

# Multicomponent Nanostructured Coatings. Nanofilms

National University of Science and Technology MISIS

Language of study: **English**

Mode of study: **full-time**

Duration: **2 years**

Availability of free education: **yes**

Price: **245 400 rubles/per year**

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The program provides high-quality basic knowledge and practical training in the field of surface engineering with in-depth focus on nanocomposite and nanostructured films and coatings.

## Specializations within this programme

- Advanced methods of coating and nanofilm deposition
- Disperse-strengthened by nanoparticles tribological coatings SHS (self-propagating high temperature synthesis) process as a basis of synthesis of inorganic materials
- Nanofilms: fundamental principles, methods for studying structure and properties, applications
- Methods of contact and non-contact characterization of surface topography
- New methods for studying mechanical properties and standards - Nanofilms for mechanical engineering and medicine
- Friction and wear of coatings