



## Southern Federal University

You're about to discover  
a very special place!

A leading Educational  
and Research Center is  
waiting for new,  
prospective and creative  
students.

We offer a world-class  
education on competitive  
terms.

Southern Federal University  
Rostov-on-Don, Stachki 194/1

To a prospective student

## Human ecology with fundamentals of biomedicine

Human ecology and biomedicine are modern, strongly connected fields of knowledge that allow you to use fundamental biological principles to solve medical problems. Today's employers are looking for skilled professionals in the field of biology who can operate modern equipment, set and solve problems corresponding to modern challenges.





## Master in Biology

- ✓ 2 - year program
- ✓ Full program in English
- ✓ Degree in Biology

### Why our program?

Our program combines biomedical courses with disciplines in human ecology. These areas of knowledge mutually complement each other and allow preparing highly qualified specialists capable of solving problems not only at the level of a human organism, but also of its interaction with the environment.

The program is based on in-depth theoretical, experimental and practical training of masters in the field of medical biochemistry, genetics and microbiology, as well as human ecology.



"Our goal is to prepare real biomedical professionals" – Andrey Gorovtsov, PhD, Director of the Program

### Disciplines and courses include:

- Philosophical concepts in natural sciences, history and methodology in biology
- General ecology and the estimation of anthropogenic impact on the environment
- Computer technologies, biological databases and statistics
- Advanced methods in biology: morphology, histology and immunohistochemistry
- Molecular biology and bioinformatics
- Medical biochemistry
- Biology of ageing
- Green technologies

- Forensic environmental expertise
- Microorganisms and the environment in human life
- Foreign language

The theoretical courses are supported by diverse and advanced laboratory practices. There are scientific links with leading world universities: Rutgers (USA), Saarland University (Germany).

### Work paths and future careers

Our graduates will succeed in, but are not limited to, careers requiring knowledge and skills in biochemistry, genetics and microbiology.

Possible employers include medical and clinical diagnostic centers, clinical and bacteriological laboratories, IVF centers, genetic laboratories, biological laboratories at biotechnological enterprises.

### Contacts

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