



Field of Study: **Biotechnology**

Major: **Food biotechnology**

Ivanovo State University of Chemistry and Technology, Russia  
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<b>Awarded degree or qualification:</b>	Bachelor
<b>Language of instruction:</b>	Russian (Preparatory Department for studying Russian language is available)
<b>Form of training:</b>	Full-time
<b>Duration:</b>	4 years
<b>Possibility of free training:</b>	Yes (see more)
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## 1. Programme description

Currently, products obtained by the biotechnological method are widely used in the food industry. Modern food biotechnology is an industry of food ingredients - auxiliary technological additives introduced into food products in the process of manufacturing to increase their nutritional properties. The field of application of food additives is expanding, including those obtained with the help of microbial cells: organic acids, enzyme preparations, sweeteners, flavonoids, thickeners, etc. The demand for specialists in this field is growing every year.

The educational programme allows to prepare graduates in the field of modern biotechnology. The training programme provides knowledge in various fields, in particular, in the field of biotechnology, nanotechnology, food chemistry, materials science, resource and energy-saving technologies.

## 2. Programme objectives

The graduate will be able to perform the following tasks:

- to manage the technological processes of existing biotechnological industries;
- to organize workplaces, their technical equipment, installation of technological equipment;
- to take an active part in refining and mastering technological processes in the course of preparation for the production of new products;
- to conduct incoming inspection of raw materials;
- to use methods of mathematical modeling for optimization of technological processes.



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### **3. The field of professional activity of graduates**

The professional activity of the graduate is aimed at the implementation of modern biotechnology in the food industry. A graduate will be able to carry out professional activities in industrial enterprises and in research organizations engaged in the production and research of food products from plant and animal raw materials.

### **4. The educational programme prepares:**

- technologists and managers in the field of food biotechnologies,
- researchers in scientific-research and project organizations.

Students enrolled in this programme will become elite graduates who are able to conduct research and promote high-tech technologies in production.

### **5. Major disciplines:**

"Food biotechnology"

"Food production technologies"

"Biochemistry of milk"

"Technology of milk"

"Technology for the production of biologically active substances"