

## **18.04.01 Chemical Technology**

### **Chemical Technologies of Pharmaceuticals**

*Department "Industrial Pharmacy"*

#### **Program objective**

Provide knowledge of methods, instruments and means of obtaining substances and materials using physical and chemical processes to create, implement and operate production of pharmaceuticals.

#### **Curriculum features**

- methods of pharmaceutical analysis
- quality control and standardization of pharmaceuticals
- production technology of dosage forms
- manufacturing and distribution practices of pharmaceuticals
- genetic engineering products
- medical immunobiological preparations
- biomedical cell preparations
- pharmaceutical activity management.

#### **Competitive advantages**

- combination of deep fundamental natural science training and practical training at specialized enterprises
- modern technological and analytical equipment ("clean" rooms).
- opportunity to participate in international conferences, research projects, internships in leading foreign research centers

#### **Practical training and employment opportunities**

- institutes and enterprises of Rosatom State Corporation
- institutes of the Russian Academy of Sciences
- national and foreign research centers
- universities of the Russian Federation and abroad
- small innovative and specialized pharmaceutical enterprises, etc.