



BELARUSIAN STATE UNIVERSITY
OF INFORMATICS AND RADIOELECTRONICS

**INTERNATIONALIZATION STRATEGY
OF BELARUSIAN STATE UNIVERSITY OF
INFORMATICS AND RADIOELECTRONICS
FOR 2016-2020**

Minsk 2015

PICASA

Promoting Internationalization of HEIs in Eastern Neighborhood Countries through Cultural and Structural Adaptations

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MISSION, OBJECTIVES AND PRIORITIES OF THE UNIVERSITY INTERNATIONALIZATION

The internationalization strategy of Belarusian State University of Informatics and Radioelectronics (BSUIR) developed under the project No. 544125-TEMPUS-1-2013-1-AM-TEMPUS-SMGR "Promoting Internationalization of HEIs in Eastern Neighbourhood Countries through Cultural and Structural Adaptations" (further referred to as the project "PICASA") of the European Union program TEMPUS IV.

This strategy is included in BSUIR Development Program for the period of 2016-2020 adopted by the decision of the University Council (Minutes No. 4 as of 24.12.2015) and approved by the Rector's order No. 381 as of 31.12.2015.

The internationalization strategy of Belarusian State University of Informatics and Radioelectronics is designed to facilitate the implementation of one of the major challenges facing the University in 2016-2020 that is the international cooperation development.

The University's mission as the national leader in the branch is to carry out educational and research activities aimed at training specialists with specialized secondary and higher education and postgraduates capable of perceiving, generating and implementing innovative ideas and creating competitive high-tech products in computer science and electronics.

BSUIR Development Priorities:

1. in the field of internationalization of education:
 - system-wide integration of the EHEA instruments into the University's study process;
 - organization and system-wide enlargement of specialties, unification of qualifications, termination of obsolete specialities, areas of training and specializations of higher education in line with the new National Index 011-2016 "Specialties and Qualifications" which is harmonized with the requirements of the International Standard Classification of Education (ISCED 2013) to be integrated with the EHEA taking into account the requirements and needs of the real economy;
2. in the field of internationalization of research:
 - a larger number of professors, doctoral, PhD and Master students, as well as first degree students involved in scientific research and wider participation in competitions of scientific projects carried out by national and foreign foundations and organizations;
 - improved scientometric indicators of R&D activities via increased number of publications in top-ranking scientific journals with high impact factor.
3. in the field of international cooperation development:
 - increased competitiveness of graduates on the international labor market;
 - raised visibility of the university on the international market;
 - improved internationalization of the university in education and research;
 - enhanced export of educational services and R&D products and services;
 - advanced system of international cooperation management of the University.

**INTERNATIONALIZATION STRATEGY
OF BELARUSIAN STATE UNIVERSITY
OF INFORMATICS AND RADIOELECTRONICS FOR 2016-2020**

No.	Name of sections and activities	Terms of strategy implementation	Responsible for implementation	Expected indicators
1.	INTERNATIONALIZATION OF EDUCATION			
1.1	Integration of the EHEA instruments into the University's study process			
1.1.1	Input to the development of normative legal acts which regulate the evaluation of workload in credit units in line with ECTS in cooperation with the National Institute for Higher Education	2016-2017	- Vice-Rector for Education and Quality Management, - Vice-Rector for Education and Personal Development	BSUIR proposals for including in normative legal acts which regulate the evaluation of workload in credit units in line with ECTS
1.1.2	Revision of teaching and programme documentation of first degree and Master programmes in line with the rules of workload evaluation in credit units. Introduction of descriptions to the learning outcomes in educational standards (in cooperation with the National Institute for Higher Education)	2016-2017	- Vice-Rector for Education and Quality Management, - Vice-Rector for Education and Personal Development	Reviewed teaching and programme documentation developed on the basis of the experience of the European Higher Education Area and in line with the European Credit Transfer and Accumulation System (ECTS)
1.2	Optimization of specialties and areas of training specialists with higher education			
1.2.1	Input to the development of National Index 011-2016 "Specialties and Qualifications" based on ISCED 2013 methods and criteria for organizing education by levels and qualifications	2015-2016	First Vice-Rector	BSUIR proposals for minimization of classification groups, termination of obsolete specialties, enlargement of specialties, unification of qualifications
1.2.2	Launch of Master training at the Faculty of Engineering and Economics within the interdepartmental integrated Master programme in English	2020	Vice-Rector for Education and Personal Development	Master students training on a new educational program taught in English

1.2.3	Selection and nomination of talented BSUIR Master students for study in priority fields of economics at top international research centers	2016 -2020	Vice-Rector for Education and Personal Development	Annual selection and nomination of up to 3 candidates to the Commission which sends students for studies to organizations of foreign countries
1.3	Development of educational standards as well as teaching and programme documentation for the study process			
1.3.1	Development of educational standards of specialties and teaching and methodical documentation for the 2-year Master training in line with the standards of first degree programmes	2016	Vice-Rector for Education and Personal Development	Set of documents for the 2-year Master training
1.3.2	Final development of study programmes of special disciplines for the 4-year first degree training	2016	Vice-Rector for Education and Quality Management	Set of documents for the 4-year first degree training
1.3.3	Development of an action plan aimed at enhanced training in the foreign language	2016 - 2017	Vice-Rectors: - First Vice-Rector, - Vice-Rector for Education and Quality Management, - Vice-Rector for Education and Personal Development	Developed teaching and methodological documentation for the 2-year Master training in English; electronic database of university disciplines curricula for the first degree training in English; Updated information on the BSUIR Master's program webpage about the possibility of training in English; Agreed plan of inviting lecturers and experts to lecture in a foreign language
1.3.4	Involvement of the University in conferences, workshops, business matchmaking sessions and exhibitions including the international ones	2016 - 2020		Annual organization of at least 10 scientific and technical conferences, workshops and seminars on the basis of the university, BSUIR participation in at least 15 exhibitions and fair international events

2.	INTERNATIONALIZATION OF RESEARCH			
2.1	Planning and carrying out of scientific and R&D activities			
2.1.1	Involvement of the University in the creation and implementation of various-level state programmes, individual projects, MOE competitions as well as national and foreign research foundations	2016 - 2020	Vice-Rector for Research and Development	Annual participation of the university in at least 20 projects
2.1.2	Revitalization of activities aimed at improved effectiveness of extrabudgetary events	December 2016	Vice-Rector for Research and Development	University export income increase by 105%
2.1.3	Involvement of first degree students, Master and PhD students in scientific research as assigned by various-level state programmes, agreements with enterprises and organizations of the Republic of Belarus as well as foreign contracts	2016 - 2020	Vice-Rector for Research and Development	1.5 times increase in the number of young scientists involved in research projects
2.1.4	Additional information and advisory support of talented young scientists who plan to continue their research in the University R&D department. Introduction of competition-based annual financial incentives for publications in top-ranking international journals with high impact factors	2016 - 2020	Vice-Rector for Research and Development	Regulations on financial incentives for publications in top-ranking international journals with high impact factors
2.1.5	Financial support of first degree and Master students participating in international conferences from the budget of the University R&D department	2016 - 2020	Vice-Rector for Research and Development	Financial support of first degree and Master students participating in international conferences from the budget of the University R&D department
2.2	Development of innovations and technology transfer			
2.2.1	Promotion of R&D	2016 - 2018	Vice-Rector	Involvement of new

	products in order to increase the volume of exports of goods, activities (services)		for Research and Development	promotion channels, in particular, the UNDP Program, electronic trading platforms in Europe and Asia
2.2.2	of markets via the interaction with potential partners in Eastern Europe (Latvia, Estonia, Lithuania, Ukraine), the Russian Federation and the countries of Southeast Asia (Vietnam, Bangladesh, Indonesia, Pakistan)	December 2016	Vice-Rector for Research and Development	Enlargement and diversification of partner agreements
2.3	Improved training of postgraduates through PhD and postdoctoral studies			
2.3.1	Involvement of first degree and Master students in international and national competitions and contests of research papers	2016-2020	Vice-Rector for Research and Development	Annual increase in participation
2.3.1.1	Preparation and regular involvement of BSUIR teams in the ACM-ICPC International Collegiate Programming Contest	2016-2020	Vice-Rector for Education and Informatization	Annual increase in the number of BSUIR teams, participating in the ACM-ICPC International Collegiate Programming Contest
2.3.1.2	Organization of regular BSUIR Open Programming Championships based on the Faculty of Computer Systems and Networks	2016-2020	Vice-Rector for Education and Informatization	Annual increase in the number of participants with the involvement of foreign students
2.3.1.3	Carrying out of the International contest on Computer-Aided Design of Integrated Circuits with the involvement of first degree, Master and PhD students	Annually	Vice-Rector for Research and Development	Annual increase in the number of participants
3.	INTERNATIONAL COOPERATION DEVELOPMENT			
3.1	Increased visibility of the University on the international education market			
3.1.1	Promotion of BSUIR abroad in Russian and in foreign languages via active use of the University's website and	2016-2020	First Vice-Rector	Constant updating of information, creation of new sections on web portal, websites translation into various languages.

	library repository and active presence in social networks and on YouTube.			
3.1.2	Advanced management of international cooperation	2016	University Rector	Nomination of people responsible for the development of international cooperation and work in the framework of international programmes and projects at the faculties, departments and structural divisions
3.1.3	Permanent interaction with national and international media	2016-2020	University Rector	Updating of news section about BSUIR international cooperation in the Internet, social networks and other mass media sources
3.1.4	Participation in international exhibitions and fairs in the sphere of education and science	2016-2020	University Rector	Participation in 15 international scientific and educational events each year
3.1.5	Involvement of the University in international programmes, projects and contracts. Carrying out of other activities in cooperation with foreign educational institutions and research organizations, including those of HORIZON 2020, TEMPUS, Erasmus+, the Union State, German Academic Exchange Service (DAAD), the International Association for the Exchange of Students for Technical Experience (IAESTE), and others.	2016-2020	University Rector	Annual participation of the university in implementation of up to 16 international programmes
3.1.6	Increase in the number of scientific publications in Russian and in foreign languages in top-ranking scientific journals with high impact factor,	2020	University Rector	1.5 times increase in the number of scientific publications

	including those in editions included in databases of abstracts such as Thomson Reuters, SCOPUS, Web of Science, IEEE and others.			
3.1.7	Participation of the University's staff in international conferences, symposia, seminars and other events with presentations. Involvement of BSUIR in co-organization of international events	2016-2020	University Rector	Up to 30 reports per year, up to 6 events per year
3.2	Improved competitiveness of graduates on the international labor market			
3.2.1	Increase in academic mobility of staff and students via: - the establishment of joint educational programmes and projects; - the development of inclusive education with the L.N.Gumilyov Eurasian National University (ENU), the Republic of Kazakhstan; - the creation of conditions for the involvement of the University's staff and students in international programmes and projects, competitions, championships, festivals and other international events; - the attraction of third-party funding (international programmes, projects, scholarship foundations, sponsorship and etc.); - the development of cooperation with private sector entities capable of	2016-2020	University Rector	Annual increase in the number of outgoing academic mobility of staff and BSUIR students

	providing practice or internship places			
3.2.3	<p>Permanent invitation of foreign experts in ICT, electronics and economics via:</p> <ul style="list-style-type: none"> - the attraction of third-party funding (international programmes, projects, scholarship funds); - the establishment of new and strengthening of existing contacts with foreign educational and research institutions; - the use of modern e-learning technologies 	2016-2020	University Rector	Annual involvement of foreign experts in educational process
3.2.4	<p>Professional development of teachers and specialists of the University in the English language. Development of an incentive scheme for the University staff who possess and use foreign language skills.</p>	2016-2020	University Rector	Annual professional development of up to 5 teachers of the University in the English language courses. Up to 10 internships for university staff in English-speaking countries each year
3.2.5	<p>Promotion and support of cross-cultural communication and initiatives aimed at international cooperation development via:</p> <ul style="list-style-type: none"> - the organization of cultural and academic activities with the involvement of Belarusian and foreign students; - the development of motivation of staff and students to participate in international events; - the involvement of a larger number of employees and students in international activities; - the creation of hobby 	2016-2020	University Rector	Organization of up to 20 cultural and academic activities, sport events each year with the involvement of Belarusian and foreign students. increase in the number of academic mobility of students and staff by 10% each year

	clubs (sports, art, language and etc.).			
3.2.6	Involvement of foreign students in student government	2016-2020	Vice-Rector for Education and Personal Development	Creation of students government of countries arrived for training to the university
3.2.7	Implementation of grade conversion from the national system into ECTS	2017	Vice-Rector for Education and Quality Management, Vice-Rector for Education and Personal Development	Introducing BSUIR coordinator and expert on ECTS, issuing national annex to diplomas corresponding to the structure and content of the European Diploma Supplement (Diploma Supplement)
3.2.8	Development of a scheme for selecting disciplines in a foreign university close to the study programme of home University for the academic mobility period	2017	Vice-Rector for Education and Quality Management Vice-Rector for Education and Personal Development	Local normative act determining the scheme
3.2.9	Development and submission of proposals for the recognition of learning outcomes during mobility abroad to the Ministry of Education	2017	Vice-Rector for Education and Quality Management	Local normative act determining the mechanism of the recognition of learning outcomes during mobility abroad
3.2.10	Creation of network cooperation between BSUIR and one of Russia's leading universities	2016	University Rector	Realization of joint educational programmes
3.3	Increased export of educational services			
3.3.1	Increase in the number of students from foreign countries	2016-2020	First Vice-Rector	Increase in the number of students from foreign countries by 10 % from total number of students
3.3.2	Development of marketing strategies to promote educational services	2016	First Vice-Rector	Realization of marketing strategy events in near and far-abroad countries
3.3.3	Expansion of the range of educational services including those in English	2016-2020	First Vice-Rector	Realization of projects of inclusive education, short-term internships, summer school of the Russian language, summer school

				for programmes
3.3.4	Development of a grant or scholarship award scheme and a tuition fee discount scheme for foreign students	2016	First Vice-Rector	Up to 5 grants for foreign students awarded per year, a tuition fee discount scheme for foreign students
3.3.5	Update of the English version of study and programme documentation and creation of video content in subjects which are taught in English	2016-2020	First Vice-Rector, Vice-Rector for Education and Quality Management	100 % completed English version of study and programme documentation, implementation of video content in subjects on main disciplines which are taught in English
3.3.6	Implementation of an action plan for the creation of double-degree study programmes	2016-2017	University Rector	Implementation of double-degree study programmes with the National Research Nuclear University MEPHI, universities of Kazakhstan
3.3.7	Implementation of an action plan for the creation of a joint academic institution with a foreign university	2016-2017	First Vice-Rector	Creation of a joint faculty with a foreign university
3.3.8	Cooperation with state organizations in several countries for training of engineers and postgraduates.	2016-2020	First Vice-Rector	1.5 times increase in practice of target training of foreign specialists within the contracts with foreign countries and companies