



**BELARUSIAN STATE
UNIVERSITY OF INFORMATICS
AND RADIOELECTRONICS**



2024

**HANDBOOK
FOR APPLICANTS**



LIVING THE DREAMS

Dear friends,

Belarusian State University of Informatics and Radioelectronics is one of the leading universities with more than half a century of history.

Since 1964 the university has been preparing sought-after engineers and scientists fulfilling their potential and ambition in various fields of economics.

I am so proud of being a BSUIR alumnus myself.

Today BSUIR is a modern research and education center with innovative technologies for practice-oriented education.

Not only Belarusian school leavers but also foreign applicants from more than 40 countries opt for studies at BSUIR.

Welcome to BSUIR!



Sincerely,
Vadim Bogush

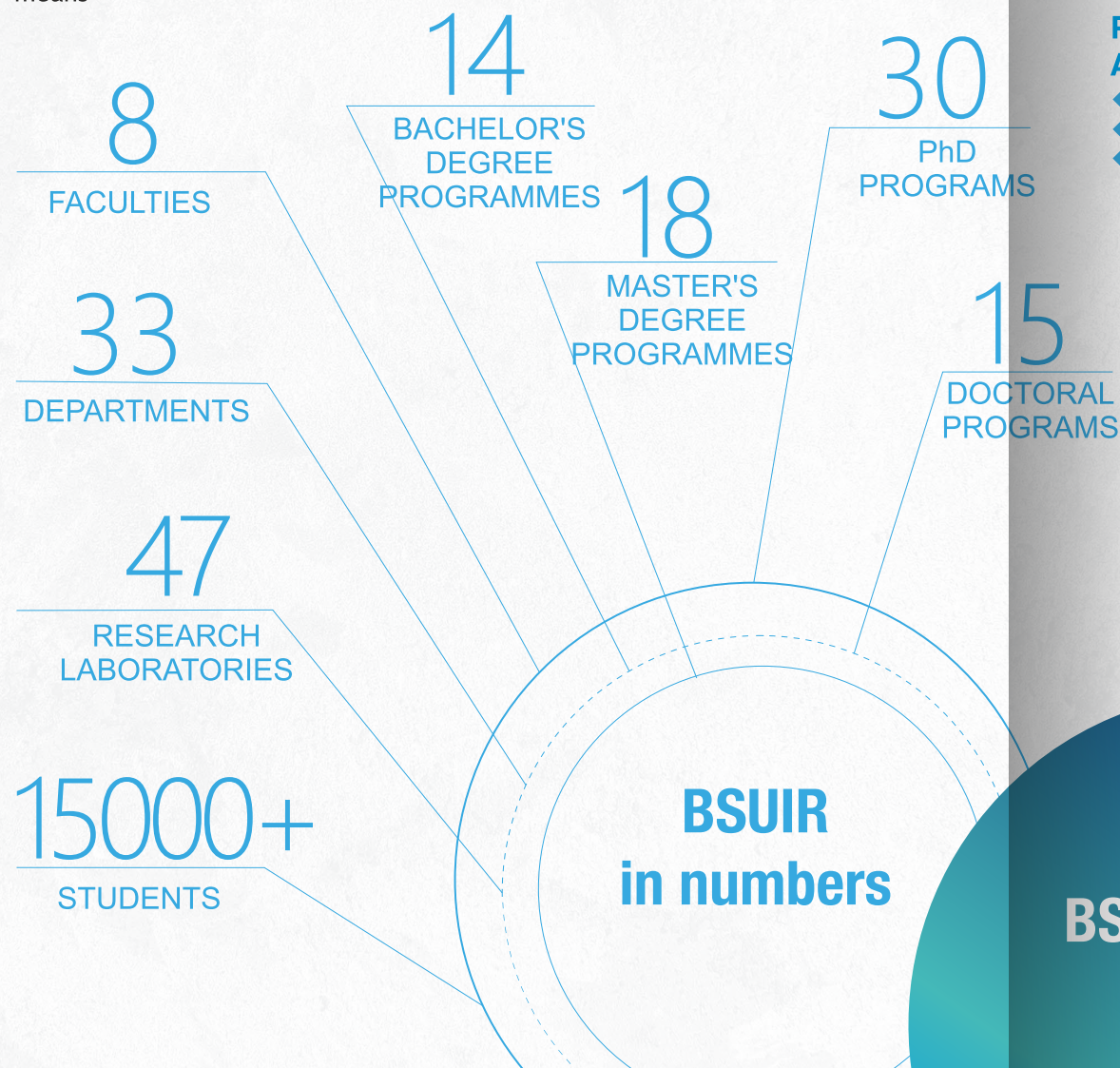
Rector, professor, Dsc Physics and Mathematics

BSUIR TODAY

Large research education and technology hub of the Republic of Belarus

Regional leader in the training of specialists in the field of radio electronics and information technology

Leading organization in the Republic of Belarus for research of problems of protection against unintentional interference and ensuring of electromagnetic compatibility of radioelectronic means



BSUIR INTERNATIONAL COOPERATION

- 250+ agreements on cooperation in the field of education
- Students from 40+ countries
- Trainings and practical trainings abroad

WITHIN THE FRAMEWORK OF AGREEMENTS WITH FOREIGN EDUCATIONAL INSTITUTIONS AND SCIENTIFIC ORGANIZATIONS.

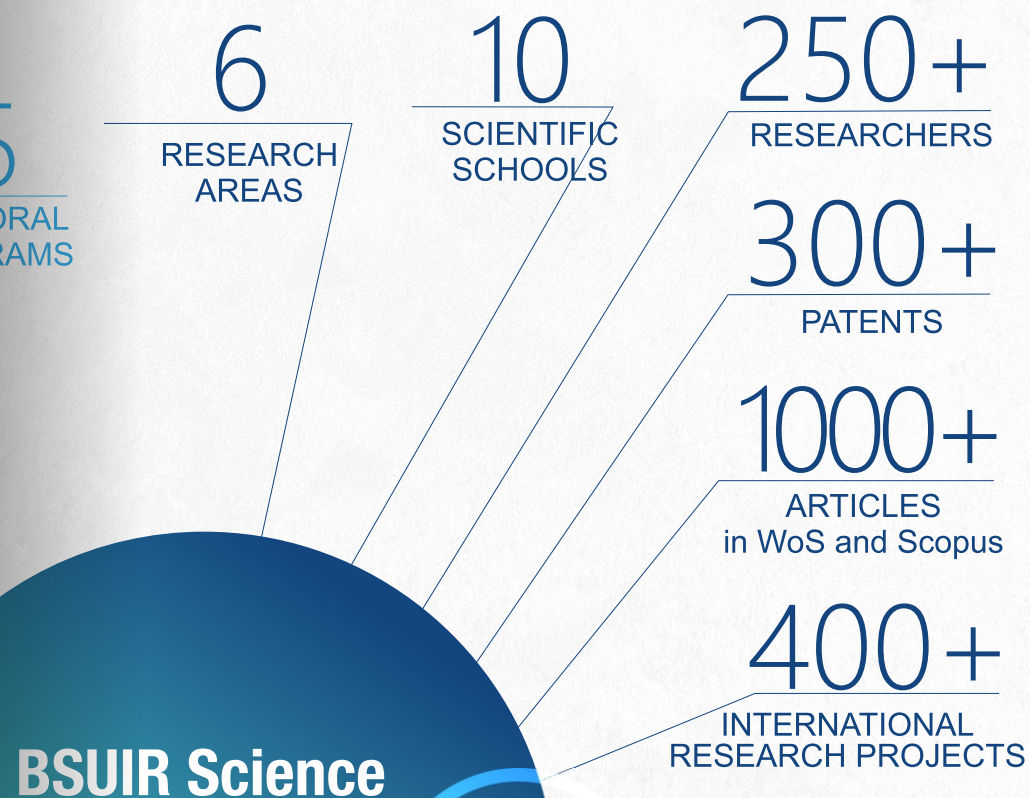
THE WORK IS BEING CARRIED OUT: JOINT EXECUTION OF PROJECTS, PREPARATION OF PUBLICATIONS, PARTICIPATION IN CONFERENCES; SUMMER SCHOOLS, INTERNSHIPS, INCLUSIVE EDUCATION FOR STUDENTS AND MAJORS; LANGUAGE COURSES, TRAINING FOR PROFESSIONALS, TRAINING OF STUDENTS AND MASTER TRAINING OF PROFESSIONALS AND SCIENTISTS OF THE HIGHEST QUALIFICATION.

PRACTICE-ORIENTED EDUCATION AT BSUIR

- 10 educational centers of the world's leading companies
- 45 joint research and production laboratories
- 9 branches of the departments at the enterprises of the Republic of Belarus

BSUIR IN INTERNATIONAL RANKINGS

- UniRank
- QS World University Rankings
- SCImago Institutions Rankings
- MosIUR The Three University Missions
- Global aggregated rating
- Worldwide Professional University Rankings RankPro



BACHELOR'S DEGREE PROGRAMMES

Full-time programmes – 4 years,
Part-time/distance learning – 5 years

PROGRAMME FIELD OF STUDY	STUDY IN RUSSIAN			STUDY IN ENGLISH			QUALIFICATION
	FULL- TIME	PART- TIME	DIS- TANCE	FULL- TIME	PART- TIME	DIS- TANCE	
FACULTY OF COMPUTER-AIDED DESIGN							
Electronic Systems and Technologies. Modeling and Computer-Aided Design of Radioelectronic Devices	+						Engineer
Electronic Systems and Technologies. Design and Manufacture of Software- Controlled Electronic Devices	+						Engineer
Electronic Systems and Technologies. Software-Controlled Digital Optical Systems	+						Engineer
Electronic Systems and Technologies. Medical Electronics	+						Engineer
Electronic Systems and Technologies. Electronic Security Systems	+						Engineer
Computer Engineering. Programmable Mobile Systems	+					+	Systems Engineer
Software Engineering. Engineering-Psychological Maintenance of Information Technologies	+						Software Engineer
Information Systems and Technologies. Information Systems and Technology in Industrial Safety	+			+		+	Software Engineer
Information Systems and Technologies. Information Systems and Technologies in Business Management	+		+			+	Software Engineer

Full-time study (in English) tuition fee per year – 5000 USD
Full-time study (in Russian) tuition fee per year – 3100 USD
Distance study (in English) tuition fee per year – 2700 USD
Distance study (in Russian) tuition fee per year – 2000 USD

PROGRAMME FIELD OF STUDY	STUDY IN RUSSIAN			STUDY IN ENGLISH			QUALIFICATION
	FULL- TIME	PART- TIME	DIS- TANCE	FULL- TIME	PART- TIME	DIS- TANCE	
FACULTY OF INFORMATION TECHNOLOGIES AND CONTROL							
Information Systems and Technologies. Information Systems and Technologies in Game Industry	+						Software Engineer
Artificial Intelligence	+						Systems Engineer
Electronic Systems and Technologies. Industrial Electronics	+						Engineer
Information Management Systems. Automated Data Processing Systems	+		+	+			Engineer
Cyberphysical Systems	+						Engineer

Full-time study (in English) tuition fee per year – 5000 USD
Full-time study (in Russian) tuition fee per year – 3300 USD
Distance study (in Russian) tuition fee per year – 2000 USD

FACULTY OF COMPUTER SYSTEMS AND NETWORKS							
Computer Engineering. Computers, Systems and Networks	+	+					Systems Engineer
Computer Engineering. Embedded Systems	+						Systems Engineer
Software Engineering. Information Technology Software	+		+				Software Engineer
Computer Science and Software Technology	+		+				Software Engineer

Full-time study (in Russian) tuition fee per year – 3300 USD
Part-time study (in Russian) tuition fee per year – 2000 USD
Distance study (in Russian) tuition fee per year – 1900 USD

PROGRAMME FIELD OF STUDY	STUDY IN RUSSIAN			STUDY IN ENGLISH			QUALIFICATION
	FULL- TIME	PART- TIME	DIS- TANCE	FULL- TIME	PART- TIME	DIS- TANCE	
FACULTY OF RADIOENGINEERING AND ELECTRONICS							
Radio Systems and Radio Technology. Radio Engineering and Programmable Radioelectronic Devices	+						Radio Engineer
Radio Systems and Radio Technology. Radioelectronic Systems	+						Radio Engineer
Radio Systems and Radio Technology. Radioelectronic Data Protection	+						Radio Engineer
Radio Systems and Radio Technology. Radioinformatics	+						Radio Engineer
Micro- and Nanoelectronics*	+						Engineer
Information and Control Systems for Physical Installations*	+						Engineer
Nanotechnology and Nanomaterials	+						Engineer

Full-time study (in Russian) tuition fee per year – 3100 USD

*integrated training (Bachelor's + Master's degree), period of study 5,5-6 years

FACULTY OF ENGINEERING AND ECONOMICS							
Digital Economics. Economics of Electronic Business	+		+				Programmer Economist
Information Systems and Technologies. Information Systems and Technologies in Economics	+						Software Engineer
Information Systems and Technologies. Information Systems and Technologies in Logistics	+						Software Engineer
Information Systems and Technologies. Information Systems and Technologies in Finance and Banking	+						Software Engineer
Digital Marketing	+						Software Engineer

Full-time study (in Russian) tuition fee per year – 3100 USD

Distance study (in Russian) tuition fee per year – 2000 USD

PROGRAMME FIELD OF STUDY	STUDY IN RUSSIAN			STUDY IN ENGLISH			QUALIFICATION
	FULL- TIME	PART- TIME	DIS- TANCE	FULL- TIME	PART- TIME	DIS- TANCE	
FACULTY OF INFORMATION SECURITY							
Information Security. Information Security in Telecommunications	+			+			Engineer
Infocommunication Systems and Networks. Software and Hardware of Infocommunication Systems	+						Engineer
Infocommunication Systems and Networks. Television and Multimedia Systems	+						Engineer
Infocommunication Systems and Networks. Multimodal Data Processing and Analysis Technologies	+						Engineer
Infocommunication Systems and Networks. Infocommunications Software	+	+		+			Engineer
Infocommunication Systems and Networks. Metrology, Standardization and Certification in Infocommunications	+						Engineer

Full-time study (in English) tuition fee per year – 5000 USD

Full-time study (in Russian) tuition fee per year – 3100 USD

Part-time (in Russian) tuition fee per year – 1900 USD

MASTER'S DEGREE PROGRAMMES

Duration of training: **full-time form – 2 years, part-time form – 2,5 years**

PROGRAMME	FIELD OF STUDY	STUDY IN RUSSIAN		STUDY IN ENGLISH	
		FULL-TIME	PART-TIME	FULL-TIME	PART-TIME
FACULTY OF INFORMATION TECHNOLOGIES AND CONTROL					
Information Management Systems			+	+	
Artificial Intelligence		+			
FACULTY OF COMPUTER-AIDED DESIGN					
Electronics Systems and Technologies	Integrated Manufacturing of Electronic Systems				
	Medical Electronic Systems	+	+		
	Computer Technology for the Design of Electronic Systems				
Engineering Geometry and Computer Graphics		+			
Information Systems and Technologies	Digitalization in the Psychology of Human Resource Management		+		
FACULTY OF RADIOENGINEERING AND ELECTRONICS					
Radio Systems and Radio Technologies	Radio Engineering, including Radio Navigation, Radiolocation and Television Systems and Devices Information Radio Technologies	+	+		
Micro- and Nanoelectronics		+	+		
Nanotechnology and Nano-materials		+			
FACULTY OF INFORMATION SECURITY					
Information Security	Information Security in Infocommunication Systems		+		
	Methods and Means of Information Protection in Infocommunication			+	
Infocommunication Systems and Networks	Information and Communication Technology		+	+	
FACULTY OF COMPUTER SYSTEMS AND NETWORKS					
Computer Engineering	Data Storage and Processing Embedded Systems	+	+		
Software Engineering		+			
Computer Science and Software Technology	Big Data Processing		+	+	+

MASTER'S DEGREE PROGRAMMES

PROGRAMME	FIELD OF STUDY	STUDY IN RUSSIAN		STUDY IN ENGLISH	
		FULL-TIME	PART-TIME	FULL-TIME	PART-TIME
FACULTY OF ENGINEERING AND ECONOMICS					
Digital Economics	Electronic Business Management	+	+	+	+
Business Analytics and Digital Marketing		+	+		
Management*	Digital Management	+	+	+	+

Full-time study (in Russian) tuition fee per year: 3350 USD
 Full-time study (in English) tuition fee per year: 4350 USD
 Part-time study (in Russian) tuition fee per year: 2200 USD
 Part-time study (in English) tuition fee per year: 3500 USD

* 1 year programme



POSTGRADUATE (PHD) SPECIALITIES

Duration of Study: **full-time – 3 years, part-time – 4 years, co-research – 5 years.**

PROGRAMME		STUDY IN RUSSIAN	STUDY IN ENGLISH
PHYSICS AND MATHEMATICS RELATED			
01.04.03	Radiophysics	+	
01.04.04	Physical Electronics	+	
01.04.05	Optics	+	
01.04.07	Condensed Matter Physics	+	
05.16.08	Nanotechnology and Nanomaterials (by field)	+	
ENGINEERING RELATED			
05.09.05	Theoretical Electrical Engineering	+	
05.11.08	Radio-Measuring Devices	+	
05.11.15	Metrology and Metrological Assurance	+	
05.11.17	Medical Devices, Systems and Products	+	
05.12.04	Radioengineering, including Television Systems and Devices	+	
05.12.07	Antennas, Microwave Devices and Technologies	+	
05.12.13	Telecommunication Systems, Networks and Devices	+	+
05.12.14	Radio Location and Radio Navigation	+	
05.13.01	System Analysis, Information Control and Processing	+	+
05.13.05	Components and Devices of Computers and Control Systems	+	+
05.13.06	Automation and Control of Technological Processes and Production	+	
05.13.11	Software for Computers, Computer Complexes and Networks	+	
05.13.12	Computer-Aided Design Systems	+	
05.13.15	Computers, Computers Complexes and Networks	+	+

POSTGRADUATE (PHD) SPECIALITIES

PROGRAMME		STUDY IN RUSSIAN	STUDY IN ENGLISH
05.13.17	Theoretical Foundations of Informatics	+	+
05.13.18	Mathematical Modeling, Numerical Methods and Programme Complexes	+	+
05.13.19	Methods and Systems of Informatics Protection, Information Security	+	
05.16.08	Nanotechnology and Nanomaterials (by field)	+	
05.26.01	Labour Protection (by field)	+	
05.26.02	Safety in Emergency Situations (by field)	+	
05.27.01	Solid-State Electronics, Radioelectronic Components, Micro- and Nanoelectronics, Quantum Effect Devices	+	+
05.27.06	Technology and Equipment for Production of Semiconductors, Materials and Electronic Devices	+	+
19.00.03	Labour Psychology, Engineering Psychology, Ergonomics	+	
05.13.10	Management in Social and Economic Systems	+	
ECONOMICS RELATED			
08.00.05	Economics and Management of National Economy (by field)	+	
08.00.13	Mathematical and Instrumental Methods in Economics	+	+

Full-time in Russian/in English: 5000 USD
Part-time in Russian/in English: 4000 USD

DOCTORAL PROGRAMMES

Studying is provided in two branches of science

(technical/physical and mathematical)

15 specialties

Duration of study 3 years



Institute of Information Technologies BSUIR



IIT BSUIR implements programmes of additional adult education in the field of informatics and radioelectronics with the use of modern educational and information technologies.



www.iit.bsuir.by



t.me/iitbsuir



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FACULTY OF PROFESSIONAL DEVELOPMENT AND RETRAINING

RETRAINING

Retraining specialties:

- ◀ Information Systems Software ("Software Engineer");
- ◀ Web-design ("Programmer-Web Designer");
- ◀ Software Testing ("Testing Specialist");
- ◀ Electronic Business ("Business Analyst-Software Engineer");
- ◀ Personal Data Protection ("Data Security Officer").

Duration of study:

- ◀ full-time (evening): 17 to 19 months;
- ◀ part-time: from 20 to 24 months.

PROFESSIONAL DEVELOPMENT

Areas of professional development:

- ◀ PC application in professional activity;
- ◀ Computer Graphics;
- ◀ Web-technologies;
- ◀ Programming;
- ◀ Computer Networks;
- ◀ Databases;
- ◀ Radio Engineering, Electronics, Micro- and Nanoelectronics;
- ◀ Automation of Technological Processes;
- ◀ Information Technologies in Business.

INTERNSHIPS FIELDS OF EDUCATION

- ◀ Information and Communication Technology;
- ◀ Engineering;
- ◀ Business and Management;

Duration of full-time study up to 5 months

It is possible to organise training in the distance form of education

Partner organisations:





Minsk Radioengineering College



Leading educational institution implementing educational programmes of secondary special education at the republican level in the specialties of education directions "Information and Communication Technologies", "Engineering, Instrumentation and Electronics)".



www.mrk-bsuir.by



t.me/mrkchannelofficial



[@mrk_bsuir.by](https://www.instagram.com/mrk_bsuir.by)

ABOUT FILIAL

Common Basic Education

Learning language – **Russian**

FULL-TIME FORM

3 years 10 months

- ◀ Programming of Mobile Devices (qualification – Technician-Programmer);
- ◀ Technical Support of Information Security (qualification – Information Security Technician);
- ◀ Development and Maintenance of Information Systems Software (qualification – Software Technician);
- ◀ Production of Electronic Devices (qualification – Technician-Technologist);
- ◀ Technical Operation of Electronic Devices (qualification – Technician);
- ◀ Technical operation of computer equipment (qualification - electronic technician);
- ◀ Manufacture of Micro- and Nano-electronics Products (qualification – Technician-Technologist).

Partner organisations:



General secondary education

Learning language – **Russian**

FULL-TIME FORM

2 years 10 months

- ◀ Development and Maintenance of Information Systems Software (qualification – Software Technician).

DISTANCE FORM

2 years 10 months

- ◀ Development and Maintenance of Information Systems Software (qualification – Software Technician).

ADDITIONAL EDUCATION (IT-COURSES)

40 academic hours

- ◀ Java Programming;
- ◀ Python Programming;
- ◀ Ruby Programming;
- ◀ Swift Programming;
- ◀ Microcontroller Programming and Prototyping;
- ◀ Developing 3D models and 3D printing.

Form of education:

Distance or full-time.

2 months – one lesson per week;

2 weeks – every day at the learner's choice.



Faculty of Information Technologies and Control



The Faculty is the same age as the university and was opened in 1964, originally it was called the Faculty of Automation and Computer Engineering.

Today, the faculty is a large educational and research center with more than 2,000 higher education students from 20 countries, including in English.



@fitu_bsuir

ABOUT FACULTY

Key Facts:

- ◀ Levels of education: general higher education when implementing the educational programme of Bachelor's degree; advanced higher education when implementing the educational programme of Master's degree.
- ◀ Modern facilities for learning and teaching.
- ◀ Graduates can work in international companies as IT specialists and managers.

Students receive serious theoretical and practical training to ensure their competitiveness in the modern labour market. During their studies, students have opportunities for practical training and internships both in Belarus and abroad. The knowledge obtained during the training allows graduates to work not only as programmers, but also to occupy managerial positions, as the training involves the study of a number of subjects that allow making competent managerial decisions.

The faculty implements joint educational programmes:

- ◀ for students-citizens of the Republic of Kazakhstan (L.N. Gumilev Eurasian National University (ENU));
- ◀ for students-citizens of of China ("Nanchang Aviation University (NAU));
- ◀ for students-citizens of Uzbekistan (Tashkent University of Information Technologies named after Muhammad Al-Khorazmii (TUIT)).

Departments:

- ◀ Computational Methods and Programming;
- ◀ Humanities;
- ◀ Intelligent Information Technologies;
- ◀ Information Technologies in Automated Systems;
- ◀ Control Systems;
- ◀ Fundamental Electrical Engineering.

The Faculty maintains partnerships with leading manufacturers of computer hardware and control systems:





Faculty of Computer Systems and Networks



Today the Faculty of Computer Systems and Networks is one of the leading faculties in the Republic of Belarus in training IT specialists. According to the results of the survey of HTP resident companies, the Faculty of Computer Systems and Networks ranks first among the faculties of higher education institutions of Belarus, whose graduates are in demand in the Hi-Tech Park.



@fksis

ABOUT FACULTY

To date, training has been provided in the following specialities:

- Software Engineering;
- Computer Engineering (specialisations "Computers, Systems and Networks" and "Embedded Systems");
- Computer Science and Programming Technologies.

The faculty consists of 7 departments, of which the graduating ones are:

- Electronic Computing Machines;
- Informatics;
- Software of Information Technologies;
- Electronic Computing Facilities;

as well as the departments of:

- Higher Mathematics;
- Physics;
- Philosophy.

Graduates of the faculty successfully work:

- Programmers;
- Business Analysts;
- System Architects;
- Project Managers;
- Software Testing Specialists both in Belarusian companies-residents of the Hi-Tech Park, state organisations, and well-known foreign companies (Microsoft, Google). The programme is aimed at the development of software testing in Belarusian companies.

The Faculty works closely with industry-leading IT companies:

- IBM;
- Microsoft;
- SAP;
- National Instruments;
- CISCO;
- NVIDIA;
- EMC;
- Texas Instruments;
- Oracle;
- Yandex;
- 1C.

The Faculty has 13 joint teaching and research laboratories set up with companies:

- IBA;
- EPAM;
- Itransition;
- EffectiveSoft;
- ScienceSoft;
- System Technologies;
- Exadel;
- NT Lab;
- MiSoft.

More than 200 lecturers work at the faculty, 14 of them are doctors, professors, about 90 candidates of sciences, associate professors.



Faculty of Computer-Aided Design



The Faculty of Computer Aided Design is one of the innovative and dynamically developing faculties of BSUIR.

Having received a classical university education as well as serious training in the field of the most modern IT-technologies, graduates of all specialties of the faculty are among the most demanded and highly paid, and the best of them occupy managerial positions both in public administration bodies and in IT-business, industry and banking system, often act as managers and organisers of production, create their own companies.



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ABOUT FACULTY

The faculty currently consists of the following departments:

- Engineering and Computer Graphics;
- Engineering Psychology and Ergonomics;
- Information and Computer-Aided Systems Design;
- Electronic Technique and Technology;
- Foreign Languages.

Students are trained with the use of modern equipment and software on the basis of educational and research and production laboratories of the Faculty and branches of the departments of the Faculty at strategically important enterprises of the Republic of Belarus:

- OJSC "INTEGRAL" - managing company of INTEGRAL Holding;
- OJSC "Planar";
- OJSC "Research and Development Research Institute of Electronic Computing"

The specialities of the faculty are closely related to each other and are oriented towards training highly qualified specialists, who in the course of their studies master the most up-to-date tools and methods of designing electronic systems, mobile systems, software-controlled systems and complexes, products of electronic-optical and medical equipment.

Partner organisations:

ИНТЕГРАЛ

ОТКРЫТОЕ АКЦИОНЕРНОЕ ОБЩЕСТВО
НИИЭВМ

К Б Т Э М
ПЛАНАР
etc.

Students get a fundamental knowledge of the basics:

- Algorithmisation and Programming;
- Business and Law in Information Technology;
- Information Security;
- Operating Systems;
- Computer Networks;
- Programming Languages (Pascal, C, C++, C#, Java, Prolog, Ruby, Python, HTML, XML, SQL, UML, etc.);
- Programming of Network Applications;
- Databases;
- System Analysis and Management.

Exploring:

- Visual Software Application Development Tools;
- Tools and Technologies for Analysing and Developing Information Systems;
- Distributed Information Systems;
- Web-design and Design Templates;
- Economic and Mathematical Methods and Models;
- Business Analysis;
- Econometrics.



Faculty of Radioengineering and Electronics



The faculty was founded as a radio engineering faculty in 1964 (the year of MREI foundation) and its development path is inseparably connected with the 60-year history of MREI - BSUIR.

Modern radio information system in the understanding of a specialist is designed for extraction, formation, reception, transmission and processing of information. To solve these tasks, specialists are needed, comprehensively trained to work with modern micro- and nanoelectronic devices, capable of applying their knowledge and talent to create fundamentally new generations of information systems.



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ABOUT FACULTY

At present it is a powerful educational and scientific-engineering centre, uniting in its structure 900 students, who are trained by 13 doctors of sciences, professors, 45 candidates of sciences, associate professors.

The faculty trains in the following specialities:

- Radiosystems and radiotechnologies (profiles "Radio engineering and programmable radio-electronic means", "Radio-electronic information protection", "Radio-electronic systems", "Radioinformatics");
- Engineering and pedagogical activity;
- Micro- and nanoelectronics (profiles "Quantum information systems", "Micro- and nanoelectronic technologies and systems");
- Nanotechnology and nanomaterials;
- Information and control systems of physical installations, covering practically all areas of training of the new generation of specialists.

Graduates of the faculty work practically in all information-intensive fields of science and technology, both in Belarus and abroad. These are microelectronics and nanoelectronics, radio engineering, mobile and satellite communication systems, computer technologies and banking. Today many of them are leading companies and in these fields.

The faculty combines fundamental training in mathematics, physics, chemistry, programming with in-depth study of the basics of modern radio engineering and electronics, micro- and nanoelectronics, computer methods of information processing and design of the most complex devices and systems. In laboratories, equipped with modern equipment and computer facilities, students learn the basics and subtleties of developing micro- and nano-electronic systems, modern radio receiving and transmitting devices, various methods and techniques of processing analogue and digital coded signals, gain experience in local and global networks, including the Internet. At the end of the university graduates receive a diploma of higher education and qualification of an engineer depending on the chosen speciality.

A distinctive feature of a graduate of the Faculty of Radio Engineering and Electronics is his mastering not only the methods of creating radio information systems (design on the basis of modern technologies), but also the ability to manage, operate and adjust such class of systems.



Faculty of Information Security



The Faculty of Information Security is a wonderful opportunity for those who are eager to get experience in modern electronics and computer science, to master modern information technologies in infocommunications and become a highly sought-after professional.

Faculty students take a deep insight into mathematical and physical bases of infocommunication technologies, and develop their skills of designing, programming and implementing innovative technologies. The expertise gained during studies helps graduates to quickly adapt to the requirements of the up-to-date telecommunication field.



@fis_bsuir

ABOUT FACULTY

The present stage of development of info-communication and information systems and their wide use in everyday life requires the development and improvement of methods and means of info-communication and information systems, their widespread use in everyday life requires the development and improvement of methods and means of ensuring information security, including cyber security. Graduates of the faculty thoroughly know and master the issues of building protected infocommunication systems and information protection systems in information systems, have the knowledge and skills to withstand new threats to information security associated with the broad digitalisation of modern society.

The faculty carries out research work in 11 directions:

- Information Transmission and Processing Systems;
- Modeling and Optimization Methods in Radio-Electronic Systems and Devices;
- Radio Engineering Devices and Systems;
- Certification, Diagnostics and Testing of Elements, Devices and Systems;
- New Information Technologies and Control Systems, etc.

The received profound knowledge in the field of professional activity, as well as the skills of development, implementation and use of new technologies, make the graduates of the faculty competitive in modern market conditions and allow them to adapt faster to the solution of priority scientific and technical tasks facing the industry of info-communications.

Already from the first year students have the opportunity to engage in research work at a modern level. For the students of the Faculty of Infocommunications joint educational, research and production laboratories with the mobile operator Mobile TeleSystems JLLC, leading vendors of equipment and solutions in the field of telecommunications, D-link, as well as Cisco® Network Academy.

Along with the study of social-humanities and general education disciplines, students of the faculty study such general professional disciplines as:

- Telecommunication Theory;
- Coding Theory;
- Digital Microprocessor Devices and others;
- and then, depending on the chosen profile, special disciplines:
- Teletraffic Theory;
- Cryptographic Protection of Information;
- Mobile Communication Systems and Radio Definition;
- Socio-Psychological Aspects of Information Security;
- Licensing of Activities in the field of Information Protection;
- Protection of Information Networks;
- Blockchain Networks;
- Network and System Administration;
- Network Security;
- Infocommunication Network Security;
- Security of Info-Communication Services.



Faculty of Engineering and Economics



This Faculty is a unique faculty in Belarus: it provides its students with integrated knowledge in the fields of economics and modern information technologies, and this creates a distinguished feature of the Faculty graduates among graduates of economic faculties of other Higher Educational Institutions.

The Faculty is proud of one of its graduates, Dmitry Shedko, Deputy Minister of Information of the Republic of Belarus.



@ief_bsuir

ABOUT FACULTY

The training of specialists of general higher education is carried out in specialties demanded in the sphere of economy:

- Information Systems and Technologies (qualification – Software Engineer)
 - Information Systems and Technologies in Economics;
 - Information Systems and Technologies in Logistics;
 - Information Systems and Technologies in Finance and Banking;
- Electronic Economics (qualification – Programmer, Economist);
 - Economics of Electronic Business (qualification – Economist-Programmer);
- Digital Marketing (qualification – Programmer, Marketing Specialist);

Training of specialists of advanced higher education is carried out in the following specialties:

- Electronic Economics
Master's degree. Forms of education: full-time, part-time – 2 years. Languages: Russian, English;
- Management (Digital Management)
Master's degree. Forms of education: full-time, part-time – 1 year. Languages: Russian, English;
- Business Analytics and Digital Marketing
Master's degree. Forms of education: full-time, part-time – 2 years. Language: Russian.

The students of the faculty are mastering the following technologies:

- Advanced Programming Languages and Technologies C, C++, Java, C#, PHP, Python, JavaScript;
- Business Process Modelling Standards (BPMN, UML, EPC, IDEF);
- Database Management Systems, Machine Learning Algorithms and Neural Networks;
- Technologies of Design and Development of Modern Application Architectures based on Java EE platform;
- Visualisation of Structured Data in Client Web Applications (HTML, CSS, JSON, XML/XLS);
- Technologies of Mobile Applications Development for Android and iOS platforms;
- UX/UI Design Methods and Tools;
- DevOps Elements;
- Complex Automation and Business Management Systems (ERP, CRM, 1C, SAP, etc.).

This gives them significant competitive advantages in employment compared to graduates of other economic universities and faculties. They are employed as developers in IT companies, IT departments of commercial banks and large corporations, in marketing, e-commerce, fintech, transport and logistics services.

The faculty has long experience of cooperation with such companies as iTechArt Group, IBA IT Park, Qulix Systems, Alfa Bank, Belgazprombank, MTBank, AGAT-SYSTEM, Belarusian Railway, Unitsky String Technologies, Atlantconsultsoft, Webernetic, Beltamozhservice, Nextsoft, Beltelecom, etc.



Faculty of Pre-University Preparation and Occupational Guidance



The Faculty was founded in April 1970 in order to provide Foundation Year courses for the prospective University students. Nowadays, the Faculty offers two programmes: preparatory courses for Belarusian applicants (part-time or evening training in Russian) and Foundation Year courses for foreigners (full-time or distance training in Russian or English). Apart from that, the Faculty provides Russian and English-medium course for foreigners, who intend to apply for medical studies.

Besides, the Faculty staff teaches the Belarusian Professional Language course to Belarusian students and a course of Russian as a Foreign Language to foreign students.



ABOUT FACULTY

UNDERGRADUATE FOUNDATION PROGRAMMES

- ◀ groups of up to 12 people;
- ◀ excursions, museum and theater visits are organized as part of the curriculum;
- ◀ programmes are taught in both Russian and English.

TRAINING PROGRAMMES

- ◀ **Technical and technological profile** (studied academic disciplines: Russian as a foreign language, mathematics, physics, computer science, introduction to intercultural communication)
- ◀ **Chemical and Biological profile** (studied academic disciplines: Russian as a foreign language, chemistry, biology, introduction to intercultural communications)

Preparatory Department for the countries of Armenia, Azerbaijan, Kazakhstan, Kyrgyzstan, Moldova, Russian Federation, Tajikistan, Turkmenistan, Uzbekistan, Ukraine – 2000 USD, for other countries – 2300 USD

Training in Russian language for citizens of the Russian Federation – 172 540 RUB

Training in English language – 3100 USD

Training in English language for citizens of the Russian Federation – 267 437 RUB

RUSSIAN LANGUAGE COURSES

- ◀ Russian as a foreign language
- ◀ Recruitment of students is year-round
- ◀ Duration of training – up to 9 months / 400 academic hours

Russian language course fees (9 months) – 1200 USD

Russian language course fees (400 academic hours) – 400 USD

BSUIR also carries out the development of new educational programs at the request of the customer.

Forms of study: **full-time, distance learning.**

BSUIR is an innovative university

BSUIR students have the opportunity to receive funding for the realization/implementation of their own research projects by taking part in the following competitions for grants of SCST, BRFFI and the Ministry of Education of the Republic of Belarus.

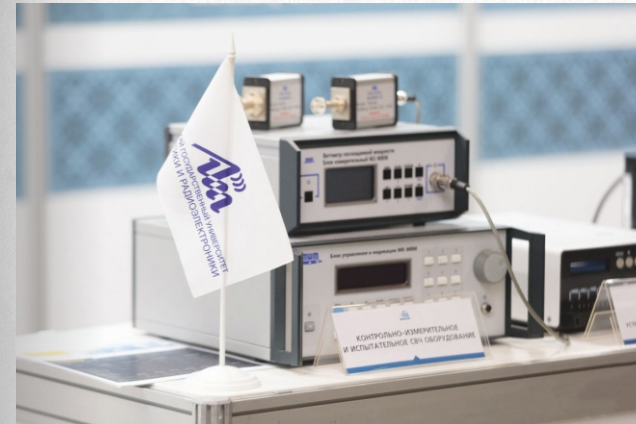
Internships are organized annually for young researchers at leading universities in Russia, China, Hungary, Singapore and other countries. International conferences are organized in the field of Telecommunications, Medical Electronics, Artificial Intelligence, Information Security (e.g., conferences "OSTIS", "Big Data and Advanced Analytics", "MEDELECTRONICS", "Technical Means of Information Protection", etc.).

BSUIR scientists are the authors of original methods and technologies in the leading areas of industry and IT-sector development, which are recognized by the scientific community and implemented in production.

Technologies and equipment that are in demand in the Belarusian market and are actively exported abroad:

- ◀ control equipment;
- ◀ technologies and hardware and software complexes for ensuring electromagnetic compatibility of radioelectronic equipment;
- ◀ speech information security devices;
- ◀ ultrasonic technology and equipment;
- ◀ technologies for creating new functional materials;
- ◀ vibration diagnostic systems and complexes.

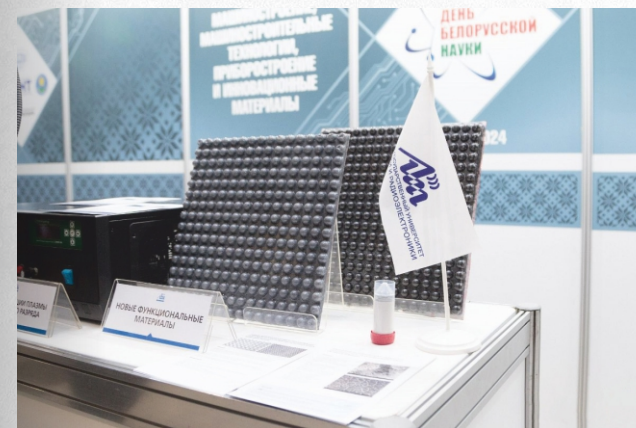
The University opens the path to science for all who wish to enter and offers a path of freedom in scientific creativity.



Design and manufacture of microwave test and measurement equipment in the frequency range 0.01...220 GHz



Ultrasonic technology and equipment



New functional materials

HOW TO APPLY TO BSUIR



1

Fill in an online application form on the website: www.bsuir.by or contact us via e-mail: csd@bsuir.by, international@bsuir.by



2

Apply for an invitation and study visa (if needed)



3

Inform the International Client Support Department on the date and time of your arrival for student dormitory accommodation via: csd@bsuir.by, +375172938974, +375172932333



4

Check in to a student dormitory or rent a flat



5

Choose the program and submit the documents for admission to the Center for Promotion of Educational Services



6

Pass the placement interview

EXTRA FEES:

- ◀ Housing (appr.— 50 USD a month)
- ◀ Medical check-up (appr.— 65 USD a year)
- ◀ Annual Health insurance — 170 EUR
- ◀ Get registered in the Migration Office (appr.— 60 USD per year)
- ◀ Monthly costs of staying in Belarus — appr. 300 USD a month
- ◀ Housing rent (1 room) appr. 200–300 USD a month



7

Conclude the training agreement
Pay the tuition fee and rent (if you live in a student dormitory)

APPLICATION INFORMATION

Required Documents / Language of study	Foundation year	Bachelor's degree		Master's degree		Postgraduate (PhD)
		Russian	English	Russian	English	
Application form	+	+	+	+	+	+
Valid passport with the visa (if needed)	+	+	+	+	+	+
Passport with notarized translation into Russian	+	+	+	+	+	+
Birth Certificate (notarized translation into Russian)	+	+	+	+	+	+
Original educational documents (high school transcript, subjects and marks given)	+	+	+	+	+	+
Notarized translation into Russian of Educational documents	+	+	+	+	+	+
Educational documents legalized in the country of issue and recognized in Belarus				+	+	+
Health Certificate	+	+	+	+	+	+
Negative HIV–test certificate	+	+	+	+	+	+
Certificate of completion of the Russian language course		+		+		+
10 photos 3x4	+	+	+	+	+	+

ENTRANCE EXAMINATIONS

Undergo an admission interview in the language of study: either English or Russian. **IELTS** and **TOEFL** certificates are not mandatory.

TRANSFER FROM UNIVERSITIES OF FOREIGN COUNTRIES

International students may be reinstated to the number of BSUIR students to continue their studies after successful completion of the first year of study at a foreign university by September 1. The student submits an academic transcript – a document that confirms that the student has successfully completed a certain number of courses, indicating the grades in academic disciplines and subjects, number of hours at a university, institute or academy (with a translation into Russian, certified by a translation bureau), an application for reinstatement indicating course, specialty and faculty of BSUIR.

BSUIR Campus



BSUIR CAMPUS LIFE



The University campus is located in the center of Minsk:

- 8 educational buildings;
- 5 comfortable student dormitories can accommodate up to 3839 students;
- double and triple rooms, well-equipped kitchens (without dishes), launderettes;
- Wi-Fi, multipurpose gyms.

CATERING



- confectionery;
- 4 canteens;
- 4 snack-bars;
- 6 coffee shops;
- 660 seats in campus buildings;
- 3 canteens in the student dormitories;
- student café "Suzorie".



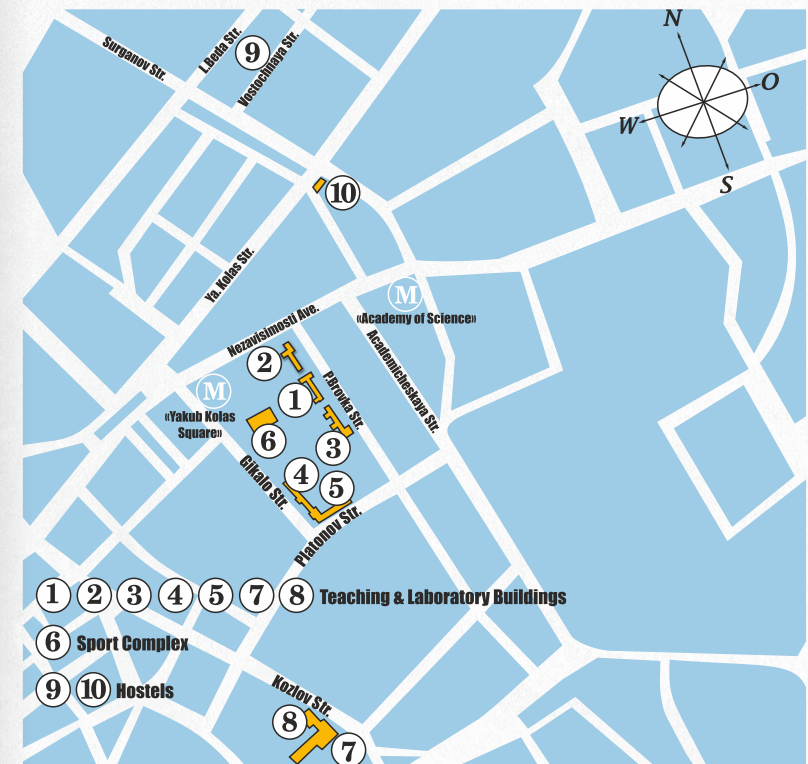
SPORT FACILITIES

- 2 basketball courts, wrestling gym;
- well-equipped gym halls for rhythmic gymnastics and aerobics;
- a swimming pool 25 meters with 5 lanes;
- a football pitch and athletic tracks with artificial turf;
- a recreation center "Braslav Lakes" (36,14 km²).



LIBRARY OPERATES

- 6 reference reading rooms for 435 students;
- 3 e-rooms equipped with 75 personal computers;
- 275 seats available with free Wi-Fi for work and study.



NOTES





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