



# BELARUSIAN STATE UNIVERSITY OF INFORMATICS AND RADIOELECTRONICS



**THE FUTURE  
IS NOW**

**Master's Degree**

2021

## TIME-TESTED QUALITY

Leading IT university,  
Core institution in information technologies among CIS  
countries



Accredited by the State Committee and by the  
National Academy of Sciences of Belarus as a  
scientific organization



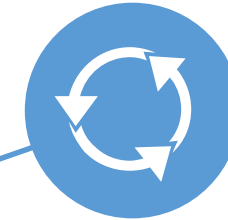
BSUIR is awarded by the Government of the  
Republic of Belarus for excellence in quality in the  
year 2011, 2016, 2019



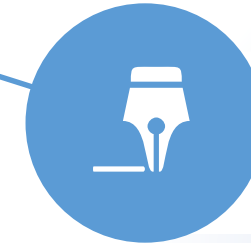
Over 90 000 successful graduates, including academicians,  
heads of ministries and departments, directors and leading experts of  
companies and large holdings



Certified for compliance of quality management system  
with International standard ISO 9001



Certified in German certification system DAkkS



Main institution in the study of protection from  
interference problems  
and provision of electromagnetic  
compatibility of electronic means



## SCIENCE

**34** research laboratories and groups

**8** research centers

**10+** annual international scientific conferences

**3000+** articles in WoS and Scopus

Business Incubator



## PERSPECTIVES

Internationally recognized qualifications  
Graduates demand

**400+** enterprises and leading world companies as places for practical training

Supplementary education in leading world companies' centers on the basis of BSUIR



## OPENNESS TO THE WORLD

Bilateral cooperation agreements with 150+ educational institutions and research centers

**1000+** foreign students from 40 countries

Trainings and practical trainings abroad, student exchange programmes

Joint degree programmes



## STUDENT LIFE

**4** comfortable hotel-type dormitories

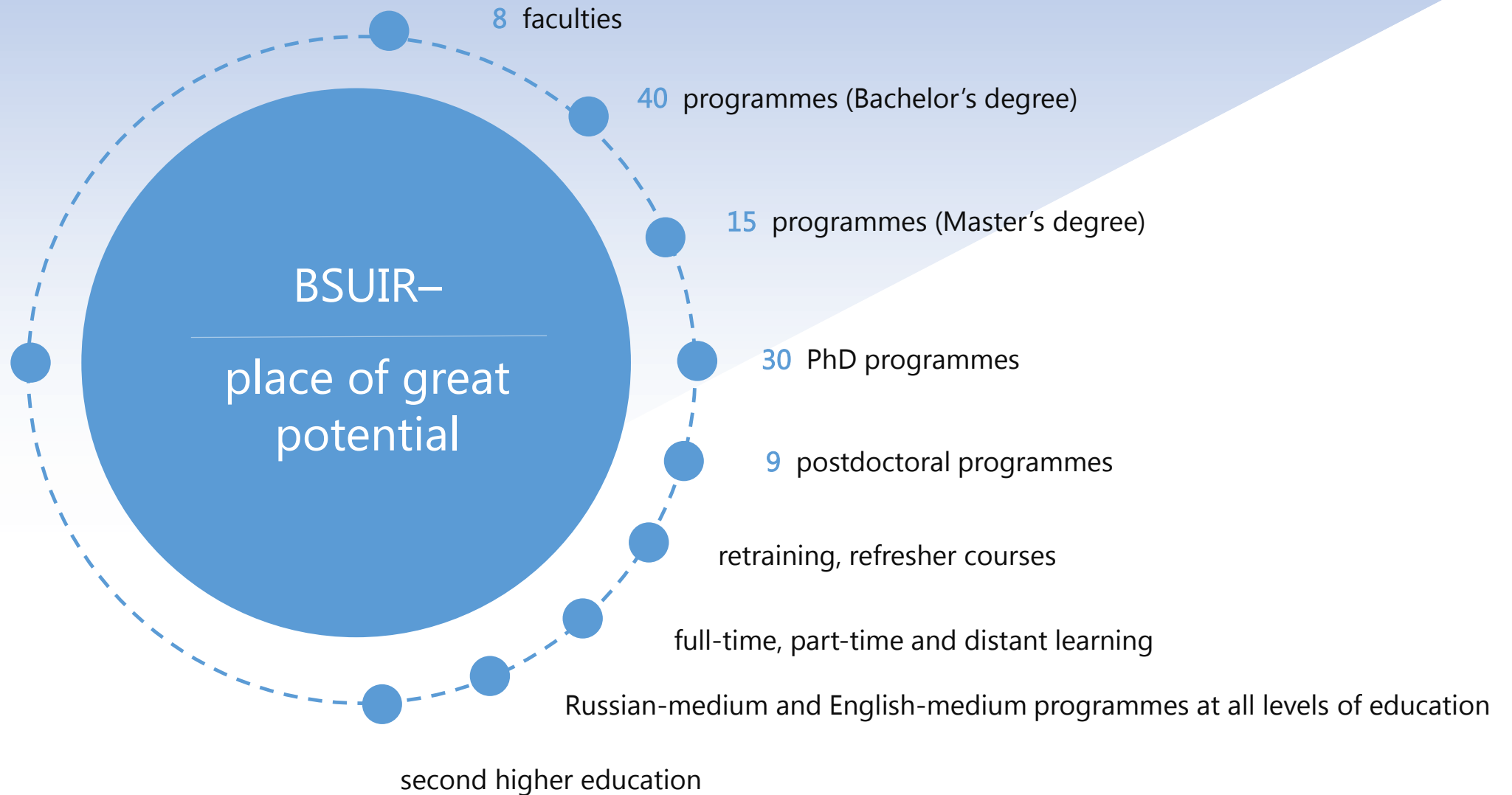
**40+** creative teams

**40** sports clubs

Campus **14 000+** m<sup>2</sup>

Forums, tournaments, festivals, contests, concerts, KVN (Club of the Funny and Inventive People), tourist gatherings

16000+ students



## MASTER'S DEGREE –SECOND LEVEL OF HIGHER EDUCATION

Studying in Master's degree programmes is research-oriented. Master programmes provide training of researchers, who intend to enter Ph.D. programmes.

Master programs are individually-tailored and include:

- a deeper study in the focus subject area
- passing end-of-term credits and exams
- passing qualifying exams for PhD candidacy
- research work
- preparation and defense of the Master's thesis

Upon completion of the programme the Master's degree diploma is awarded.



## FACULTY OF COMPUTER-AIDED DESIGN



### Psychology (full-time/part-time)

Specialization – Labour Psychology, Engineering Psychology, Ergonomics.  
Solving problems in the field of assessment and provision of indicators of the designed systems "man-machine-environment"

### Engineering Geometry and Computer Graphics (full-time)

Creation and processing of multimedia content, graphic design, 3D printing technologies

### Labor Protection and Ergonomics (full-time/part-time)

Monitoring of hazardous and harmful workplace factors, improvement of labor protection management methods taking into account the human factor in the design of systems "man - technology – workplace environment"



### Electronic Systems and Technologies (full-time/part-time)

Training of specialists in the field of research, development and practical application of electronic components, tools and technologies for information and telecommunication systems, transport and space technology, energy industry, computing and medical technologies

## FACULTY OF COMPUTER SYSTEMS AND NETWORKS

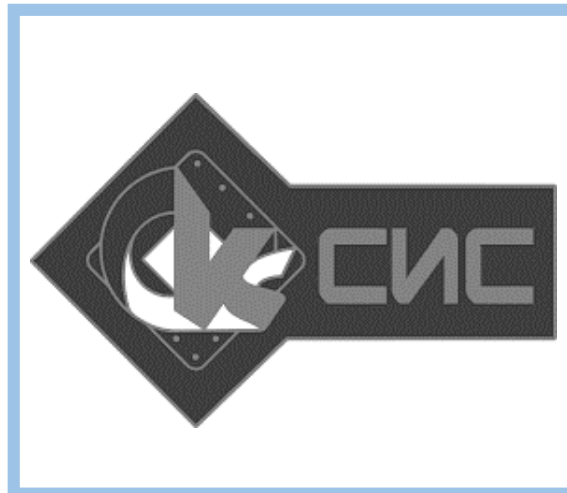


### Computer Engineering (full-time/part-time)

Design and development of hardware and software for computer systems and networks; in the field of cloud technologies; in the field of application design for solving applied problems related to data storage and processing

### Informatics and Technology of Software Development (full-time/part-time)

Information systems software design; development of a cycle for creating a business model for implementing an entrepreneurial initiative, organizing staff training, processing big data



### Software Engineering (full-time/part-time)

Creation of software, conducting research in the field of information services.

Development of scientific research projects in the field of information technologies, in the field of software and information systems, big data processing systems, intelligent systems

## FACULTY OF INFORMATION TECHNOLOGIES AND CONTROL



### Artificial Intelligence (full-time/part-time)

Artificial (computer) intelligence is the most promising direction in the development of informatics and computing technologies. Master's degree students study theoretical problems of computer science, innovative technologies for the design of intelligent systems, semantic technologies in artificial intelligence, and much more.

Graduates work in IT companies, residents of the Belarus Hi-Tech Park: EPAM Systems, Itransition, Gamestream, IBA IT-park, TechArtGroup, Qulix Systems, etc.

### System Analysis, Management and Information Processing (full- time/part-time)

Creation of mathematical models of information flows in conditions of lack of information, analysis of complex cause-and-effect relationships when making decisions based on non-classical logics, optimal control. The programme includes three specializations: Information management systems; Computer game technologies; System analysis and control in engineering systems



## FACULTY OF RADIOENGINEERING AND ELECTRONICS

### Nanotechnology and Nanomaterials (full-time)

Scientific research and experimental works are carried out aimed at creating new nanotechnologies, manufacturing and determining the properties of new nanomaterials and nanostructures



### Micro- and Nanoelectronics (full-time/part-time)

Capabilities of Master's degree students of this programme include: scientific research and experimental works aimed at creating new devices for micro- and nanoelectronics; designing and mastering the production of electronic products

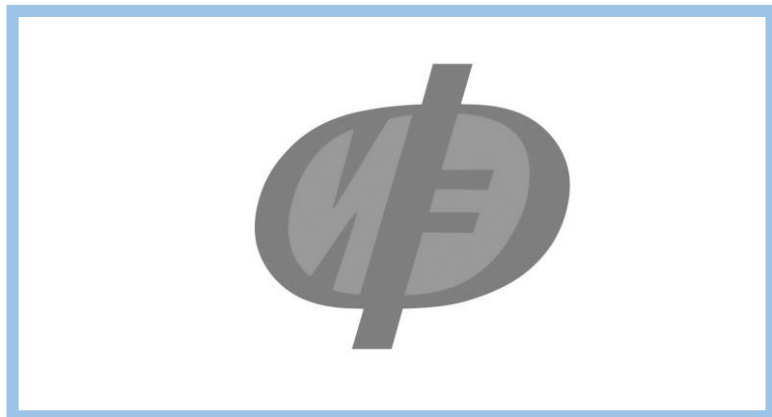
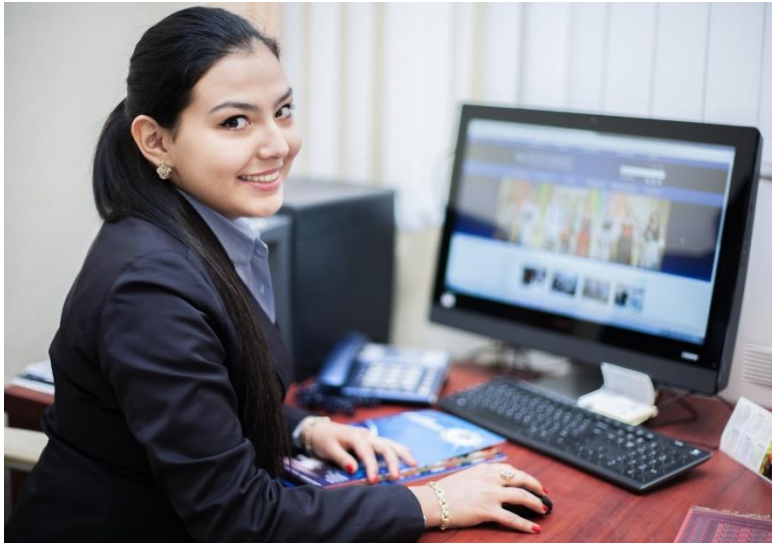


### Radio Systems and Radio Technologies (full-time/part-time)

Research of the means for formation, transmission, processing, extraction of information.

Design and development of signal processing equipment

## FACULTY OF ENGINEERING AND ECONOMICS



### Digital Economics (full-time/part-time)

The main goal of the programme is to train competent specialists with creative thinking, the ability to create and explore models of complex processes and tasks, generate ideas for system solutions, design and implement their software support based on the application of methods and models of the digital economy, integration, business processes engineering and re-engineering and the highest professionalism in the application of IT technologies and programming



Master's degree students study 3 modules: "Advanced technologies and means of supporting solutions of digital economy problems", "Innovative methods and models of data and project management", "Computer systems for ensuring solutions of complex problems"

## FACULTY OF INFOCOMMUNICATIONS



### Information Security (full-time/part-time)

Management in information security systems (management in the field of information security and management of information security units).

Security of corporate information systems (ensuring the confidentiality of information transmitted in open networks), security of web technologies, security of the objects of informatization.

Special tests of computer equipment for the presence of embedded devices



### Infocommunication Systems and Networks (full-time/part-time)

The programme is aimed at deepening knowledge in infocommunication technologies: (network technologies, protection of infocommunication networks, built-in signal processing and control systems, network programming)

## Choose your programme

Information on the programmes can be found on [bsuir.by](http://bsuir.by)



## Pass an interview

The interview is held based on the subject area of the programme in the language of further studying: Russian or English



## Prepare the documents

- Diploma of higher education and diploma supplement, stating all studied subjects and corresponding marks (in originals)
- Medical certificate
- HIV test certificate
- Copy of birth certificate
- 10 photos, 3x4 cm
- Certificate of Equivalence of the Bachelor degree to the respective degrees in the Belarusian system of higher education

The documents shall be provided with a legalized translation into Russian.



## Inform us of the date of arrival

Inform us on the date of arrival for student dormitory accommodation:  
+375172938974  
[csd@bsuir.by](mailto:csd@bsuir.by)



## Sign a contract

Sign a contract for studying  
Pay tuition fee  
Register the documents in the Minsk Migration and Citizenship Body  
Apply for Master's degree studies



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[bsuir.by](http://bsuir.by)



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