

# Biotechnology

National Research ITMO University

Degree or qualification is awarded: **B.S. in Biotechnology**

Language of study: **Russian**

Mode of study: **full-time**

Duration: **4 years**

Availability of free education: **yes**

Price: **246 000 RUB per year**

Programme webpage at the university website: <https://en.itmo.ru/en/program/197/Biotechnology.htm>

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## Program description

As part of the program, students acquire professional knowledge and skills that allow them to make decisions and develop projects in the field of biotechnology of food products of plant and animal origin associated with industrial production of drinks, bread, confectionery, dairy products and cheeses, as well as in the field of applying biotechnology and engineering systems for the purposes of ensuring environmental safety and sustainable use of resources such as creating biological systems for degrading and neutralizing harmful chemicals polluting the environment, as well as processing manufacturing and consumption waste with the production of secondary materials and energy.

Students have access to modern laboratories and can take part in internships at Russian and international companies and partner universities. The scope for future professional activity includes research, production and use of microbial, fungal, cell cultures for biological treatment, detoxification, bioremediation and biomonitoring of environmental objects.

## Specializations within this programme

### Biotechnology and Bioengineering

The main purpose of the educational program is to train specialists in the field of computer modelling and analysis of biological objects and systems, developing of biological materials.

### Food Biotechnology

Bachelors of this profile are preparing for the production and processing of professional activities, including payment, time-processing equipment and operating facilities liquefaction and separation of the n-call, storage and transportation products division.

### Bioengineering

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