

# Applied Informatics in Economy and Management of High-Technology Industry

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: **3 years**

Availability of free education: **yes**

Price: **104 650- 128 200 rubles per semester**

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The program goal is to train highly qualified bachelors who can work successfully in the activities associated with the use of modern methods of mathematical economic research and IT technologies to effectively manage corporate information and finance, and has a universal and subject-specialized competences, contributes to their social mobility and sustainability in the job market.

Area of professional activity: a systematic analysis of the applied field, the formalization of the decision of applications and processes, information systems (IS); feasibility study project solutions, project development of automation and information application processes and the creation of IP application areas; works on the creation, modification, implementation and maintenance of information systems and management of these works; development of requirements for the establishment and development of IP and its components at all stages of the life cycle; project management informatization of enterprises and organizations; training and consulting for automation applications; QA automation solutions creation of IP applications; execution of works on design, development, modification, implementation, maintenance and operation of information systems.

Features of the curriculum: the main feature of the educational process is a thorough theoretical and vocational training in the field of information and analytical methods for the analysis of the global nuclear market; enterprise architecture and business strategy, engineering and reengineering of business processes of modern high-tech enterprise on the basis of a global initiative CDIO and professional standards. The training process used best educational technology: business games, intellectual competitions, trainings, workshops, solve business problems, computer simulyatsii. Studenty, mastered the disciplines of the curriculum, successfully working in large public and private companies related to the high-tech business.

Humanities module; Natural Sciences module; all-professional module; professional module

The educational program "Applied Informatics in Economics and management of high-tech industries" corresponds to research educational trajectory to provide continuous (through) training "Bachelor (Research) → Master (academic) → (postgraduate) → research, design and manufacturing company of high-tech industries of the real sector of the economy and financial institutions (banks, insurance companies, foundations and others.). "

## Specializations within this programme

### Applied Informatics

Objects of professional activity: applications and information processes, information technology, information systems.