



<p style="text-align: center;">Area of study 09.03.01 Computation and Informatics Program Distributed computing systems and information and communication technologies</p> <p>Degree: Bachelor Program length and study mode: 4 years, intramural Language: Russian Credits: 240 Start date: September 01, 2020 Location: Taganrog, Institute of Computer Technologies and Information Security (ICTIS)</p> <p>Entry requirements: the results of the exam in mathematics, Informatics and the Russian language</p>	<p style="text-align: center;">Program overview:</p> <p>You will receive comprehensive training in the field of IT and will have the competencies to work with both software and hardware. At the same time, the training is mainly focused on the distributed systems and cloud-based technologies.</p> <p>Program structure: The program consists of three units:</p> <ul style="list-style-type: none"> • disciplines (modules); • practices; • State Final Examination. <p>Typical units of study may include: Algorithmic languages and programming; Databases and DBMS; System software; Distributed systems and cloud computing; Modern Web-technologies, Database Administration and computer networks; Digital circuit design.</p> <p>Research areas: Distributed computing systems and information and communication technologies</p>	<p>Careers: Graduates of the program will be able to work: system administrators, programmers and developers in the field of IT.</p> <p>Get in touch: Valeriy Pukhovskiy <i>Candidate of Engineering Sciences (PhD), Associate Professor of the Department of Computer Engineering, ICTIS;</i> Tel: +7(863)-437-16-56 E-mail: vpukhovskiy@sfedu.ru</p> <div style="text-align: center;">  </div>
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<p style="text-align: center;">Area of study: 09.03.01 Computation and Informatics Program Programming and System Integration of IT Solutions</p> <p>Degree: bachelor Program length and study mode: 4 years Language: Russian Credits: 240 Start date: 01.09.2020 Location: Taganrog</p> <p>Entry requirements: Basic knowledge of Computer Science and ICT (algorithmization, programming, number systems, skills in office software suites), the English language (A2 and above)</p>	<p>Program description: The properties that define the educational program are practical orientation, integration with IT-enterprises of the region, external independent assessment of the quality of education, individual educational path, intra-University network, bilingual general professional disciplines, and online courses. You will receive comprehensive interdisciplinary training in the field of IT, as well as in-depth knowledge of programming and design of IT infrastructure facilities (information systems, server and network equipment, gadgets and mobile devices); Experience in developing of desktop, mobile and Web applications, robotic systems and "smart" electronics, IT project management (IT Director, Project Manager); system integration and implementation of ERP, MRP, CRM, SCM systems for integrated and point automation of companies, system analytics and enterprise architecture and application design.</p> <p>Program structure: Unit 1: The disciplines and modules including the following: The university wide disciplines module, which includes disciplines (modules) that are mandatory for all areas of study: Foreign language, History, Philosophy, Culture of health, Life Safety, Economic and legal support of engineering activities; The module of project activity, including disciplines and creative projects aimed at solving professionally oriented project tasks: Introduction to engineering (8 credits, 2 creative projects); Creative</p>	<p>Careers: programmers, software architects, system analysts, product managers in the field of information technology; information systems specialists; project managers in the field of information technology in the following sectors: programming, analytics, modeling and design of business processes and systems, implementation of IT solutions</p> <p>Get in touch: - <i>Sergey A. Kucherov</i> - <i>Candidate of Technical Sciences</i> - 8(8634) 37-17-97 - skucherov@sfedu.ru - <i>WOS ID L-3203-2016</i> - <i>Scopus ID: 56962589600</i></p> 
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project (3 credits);

The module of University academic mobility, which allows students to supplement the educational program with basic knowledge, skills and abilities of other subject areas. The module includes three sets of disciplines of the student's choice (5 credits each).

The module of general professional disciplines, including mathematics, physics, computer science, programming, optimization methods and other disciplines aimed at the acquisition of general professional competencies;

The module of professional disciplines, which includes disciplines corresponding to the educational program, aimed at the acquisition of professional competencies;

The physical culture and sports module.

Unit 2: Practical trainings: academic, work experience internship and pre-graduation.

Unit 3: State final certification (9 credits).

Typical units of study may include:

Basics of algorithmization and programming, Databases and DBMS, Introduction to engineering, Business Analytics, IT infrastructure of an enterprise, Design and development of automated systems, Application programming in integrated environments, Integrated enterprise automation

Research areas:

Systems analysis and systems engineering