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

**27.03.04 Technical systems control**

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

27.03.04 Technical systems control, specificity – «Control and Informatics in technical systems».

*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.

Entrance examinations – Mathematics, Physics, Russian.

3. *The description of professional activity of undergraduates of GEP of bachelor course:*

**The area of professional activity of undergraduates includes**: designing, research, production and operation of systems and controls in industrial and defense industries; the creation of modern software and hardware research and design, control, technical diagnostics and industrial testing of automatic and automated control; implementation of projects on introduction of modern information-packed means and methods of automatic and automated control of technological processes at the industrial enterprise.

**The objects of professional activity of graduates are:** automation, control, testing, technical diagnostics and information management, methods and means for design, modeling, experimental research, commissioning of existing facilities and maintenance.

**Types of professional activity**: research; designing; production and technology; organization and management; installation and commissioning; service and operation.

**Undergraduateprofession**: engineer of automation control systems; engineer and design engineer of electronic equipment; electrical engineer; programmer.

**Employment**: nuclear, heat and hydropower enterprises; oil and gas industry; instrument engineering; mechanical engineering.

Minimum exam marks for a competitive group: Mathematics – 38, Physics – 40; Russian – 38.