National University of Science and Technology “MISIS”
Brief History

- 1918 *Creation of the Moscow Academy of Mines (MAM), including the Metallurgical Department.*
- 1930 *Moscow Institute of Steel (MIS) separated from MAM and became an independent institute.*
- 1962 *MIS and Institute of Non-Ferrous Metals and Gold were combined under the name of Moscow Institute of Steel and Alloys.*
- 2008 *MISIS obtained the status of National University of Science and Technology.*
7 colleges, including 57 departments, 16 research laboratories, and 18 instructional/research centers;
- approximately 16,800 undergraduate and graduate students;
- 46 undergraduate and graduate programs, as well as short-term training programs for professional engineers;
- 4 branch campuses in Elektrostal (Moscow Region), Stariy

9 educational advising centers
Trains specialists in advanced Materials Science, Nanotechnology, and Metallurgy with expertise in

- Information Technology
- Environmental Science
- Organizational Economics and Management
- Quality Control
Research Activities
(Grants and Projects)

- Materials Science (37 %);
- Metallurgy (24 %);
- Electronics and Radio Engineering (9.5 %);
- Physics (7 %);
- Mechanical Engineering (5 %);
- Environmental Science (4.8 %);
- Science Education (4.6 %);
- Economics and Management (2.4 %);
- Computer Science (2.4 %); and
- Contemporary Problems of Engineering and Natural Science (2.4 %).
Total Students Amount
2008/2009 acad. year

- Stariy Osckol; 3975; 25%
- Electostal; 3325; 21%
- Novotroitsk; 914; 6%
- Vyksa; 387; 2%
- MISiS; 7525; 46%
- Vyksa; 387; 2%
Academic Staff

- PhD: 527; 49%
- DSc: 204; 19%
- MSc: 342; 32%
<table>
<thead>
<tr>
<th>Description</th>
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<td>7 modern labs in the College of Undergraduate Studies;</td>
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<td>10 inter-disciplinary instructional/research labs;</td>
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<td>42 high-tech classrooms (a total of 3000 sq. m.);</td>
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<td>31 multimedia classrooms;</td>
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<td>10 mobile multimedia units;</td>
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<td>3 cutting-edge pieces of research equipment in the Innovative Technologies</td>
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Multimedia Classrooms
The Common Use Center
Labs of the College of Undergraduate Studies
E-Library and Digital Publishing Complex
International Collaboration

Approximately 120 Universities, R&D Centers, and Scientific Foundations

National Politechnic Institute of Lorraine; EADS; Daimler Chrysler AG; TU- Bergakademie Freiberg; TU-Dresden; RWTH; University of Ulm; University of Tokyo; General Motors; General Electric; Outotec; Colorado School of Mines; Cambridge...
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<tr>
<td><strong>Other Countries</strong></td>
<td>102</td>
<td>95</td>
<td>129</td>
<td>177</td>
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<td><strong>CIS Countries</strong></td>
<td>360</td>
<td>372</td>
<td>364</td>
<td>374</td>
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Student residence halls consist of 4 comfortable, high-rise buildings located 20 minutes from MISiS by direct subway line.
In-door and out-door sports facilities, including playing fields, a swimming pool, well-equipped gyms, and a sauna.
MISIS has one of the largest and most famous university concert halls in Moscow—1500 seats.
ISTC projects in MISIS

- Total projects submitted: 86
- Projects funded: 25
- Funds allocated: $3,725,339.00
Last funded projects

- 3616 Development of Environmentally-Friendly Dry Machining Process
- 3620 Development of Method of Manufacturing Stream-Forming Nozzles and Mouth-Pieces from Diamond Polycrystals for Plants of Gas- and Fluid-Abrasive Treatment
- 3238 Polymer composite materials reinforced with diamonds nanoparticles
- 3081.2 Development of new methods of manufacturing unique mono-block large-sized plates
Submitted for next Governing Board and prepared ISTC projects

- 4056 Investigation of onion-like carbon nanoparticles produced from nanodiamonds of detonation synthesis and development of composites with their application

- 3999 Development of nanocomposite coatings for protection of sea constructions against from corrosion and biofouling

- Research and development of technological scheme of fabricating economy energy-saving transition elements of current-carrying units in power engineering and electrometallurgy