

Innovation Management

National Research Nuclear University MEPhI (Moscow Engineering Physics Institute)

Degree or qualification is awarded: **Bachelor degree**

Language of study: **Russian**

Mode of study: **full-time**

Duration: **4 years**

Availability of free education: **yes**

Price: **72 150 - 128 200 rubles per semester**

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Goals of the Program

The target model of enterprise management provides the economic integration of all elements of the model (strategic management, risk management, market management, production management, development of economic and financial system, including accounting and auditing, investment portfolio management, etc.) to provide the required level of its development. Educational trajectory is built so that graduates have the competencies that allow them to work at any enterprise or organization (e.g., at State Corporation "Rosatom").

Brief description of the program

The main objective is the training of Bachelors in computer science, who are engaged in development, implementation, analysis, and support of professional-oriented information systems in the field of innovation management and are capable of making decisions in functional tasks and managing informational, material and cash flows using such information systems.

Characteristics of the scope and objects of professional activity of future

- system analysis of application area, formalization of solutions;
- to application tasks and processes of information systems (ISs);
- formulation of requirements for establishment and progress of an IS and its components;
- feasibility study of design solutions;
- development of projects of automation and computerization of applied processes and IS creation in applied areas;
- implementation of design solutions using modern information and communication technologies and programming techniques;
- introduction of automation projects for solving applied problems and the creation of ISs;
- project management including informatization of enterprises and organizations;
- training and consulting on automation solutions for applied tasks;
- maintenance and operation of ISs;
- quality assurance of automation and information solutions to applied tasks and creation of ISs.

Brief description of the curriculum

Curriculum provides adequate physical and mathematical training, as well as enhanced language training. Training in the field of applied informatics is combined with innovation management in the field of high technologies. During their study, students master the following disciplines: system analysis of humanitarian, scientific and technological areas; information systems, databases, and data analysis; modeling of developing systems and facilities; open systems, programming and information technologies, export control, marketing, etc.

Practices

Practical training is carried out in the weeks of theoretical training in the 4th semester.

Manufacturing Practice (2 weeks for bachelors of the 3rd course: July 6-19).

Pre-diploma Practice (2 weeks for bachelors of the 4th course: from May 25 to June7).

Specializations within this programme

Objects of the professional activity

- Data, information and knowledge;
- Applied and information processes;
- Applied information systems.