

# Physics and Chemistry of Processes and Materials

National University of Science and Technology MISIS

Degree or qualification is awarded: **Bachelor's Diploma in Materials Science and Technologies**

Language of study: **Russian**

Mode of study: **full-time**

Duration: **4 years**

Availability of free education: **yes**

Price: **228 000 rubles/year**

Programme webpage at the university website:

<https://misis.ru/applicants/admission/baccalaureate-and-specialty/faculties/materialoved/>

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This program is unique with its deep focus on experimental methods and modern equipment for research and diagnosis of materials including their content, structure and physical and chemical properties. Students study the regularities of processes for obtaining new materials with outstanding properties, such as nanomaterials, superhard and high-temperature materials, adamants and ceramics, composites, and new types of metal alloys.

Our graduates are well familiar with the main types of modern structural and functional materials. They have full command of methods and means of testing and diagnostics, research and quality control. The fact that our graduates know all types of modern research and testing equipment allows them to creatively solve almost any scientific and technical problems in the field of materials science. It provides them with a successful career in scientific and industrial organizations, as well as allows them to continue their studies in the master's program of the most prestigious universities in Russia and the world.

## Specializations within this programme

Metallic and oxide-based nanomaterials, carbon nanotubes and fibers, composites, high-temperature and superhard materials, amorphous materials, medical materials, nanobiotechnologies, materials for photovoltaic and solar heat panels, high-energy magnet materials, self-propagating high-temperature synthesis (SHS).