28.04.01
Nanotechnologies and Microsystem Techniques
Master's degree program
"Material Science of Nanosystems"

Degree: *Master*
Duration of training: *2 years*
Form of training: *intramural*
Language of instruction: *Russian*
Accreditation: *state*

Program description:

You will receive training in nanomaterials research;
Experience of research practice;
Fundamental and practical problems in nanotechnology solving *skills*.

Basic courses:
"Foreign Language", "Micro- and Nanosystems in Engineering and Technology", "Computer Technologies in Scientific Research"

Special courses: "Actual Problems of Modern Nanotechnology", "Physics of Epitaxial Heterostructures", "Materials Science of Nanosystems", "History, Methodology and Organization of Science"

Research areas: development of new technologies for functional materials generation and application, including nanoparticles, nanocrystals and heteroepitaxial films; research into physico-chemical development principles of nanostructures with the given properties, characteristics and mechanisms of its generation.

Graduates of the program work as scientific and pedagogical workers, researchers in physical and technical research institutions, hi tech enterprises, companies producing control, measuring and diagnostic equipment, in secondary and higher educational institutions.

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