

**01.04.02 Applied Mathematics and
Computer Science
"Mathematical modeling in
engineering"**

Degree: Master

Program length and study mode: duration of
study - 2 years, full-time education

Language: Russian

Credits: 120

Start date: 09/01/2020

Location: Taganrog

Entry requirements:

- bachelor or specialist diploma
- knowledge in the field of mathematics and
computer science in accordance with the
approved program of entrance exams

The minimum number of points required to
participate in the competition is 50.

Program overview:

The educational program "Mathematical
modeling in engineering" is aimed at gaining
new knowledge in the field of mathematical
modeling, mathematical methods of image
processing, modern computer technologies, etc.,
necessary for modern engineers to solve
professional problems.

Program structure:

The educational program includes 3 units:
disciplines, practice, state final certification.

Typical units of study may include:

- modern problems of applied mathematics and
computer science
- modern computer technology
- methodology of scientific and design
activities

Research areas:

mathematical modeling of complex natural and
technical systems:

- biological processes,
- gas dynamics and hydrodynamics,
- image recognition,
- modeling and forecasting of economic
processes

Careers:

Graduates of the program will be able to
work in various professional fields -
engineering and in the field of IT-
technologies, and may also be in demand as
managers with skills in modeling and
forecasting enterprises.

Get in touch:

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