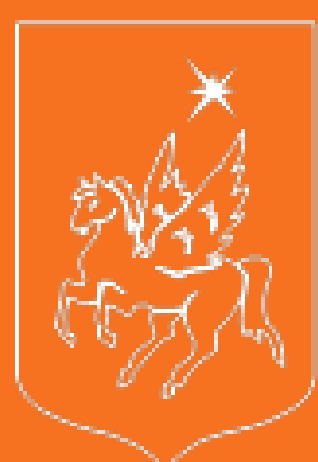


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INSTITUTE OF ENGINEERING AND DIGITAL TECHNOLOGY

# INFORMATION SYSTEMS AND TECHNOLOGIES

In the course of their studies, students acquire complex competencies in the field of information systems, programming, intelligent methods of information processing, construction and use of databases, information networks, design of embedded control systems and robotics systems. Laboratory and practical classes are held in classrooms and specialized scientific and training laboratories of the department, with modern high-tech equipment, computers and licensed software. In their junior year students have internships and work placements at leading IT companies, and in their senior year students have the opportunity to get a part-time job in their specialty.



**БелГУ**  
BELGOROD STATE  
UNIVERSITY (BSU)

# INFORMATION SYSTEMS AND TECHNOLOGIES

**LEVEL** Bachelor

## DEPARTMENT

Institute of Engineering and Digital Technology

**DURATION** 4 years

**START DATE** 1st September

**LOCATION** 308015, building 15, st. Pobedy, 85, Belgorod

**LANGUAGE** Russian

## TUITION FEES

3950 USD

- currency of payment is ruble

## WEB

[bsuedu.ru/bsu/](http://bsuedu.ru/bsu/)

## ACADEMIC-RELATED ENQUIRIES

**e-mail:**

[Ivaschuk@bsu.edu.ru](mailto:Ivaschuk@bsu.edu.ru)

(4722) 30-13-76

## ENTRY REQUIREMENTS

Admission of foreign citizens to study under contracts for the provision of educational services is carried out on a competitive basis (based on the results of entrance tests conducted by the university).

## APPLICATION

Application for acceptance of documents for enrolment (by mail).

Consent to the processing of personal data of the applicant.

Letter of consent

Identity document, citizenship.

Academic degree

Documents confirming the individual achievements of the applicant.

An agreement on the provision of paid educational services (for admission on a contractual basis).

## PROGRAM STRUCTURE

Year 1 - study of general education disciplines, higher mathematics, physics, applied theory of digital automata, fundamentals of cybernetics and applied programming in C.

Year 2 - deep study of the principles of object-oriented programming, methods and tools of information protection, data management issues (MySQL, PostgreSQL, PgAdmin, ERWin), features of design and operation of system software, computer electronics, functional components of digital systems and architecture of modern computers.

Year 3 - study of methods of design, verification, testing and operation of information systems, computer network administration, Web-programming, technology development of cross-platform applications in Java and C++, design of microcontroller systems, development of virtual reality systems and programming simulators.

Year 4 - design of artificial intelligence systems (artificial neural networks, fuzzy logic, genetic algorithms, etc.), development and software implementation of methods and algorithms for multimedia data processing, mastering additive technologies and concepts of industrial internet of things, design of information ACS, operation of computer-aided design systems for industrial robots..

## CAREER OPPORTUNITIES

Employment of graduates: leading state and commercial organisations and enterprises working in the field of design, production, adjustment and operation of hardware and software.

After completing the Bachelor's degree, students can continue their studies in the Master's degree programme 09.04.02 Information Systems and Technologies.