**ANNOTATION**

of educational program

**Training course: 04.06.01 Chemistry Sciences**

**Program Name**: **04.06.01 Chemistry Sciences**

**Objectives**: training of scientific and scientific-pedagogical personnel, capable of innovation in the field of chemistry and related fields of science and higher education.

**Terms of training** in full-time education are 4 years.

**Graduate Department**: Department of Radiochemistry.

**The area of professional activity**: the sphere of science, high technologies, chemical and physic-chemical education, encompassing a set of problems of theoretical and applied chemistry, physical chemistry, radiochemistry, chemical physics (in accordance with the directions of preparation), as well as related natural science disciplines, research, development and technology, aimed at the registration and processing of information, the development of the theory of the creation and use of installations and gas systems, condensed matter physics division of isotope and molecular mixtures physics of fast processes, the study of non-equilibrium physical and physical-chemical processes.

**Objects of professional activity**: new substances, including radioactive elements, isotopes and materials, their physical and chemical transformations, including under different external conditions, chemical and physic-chemical processes and general laws of their occurrence, the scientific objectives of interdisciplinary character.

**Features of the curriculum**: the curriculum of postgraduate training is designed in accordance with the requirements of the Educational Standard of Higher Education, independently established by the National Research Nuclear University MEPhI, training profile: 04.06.01 Chemistry Sciences.

The curriculum demonstrates logical sequence of cycles of development and the sections of educational program (disciplines, practices), ensuring the formation of competencies, the specified total complexity of disciplines, modules practices in credit units, as well as their general and the complexity of classroom hours.

**The list of enterprises for practical training and employment of graduates**: the practice is carried out in Rosatom State Corporation enterprises and the structural units of the University.

Employment of graduates is expected to Research Institute of Atomic Reactors, Rosatom State Corporation enterprises, the Federal High-Tech Medical Radiology Center of Dimitrovgrad and in leading medical centers in the country.