

# PhD programs (3–4 years)

## College of Basic Professional Studies

- 1.3.8 Condensed matter physics
- 2.8.9 Mineral enrichment

## College of Physics and Quantum engineering

- 1.3.8 Condensed matter physics

## College of New Materials

- 1.3.8 Condensed matter physics
- 1.3.11 Physics of semiconductors
- 2.2.3 Technology and equipment for materials and electronic devices production
- 2.6.1 Metal science and heat treatment of metals and alloys
- 2.6.6 Nanotechnologies and nanomaterials
- 2.6.17 Materials Science

## College of Biomedical Engineering

- 2.6.17 Materials Science

## College of Technology

- 1.4.2 Analytical Chemistry
- 2.5.7 Technologies and pressure treatment machines
- 2.5.22 Product quality management. Standardization. Production organization
- 2.6.1 Metal science and heat treatment of metals and alloys
- 2.6.2 Metallurgy of ferrous, non-ferrous and rare metals
- 2.6.3 Foundry production
- 2.6.4 Metal processing by pressure
- 2.6.5 Powder metallurgy and composite materials
- 2.6.9 Electrochemical process technology and corrosion protection
- 2.10.2 Environmental safety
- 2.10.3 Occupational safety

## College of Mining

- 1.6.20 Geoinformatics, cartography
- 1.6.21 Geoecology
- 2.4.2 Electrical engineering complexes and systems
- 2.6.12 Chemical technology of fuels and high-energy substances
- 2.8.3 Mining and oil and gas field geology, geophysics, surveying and subsurface geometry
- 2.8.6 Geomechanics, rock destruction, mining aerogasodynamics and mining thermophysics
- 2.8.7 Theoretical foundations of mining engineering systems design
- 2.8.8 Geotechnology, mining machines
- 2.8.9 Mineral enrichment
- 2.10.3 Occupational safety

## College of Computer Science

- 2.3.1 System analysis, information management and processing, statistics
- 2.3.3 Automation and control of technological processes and productions

## College of Economics and Management

- 5.2.3 Regional and sectoral economy

# Admission requirements

## Undergraduate Programs

Secondary Education Certificate  
Good command of Russian – level TORFL-1 (B1)  
Pass 3 entrance examinations with the minimum admission score

### Required Documents:

- Application
- Copy of passport with notarized translation into Russian language + original passport
- Copies of documents on education with notarized translation into Russian language + original
- 4 photos (size: 3 cm x 4 cm, matte on a white background)

## Master's Programs in Russian

Bachelor's Degree or equivalent  
Very good command of Russian – level TORFL-2 (B2)  
Pass entrance examination with the minimum admission score

### Required Documents:

- Application
- Copy of passport with notarized translation into Russian language + original passport
- Copies of documents on education with notarized translation into Russian language + original
- 4 photos (size: 3 cm x 4 cm, matte on a white background)

## Master's Programs in English

Bachelor's Degree or equivalent  
Very good command of English – level B2  
Pass online examination with the minimum admission score

### Required Documents:

- Application
- Copy of the passport biographical page with notarized translation into Russian language
- Copies of the Bachelor Diploma Certificate (or equivalent) and the educational transcript with notarized translation into Russian language
- Statement on standard medical form
- Medical certificate
- Motivational letter in English
- CV in English

## PhD Programs

Master's Degree or equivalent  
Excellent command of Russian – level TORFL-3 (C1)  
Pass online examination with the minimum admission score

### Required Documents:

- Application
- Copy of passport with notarized translation into Russian language + original passport
- Copies of documents on education with notarized translation into Russian language + original
- 4 photos (size: 3 cm x 4 cm, matte on a white background)
- Research proposal in Russian or English



DISCOVERIES  
BEGIN  
WITH YOU

# EDUCATIONAL PROGRAMS



## Contact Information

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## Bachelor's programs (4 years)

### College of Computer Science

38.03.05 Business Informatics

### College of New Materials

03.03.02 Physics

28.03.01 Nanotechnologies & Microsystem Technics

28.03.03 Nanomaterials

### College of Basic Professional Studies

45.03.02 Linguistics

### College of Economics and Management

38.03.01 Economics

38.03.02 Management

38.03.05 Innovatics

27.03.06 Commerce

### College of Biomedical Engineering

19.03.01 Biotechnology

## Basic higher education's programs (4-6 years)

### College of Mining

13.03.02 Power & Electrical Engineering

### College of New Materials

11.03.04 Electronics & Nanoelectronics

22.03.01 Materials Science and Materials Technology

### College of Technology

15.03.02 Technological Machines & Equipment

22.03.02 Metallurgy

### College of Computer Science

01.03.04 Applied Mathematics

09.03.01 Informatics and Computer Engineering

09.03.02 Information Systems and Technologies

09.03.03 Applied Informatics

## Specialist's programs (5 - 5,5 years)

### College of Mining

21.05.04 Mining

21.05.05 Physical Processes in Mining and Oil & Gas Industry

## Master's programs (2 years)

### College of Computer Science

09.04.01 Computer Science & Engineering

09.04.02 Information Systems and Technologies

09.04.03 Applied Computer Science

01.04.04 Applied Mathematics

38.04.05 Business Informatics

### College of Mining

13.04.02 Power & Electrical Engineering

20.04.01 Technosphere Safety

38.04.02 Management

### College of New Materials

03.04.02 Physics

11.04.04 Electronics and Nanoelectronics

18.04.01 Chemical technology

22.04.01 Materials Science & Technologies

28.04.01 Nanotechnologies & Microsystem Technics

### College of Technology

15.04.02 Technological Machines & Equipment

20.04.01 Technosphere Safety

22.04.02 Metallurgy

27.04.01 Standardization and metrology

27.04.02 Quality management

27.04.04 Control in Technical Systems

29.04.04 Material artistic processing technology

### College of Economics and Management

38.04.01 Economics

38.00.03 Management

27.04.06 Organisation and management of knowledge-intensive industries

### College of Basic Professional Studies

45.04.02 Linguistics

### College of Physics and Quantum engineering

03.04.02 Physics

### College of Biomedical Engineering

19.04.01 Biotechnology

22.04.01 Materials Science & Technologies



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## Master's programs in English

### 09.04.01 Informatics and Computer Technologies:

- Data Science
- Innovative Software Systems: Design, Development & Application

### 03.04.02 Physics:

Quantum Physics for Advanced Materials Engineering

### 22.04.01 Materials Science and Technology:

- Advanced Materials Science
- Science and Materials of Solar Energy

### 22.04.02 Metallurgy:

Advanced Metallic Materials and Engineering

### 28.04.01 Nanotechnologies and Microsystem Engineering:

Nanotechnology and Materials for Micro- and Nanosystems

### 45.04.02 Linguistics:

- Communications and International Public Relations
- Second Language Teaching and Pedagogical Design in Digital
- Intercultural Communication and International Tourism

### 09.04.03 Applied Computer Science:

UX/UI Design

### 38.00.03 Management:

Management and Marketing of Technical Solutions and Digital Products

### 20.04.01 Technosphere Safety:

Mining Geology

## Specialized higher education's programs (1-2 years)

### College of Computer Science

09.04.01 Computer Science & Engineering

### College of Mining

15.04.02 Technological Machines & Equipment

22.04.02 Metallurgy

### College of Technology

22.04.02 Metallurgy

27.04.02 Quality management

### College of Economics and Management

38.04.02 Management

## Pre-University Preparatory Courses

- Natural Science Oriented program (11 months)
- Engineering and Technical Oriented Program (11 months)
- Medical and biological Oriented Program (11 months)
- Economics Oriented program (11 months)
- Basic course of Russian language (11 months)
- Basic course of Russian language (7 months)