**Bachelor’s Degree program**

**27.03.03. Systems Analysis and Management**

**Field of study:** Information Systems and Technologies.

**Program goals:** the training of bachelors possessing methods of systems analysis and management modern instrumental design and technological methods when developing hardware and software, promoting social mobility and stability in the labor market.

**Duration of training:** 4 years (Full-time); 5 years (Correspondence education)

**Basic department:** **Information and managing systems (VETI NRNU MEPhI)**

**Field of professional activity:**thearea of equipment and technology which demands carrying out designing and operation using the principles, methods, ways and means of human activity on the basis of systems analysis, management, modeling, production and operation of technical systems, objects, devices of different functions.

**Objects of professional activity:** the system and analytical technologies, management information, design and technology, projecting technologies and systems which demand research, the analysis, synthesis, programming and management on the basis of system and analytical approach.

**Types of graduate professional activity:** research; design and technology; construction.

**Curriculum features:** the curriculum is made taking into account requirements of labor market and employers. The curriculum includes such courses as “The Theory of Automatic Control”, “Programming Technologies”, “Data Management”, “System Analysis and Decision-making”, “Intellectual Systems and Technologies”, “Mathematical Fundamentals of the Management Theory”, “Systems of Simulation”, “Methods and Design Tools of Information Systems and Technologies”, “Diagnostics and Reliability of Automated Systems”, “Information Security and Protection”, “Automated Process Control Systems of the NPP”, etc. Carrying out all types of laboratory works and practical training is provided with modern material and technical resources.

**The list of enterprises for practical training and graduate employment:**

JSC Rosenergoatom Concern “Rostov Nuclear Power Plant”, JSC “NIAEP”, “Atommash” the branch of JSC “AEM Technologies” (Volgodonsk), LLC “Polesie”, Municipal Unitary Enterprise “Volgodonsk Electric Networks”, LLC Design and Construction Company “New Technologies” , LLC Civil Engineering Company “Universalstroy”, “Volgodonsk Interdistrict Electric Networks” the branch of JSC “Donenergo”, “Donenergomontazh” the branch of CJSC “Sezam”, Interdistrict and Federal Tax Inspection of Russia №. 4, LLC Separate Design and Technology Bureau “Energomash”.