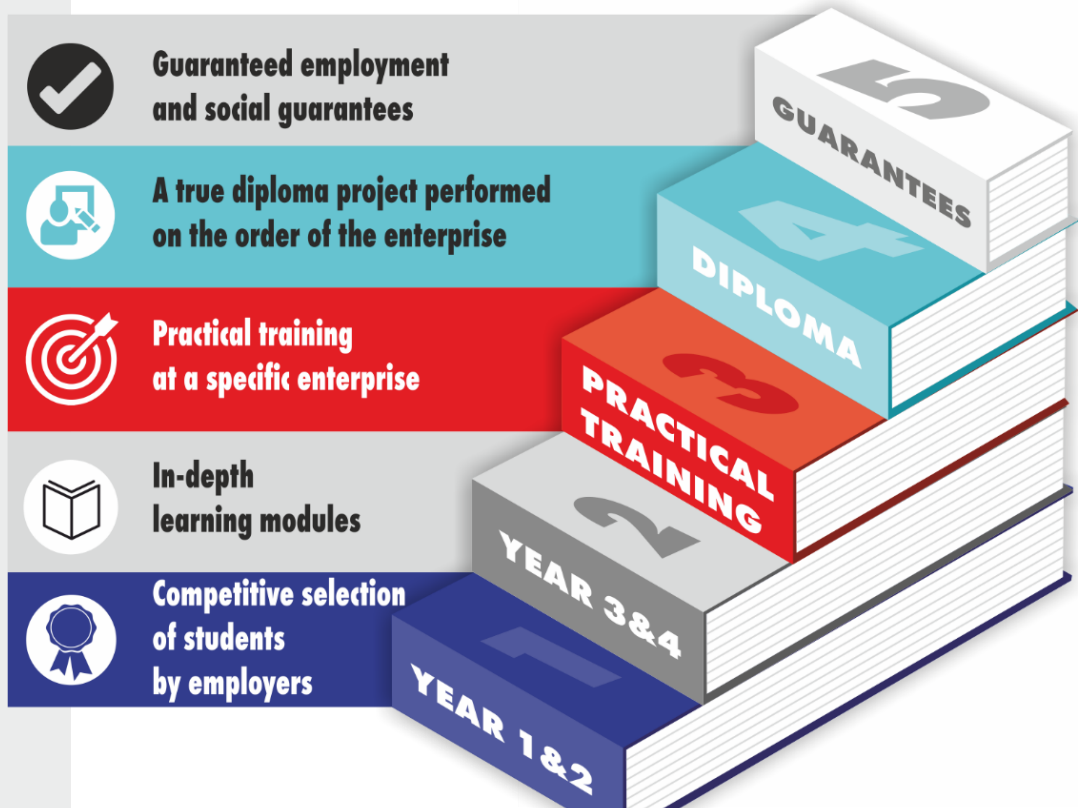
Entrepreneurial university

WorldSkills Championship and business project competitions (building entrepreneurial competencies and soft skills)

"Technology entrepreneurship" course (Building fundamentals of technology entrepreneurship)

Jobs at the NMSTU R&D center and small innovative enterprises (building skills to establish a private startup company or a small innovative enterprise)

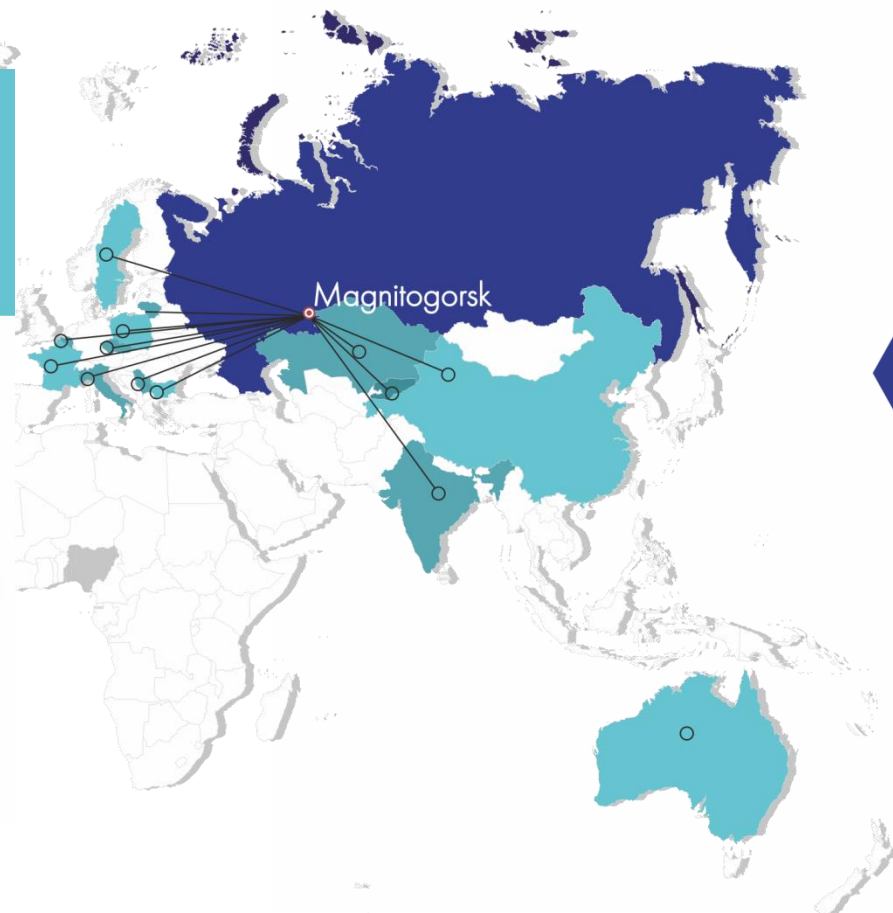
Bachelor's degree programs 4+ is an in-depth training of graduates together with enterprises in view of special features of a future field of activities.



INTERNATIONAL ACTIVITIES



According to the rankings of QS, a top world agency, the University is included into TOP 350 of the best universities in BRICS (Brazil, Russia, India, China and South Africa) and in TOP 300 of the best universities in the countries of emerging Europe and Central Asia.



EXTRACURRICULAR ACTIVITIES

In 2012-2018, students' associations attracted over RUB 70 m to carry out student initiatives

**38 Lenin street
Room 1105A
(South entrance)**

**The Honorary President of the Club is Nikolay Kulemin, a player of the Russian team,
a forward of the Metallurg Magnitogorsk ice hockey club**

Best sports club of Russia in 2018 (according to the Student Basketball Association)

**Bronze winner of the contest "Best student sports club" (according to the Russian
Association of Student Sports Clubs)**



**Uvarovsky
Students' Teams**

6 fields of activities

Over 450 participants

**Seven-time winners of the perpetual trophy "Golden masonry trowel"
and the award of the Best University Students' Team of the Chelyabinsk Region**

**45/1 K. Marx
street
(Building 5,
NMSTU)
Ground floor**

**38 Lenin street
Room 091
(South entrance)**

Member of the Russian Association of Student Media Centers

Modern facilities and photo studio

30 awards in all-Russian media contests



**NMSTU
Student Media Center**

EXTRACURRICULAR ACTIVITIES



**38 Lenin street
Room 2103A
(South entrance)**

**Best volunteer center in the region
Over 2000 volunteers
Participation in 4 world sports events**



**Call of the Heart
Volunteer Center**

**38 Lenin street
Room 091
(South entrance)**

**An individual system of leagues of Magnitogorsk
Champions of previous years
Participated in KVN (the Club of the Funny and Inventive People) TV leagues
A total prize fund of the Magnitogorsk KVN league system is
about RUB 400 thousand (per season)**



**KVN
student club**

**NMSTU students' and
PhD students'
primary trade union**



97% of students are trade union members

**Six-time winners of the program
on development of student unions**

Winners of the contest "Student Leader of Russia" in 2014

**38 Lenin street
Room 1101
(South entrance)**

**45/2 K. Marx
street
Rooms 504, 505**

**RUB 5.5 m of attracted grant funds
Winners of the 2nd all-Russian contest of student research
societies and design departments in 2016
Hosted IKAR, the all-Russian contest of the AeroNet branch**



**Student
Research
Society**

INFRASTRUCTURE





Governor of the Chelyabinsk Region
Graduated from Magnitogorsk Institute of Mining
and Metallurgy (now, NMSTU) in 1990

BORIS A. DUBROVSKY

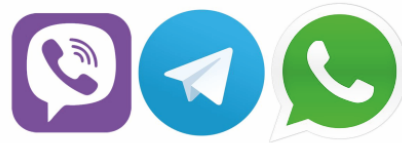


Governor of the Magadan Region
Graduated from Magnitogorsk
Institute of Mining and Metallurgy
(now, NMSTU) in 1983

SERGEY K. NOSOV



According to the Forbes assessment of efficiency of Russian universities with regard to a number of rich alumni, TOP 16 includes the only one South Ural university, namely NMSTU: three graduates are included into [100 billionaires of the Forbes list](#).



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www.vk.com/nmstu – official group of NMSTU

www.instagram.com/nmstu – official account of NMSTU

www.facebook.com/nmstu – official page of NMSTU

www.youtube.com/user/magtu74 – official channel of NMSTU



magtu.ru