

Modern Problems of Software Engineering (in English)

National Research Nuclear University MEPhI (Moscow Engineering Physics Institute)

Degree or qualification is awarded: **Master's degree**

Language of study: **English**

Mode of study: **full-time**

Duration: **2 years**

Availability of free education: **yes**

Price: **123 700 rubles per semester**

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Basic information

The program devoted to master training with special background in the field of cybernetic system development technologies, with the main intension of supplying staff to organizations in high-tech fields of science and industry.

Acquirements

The masters develop the following competencies that allows them to grow constantly in the different field of professional activities:

- introducing new information technologies to the organization infrastructure;
- business consulting and engineering;
- Methods and algorithms for data processing in data-processing systems;
- high-performance and distributed data-processing system;
- Industrial testing of software;
- Programming languages and compilers;
- Network protocols and network services.

Competitive strengths

Along with all disciplines required by the federal standards, students are additionally trained in various fields of discrete mathematics, database systems and technologies, various cybernetic systems development technologies, models of physical processes in nuclear systems. Student participation in research activities, with qualifying works being made and presented, is mandatory.

Career opportunities

The professional line includes design and implementation, as well as maintenance, of information systems and software products in the field of software engineering and computer science for state, industrial and commercial organizations:

- computing centers and data centers;
- scientific-industrial corporations;

high-school education centers

Specializations within this programme