

**01.03.01 Mathematics,
01.03.03 Mechanics and
Mathematical Modeling**

“Mathematics. Mechanics”

Degree: *bachelor*

Duration of training: *4 years*

Form of training: *full time*

Language of instruction: *Russian*

Accreditation: *state*

Program description:

“Mathematics. Mechanics” is a unique educational program in the south of the country aimed at training of specialists in fundamental mathematics, mechanics and mathematical modeling. The program is notable for a good basic mathematical training during first years of education and an opportunity to choose individual learning path during senior years. The educational program includes extensive research activity under the guidance of highly qualified scientists.

You will receive *training* in mathematics, mechanics and mathematical modeling;

Experience in complex systems modeling, its optimization and analysis;

Skills of solving problems in the field of mathematics, mechanics, engineering, modern information technologies.

Basic courses:

Mathematical Analysis, Continuum Mechanics, Differential Equations, Computer Science.

Special courses:

Riemann Geometry and Tensorial Analysis, Functional Analysis and its Applications, Turbulence Models, Computer Biomechanics.

Research areas:

Mechanics of deformable solids, liquid, gas and plasma, theory of differential and integral operators, theory of functions.

Graduates of the program work as teachers, researchers, programmers, analysts in companies in the fields of education and research, data analysis, programming, mathematical modeling.

Contacts of the program director:

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