**Bachelor degree program abstract in the field of training**

**09.03.02 Information Systems and Technologies**

*1. Code and name of the field of training, name of the program.*

09.03.02 Information Systems and Technologies, specificity – «Information Systems and Technologies»

*2. Program educational objectives*: to develop students ' general cultural, general professional and professional competences in accordance with the requirements of the educational standard of higher education, independently defined by NRNU MEPhI in the given direction of bachelors` training.

Forms and terms of education:

- full - time- training period - 4 years.

- correspondence form of training – training period 5 years.
Entrance examinations – Mathematics, Physics, Russian.

*3.The characteristic of professional activity of the GEP of undergraduate:*

**The area of professional activity of undergraduates includes:** study, development, integration and maintenance of information technologies and systems.

**The objects of professional activity of undergraduates are:** information processes, technologies, systems and networks, their tool maintenance (software, technical, organizational), ways and methods of design, debugging, production and operation of information technologies and systems in the fields of mechanical engineering, instrumentation, science, machinery, education, medicine, administration, law, business, entrepreneurship, commerce, management, banking systems, security of information technologies, technological process control, mechanics, technical physics, energy, nuclear energy, power electronics, metallurgy, building, transport, railway transport, communication, telecommunications, management of telecommunications, postal service, chemical industry, agriculture, textile and light industry, food industry, medical and biotechnology, mining, security of underground enterprises and industries, geology, oil and gas industry, geodesy and cartography, geoinformational systems, timber complex, chemical and timber industry, ecology, service sphere, mass media systems, design, media industry and as well as companies in various fields and all activities in terms of the economy of the information security.

**Types of professional activity**: engineering and design, design and technological, production and technological, organizational and administrative, scientific-research, innovative, installation and commissioning, service and operational.

**Undergraduate profession**: asystem administrator, an application programmer, a web-programmer, a web-designer, a specialist in information technology, an engineer of automated control systems.

**Employment**: informational systems and networks: their information and mathematical software; the ways and methods of design, debugging, production and operation of technical and software of information systems of enterprises and organizations of all industries and forms of ownership.

Minimal competitive group marks: Mathematics – 38, Physics – 40, Russian -38.