

44.04.01 Pedagogical education

Design of Pedagogical Systems in Biological and Chemical Education

Degree: master

Language: Russian

Credits: 120

Start date: 2020

Location: Academy of Biology and Biotechnologies, Rostov-on-Don

Entry requirements: Diploma of Higher Education (bachelor degree)

The structure of the educational program is reflected in *the Basic curriculum* that is made according to requirements of FGOS IN, and the Standard of development and implementation of educational programs of SFedU.

Types of activity: **pedagogical, research, design, methodical.**

The curriculum contains the units and modules logically connected according to the contents and sequence of studying.

The unit of obligatory disciplines forming common cultural and all-professional competences of the teacher consists of all-pedagogical module, the module of design activity and the professional module.

Basic courses:

- Modern problems of science and education
- Methodology of scientific research
- Pedagogical measurements in biological and chemical education
- Mathematical methods of processing the results of an scientific experiment in the field of education
- Chemistry in general and professional education
- Biology in general and professional education
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Research areas:

theory and principles of biological and chemical education

Graduates of the program will be able to work as methodologists, teachers of biology and chemistry in institutions of basic general, secondary, additional and higher education.

Contacts of the head of the program:

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