

Area of study:
**17.03.01 Naval Equipment
Program
"Ships and Underwater
Robotics Information and
Control Systems"**

Degree: *bachelor*
Program length and study mode: *4
years, intramural*
Language: *Russian*
Credits: *240*
Start date: *2020*
Location: *Taganrog*

Program overview:

The program is aimed at training of the highly qualified engineers for the enterprises of the United Shipbuilding Corporation, capable of solving the problems of development, production, maintenance and modernization of information and control systems of ships and underwater robotics.

Program structure:

The structure of the educational program is focused on the competence-based model of the Federal State Educational Standard 17.03.01, CDIO world initiative, the requirements of the systems engineer occupational standards and the description of the profession of a future electronics engineer of on-board control software.

Typical units of study may include:

- Dynamics of marine mobile objects
- Mathematical and software support of naval information and control systems
- Smart control systems for marine mobile objects
- Remote control systems for marine mobile objects
- Design of automated ship complexes and information and control systems
- Technical support of automated ship complexes and information and control systems

Research areas:

- Development of systems for automatic and automated control of marine mobile objects
- Underwater robotics

Careers:

- Enterprises of the United Shipbuilding Corporation
- Design and research organizations

Get in touch:

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