

# Informational and automated system for data control and processing

Immanuel Kant Baltic Federal University

Degree or qualification is awarded: **Bachelor**

Language of study: **Russian**

Mode of study: **full-time**

Duration: **4 years**

Availability of free education: **yes**

Price: **2 400 USD per year**

This course aims to teach you the skills required to design and support the operation of information systems, monitor the correctness and safety of its operation, as well as ensure uninterrupted access of the users to the necessary information and protect their data. You will learn how to design and support uninterrupted database work, monitor the user operations and user access to the required information, support smooth server operations, protect data and regulate its storage.

You will be able to use the received knowledge to develop computer programs and algorithms, analyse the need for new software, be responsible for computer network operations, data backup, and ensuring information security of the organization and its employees, understand the usage of computer components and software, peripherals, network and office equipment and develop mobile applications.

Professionals will share their experiences during the course of study. Studying takes place in various formats, such as workshops led by business and IT professionals, project assignments from active IT companies, work-like practical and laboratory classes and professional competitions. Participating in competitions and team programming tournaments will allow you to network and plan your professional development. Graduates of this course will become wide-profile IT professionals with the skills required to carry out development, design, adjustment, implementation, support, maintenance of any information systems.

## Specializations within this programme

What will I study?

- Programming
- Structures and algorithms of computer data processing
- Theory of automata, languages and translators
- Architecture of computer systems and computer networks
- Operating systems and computer networks
- WEB programming
- Databases
- Distributed databases and data storage