BELARUSIAN STATE TECHNOLOGICAL UNIVERSITY

POSTGRADUATE EDUCATION

PhD AND DOCTORAL STUDIES

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BELARUSIAN STATE TECHNOLOGICAL UNIVERSITY – NATIONAL LEADER OF TECHNOLOGICAL EDUCATION

Founded in 1930, Belarusian State Technological University is a prestigious and unique center providing end-to-end cluster system of training for key sectors of the national and global economy. More than 78,000 graduates of the University work successfully in the areas of chemical and petrochemical industry, composite materials, information technology industry, programming and cyber security, global geoinformation systems, forestry and added-value wood processing, industrial construction materials, biotechnology, and pharmaceutical media, printing, automation and robotics, to ensure national and environmental security, economics, electronic marketing, etc.

The University maintains close collaborative ties with more than 200 educational and research centres worldwide.

The languages of instruction are Russian and English.

Welcome to Belarusian State Technological University!

Rector
Ihar VOITAU
D. Sc. (Engineering)
Professor

Postgraduate studies are aimed at those students who want to continue their studies or carry out research and further increase expertise in a specialist subject and acquire novel skills and research methods. Upon completing your postgraduate course you can obtain a “Researcher” diploma.

Postgraduate studies include:

* PhD course (a “Researcher” diploma is awarded upon the completion): full-time or part-time attendance, external studies

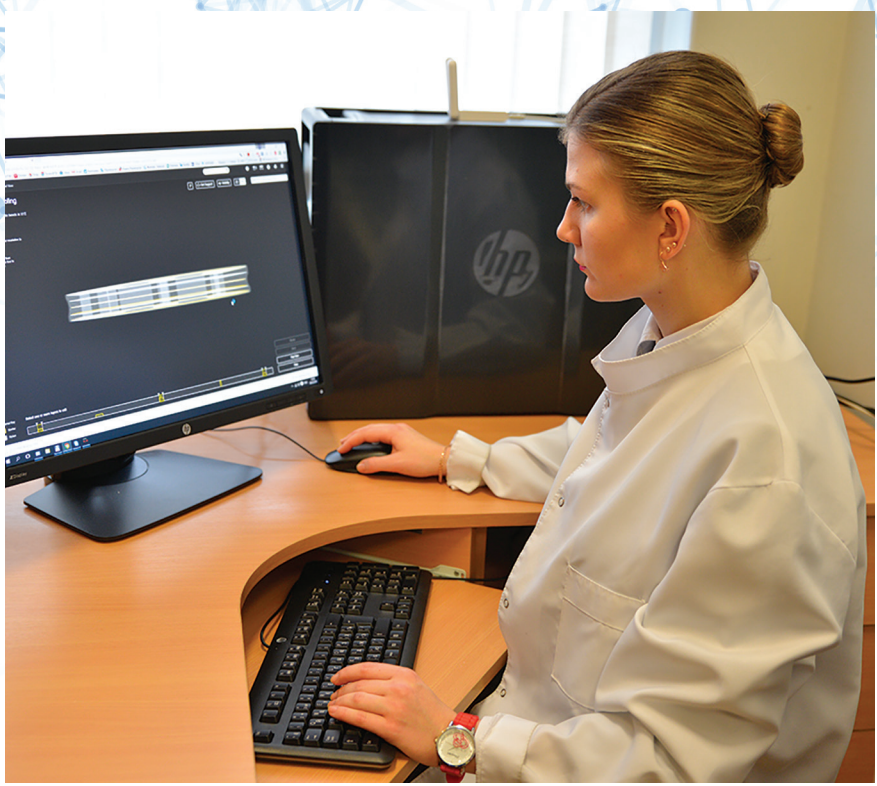
* doctoral course: full-time attendance, external studies.

PhD COURSE

A PhD course is a first degree of postgraduate studies which is designed to develop self-directed research skills of students, to build on the knowledge and expertise in their chosen study area. The students work towards writing up their thesis and submitting it as a dissertation. Upon completion of the full PhD course, the students are awarded a “Researcher” diploma.

Requirements to international applicants:

- Master’s degree
- dedication to research, experience of writing publications, participation in research projects, conferences, workshops, etc.



DOCTORAL COURSE

A doctoral course is the second degree of postgraduate studies. The course is for scholars who aspire to conduct their original research or to pursue additional research and make an original and significant contribution to a body of knowledge in a field. The doctoral students have to demonstrate their ability to evaluate, synthesize, and apply knowledge in a field and are required a capstone achievement in the form of a dissertation

EXTERNAL PhD COURSE

An external PhD course does not require entrance examinations and regular attendance of the university. The students conduct their research and write up their thesis independently. A supervisor is involved in this process. They read through the draft thesis and let the student know when they think their PhD is ready for submission.

COURSE DURATION

- PhD course (full-time attendance) – three years
- PhD course (part-time attendance) – four years
- External PhD course – five years

Note: early completion of any course is possible if the student manages to submit their dissertation within a shorter period

PHD AND POSTDOCTORAL PROGRAMS OFFERED AT BSTU

Code	*Subject field, program*	*Degree awarded*
01.00.00	**PHYSICS AND MATHEMATICS**	
01.04.00	*PHYSICS*	
01.04.02	Theoretical Physics	PhD (Physics and Mathematics)
01.04.07	Condensed State Physics	PhD (Physics and Mathematics) PhD (Engineering)
01.04.14	Thermal Physics and Heat Engineering	PhD (Physics and Mathematics) PhD (Engineering)
02.00.00	**CHEMISTRY**	
02.00.01	Inorganic Chemistry	PhD (Chemistry) PhD (Engineering)
02.00.02	Analytical Chemistry	PhD (Chemistry) PhD (Physics and Mathematics) PhD (Engineering)
02.00.03	Organic Chemistry	PhD (Chemistry) PhD (Engineering)
02.00.04	Physical Chemistry	PhD (Chemistry) PhD (Physics and Mathematics) PhD (Engineering)
02.00.05	Electrochemistry	PhD (Chemistry) PhD (Physics and Mathematics) PhD (Engineering)
02.00.06	High-molecular Compounds	PhD (Chemistry) PhD (Physics and Mathematics) PhD (Engineering)
02.00.21	Chemistry of Solids	PhD (Chemistry) PhD (Engineering) PhD (Physics and Mathematics)
03.00.00	**BIOLOGY**	
03.01.00	*Physical and Chemical Biology*	
03.01.06	Biotechnology (incl. Bionanotechnology)	PhD (Biology) PhD (Chemistry) PhD (Engineering) PhD (Veterinary) PhD (Agriculture)
03.02.00	*General Biology*	

Code	Subject field, program	Degree awarded
03.02.03	Microbiology	PhD (Biology) PhD (Medicine) PhD (Agriculture) PhD (Veterinary)
03.02.13	Soil Science	PhD (Biology) PhD (Chemistry) PhD (Agriculture)
05.00.00	**ENGINEERING**	
05.02.00	*Machine Building and Mechanical Science*	
05.02.13	Machines, Aggregates and Processes	PhD (Engineering)
05.11.00	*Instrument-making, Metrology and Data Measuring Instruments and Systems*	
05.11.13	Machines and Methods for Control of Environment, Substances, Materials and Products	PhD (Engineering)
05.13.00	*Information Science, Computer Engineering and Control*	
05.13.05	Elements and Devices of Computer Engineering and Control Systems	PhD (Engineering)
05.13.06	Automation and Control of Technological Processes and Production	PhD (Engineering)
05.16.00	*Metallurgy and Materials Science*	
05.16.09	Materials Science	PhD (Engineering)
05.17.00	Chemical Technology	
05.17.01	Inorganic Substances Technology	PhD (Engineering) PhD (Chemistry)
05.17.04	Organic Substances Technology	PhD (Engineering) PhD (Chemistry)
05.17.06	Technology and Processing of Polymers and Composites	PhD (Engineering) PhD (Chemistry)
05.17.08	Processes and Apparatus of Chemical Technology	PhD (Engineering) PhD (Chemistry) PhD (Physics and Mathematics)
05.17.11	Technology of Silicate and Refractory Non-metal Materials	PhD (Engineering) PhD (Chemistry)

Code	Subject field, program	Degree awarded
05.21.00	*Technology, Machinery and Equipment for Logging, Forestry, Woodworking and Chemical Processing of Wood Biomass*	
05.21.01	Technology and Machinery for Logging and Forestry	PhD (Engineering)
05.21.03	Technology and Machinery for Chemical Processing of Wood Biomass; Wood Chemistry	PhD (Engineering) PhD (Chemistry)
05.21.05	Wood Science, Woodworking Technology and Equipment	PhD (Engineering)
05.23.00	*Construction and Architecture*	
05.23.16	Hydraulics and Engineering Hydrology	PhD (Engineering)
06.00.00	**AGRICULTURE**	
06.01.00	*Agronomy*	
06.01.07	Protection of Plants	PhD (Agriculture) PhD (Biology)
06.03.00	*Forestry*	
06.03.01	Forest Plantations, Selection and Seed Breeding	PhD (Agriculture) PhD (Biology)
06.03.02	Forest Science, Silviculture, Forest Inventory and Forest Taxation	PhD (Agriculture) PhD (Biology) PhD (Engineering)
	HUMANITIES	
05.25.00	*Documentary Information*	
05.25.05	Information Systems and Processes	PhD (Philology) PhD (Engineering)
07.00.00	*History and Archaeology*	
07.00.02	National History	PhD (History)
	SOCIAL SCIENCES AND ECONOMICS	
08.00.00	*Economics*	
08.00.01	Economics	PhD (Economics)
08.00.05	Economics and Management of National Economy	PhD (Economics)
25.00.00	**EARTH SCIENCES**	
25.03.00	*Geography*	
25.03.13	Geo-ecology	PhD (Geology and Mineralogy) PhD (Geography) PhD (Engineering)

Belarusian State Technological University has five PhD/D.Sc. Certification Councils.

PhD/D.Sc. Certification Council D 02.08.01

Subject field(s) and degree awarded: PhD / D.Sc. (Economics)

08.00.05 – economics and management of national economy (economics; enterprise management; sector management (chemical and forest sector; building materials industry; printing and publishing industry); innovation management; environmental economics; management (forest sector, timber industry; building materials industry; chemical and petrochemical industries; printing and publishing industry; recreation and tourism sector).

PhD/D.Sc. Certification Council D 02.08.02

Subject field(s) and degree awarded: PhD / D.Sc.

05.17.01 – technology of inorganic substances (Engineering);

05.17.08 – processes and apparatus of chemical technology (Engineering);

05.17.11 – technology of silicate and refractory non-metal materials (Engineering).

PhD/D.Sc. Certification Council D 02.08.04

Subject field(s) and degree awarded: PhD / D.Sc.

05.16.09 – materials science (chemical industry) (Engineering);

05.17.06 – technology and processing of polymers and composites (Engineering);

05.21.03 – technology and machinery for chemical processing of wood biomass; wood chemistry (Engineering).

PhD/D.Sc. Certification Council K 02.08.01

Subject field(s) and degree awarded: PhD / D.Sc.

06.03.01 – forest plantations, selection and seed (Agriculture);

06.03.02 – forest science, silviculture, forest inventory and forest taxation (Agriculture).

PhD/D.Sc. Certification Council D 02.08.06

Subject field(s) and degree awarded: PhD / D.Sc.

05.21.01 – technology and machinery for logging and forestry (Engineering);

05.17.06 – wood science, woodworking technology and equipment (Engineering);

ADMISSION

Application documents

PhD course:

1. Application form.
2. Copy of passport.
3. Personal record sheet.
4. CV.
5. Copy of higher education certificate/diploma, transcript of records (diploma supplement).
6. Copy of Master's degree certificate/diploma, transcript of records (diploma supplement).
7. Copy of certificate of PhD candidacy examinations.
8. List of published papers and their copies. If not available, a scientific report on the filed chosen (39,200 printed characters or 16 pages of text with one-and-a-half spacing).
9. Any registered intellectual property, i.e., abstracts of reports on research and innovation projects, certificates of R&D application; copies of conference papers and (or) abstracts.
10. Protocol statement of the department meeting on the relevance, quality and scope of the research independently done by the applicant.
11. Two 4×6 cm photos.
12. Agreement for fee-based training of a PhD student (upon admission).

All documents made in any foreign language shall be duly translated into Russian (or Belarusian) and notarized.

All applicants shall present their passport and original copies of education certificates upon arrival.

External PhD course and PhD candidacy examinations in general academic subjects:

1. Application form.
2. Copy of passport.
3. Copy of higher education certificate/diploma, transcript of records (diploma supplement).

4. Copy of Master's degree certificate/diploma, transcript of records (diploma supplement).
5. Two 4×6 cm photos.
6. Agreement for fee-based training of an external PhD student (upon admission).

All documents made in any foreign language shall be duly translated into Russian (or Belarusian) and notarized.

All applicants shall present their passport and original copies of education certificates upon arrival.

Doctoral course:

1. Application form.
2. Copy of passport.
3. Personal record sheet.
4. CV.
5. Copy of the national PhD certificate.
6. Copy of employment record.
7. List and copies of the published papers in the subject field of future doctoral dissertation; copies of conference papers and (or) abstracts.
8. Any registered intellectual property, i.e., abstracts of reports on research and innovation projects, certificates of R&D application; contributions to national research programs and innovation projects in prioritized advanced study fields.
9. Plan of timeline and progress of doctoral dissertation.
10. References by two Doctors of Science working in a related study field. The references shall evaluate the relevance of the future dissertation, the dissertation plan and its timeline.
11. Two 4×6 cm photos.
12. Agreement for fee-based training of a doctoral student (upon admission).

All documents made in any foreign language shall be duly translated into Russian (or Belarusian) and notarized.

All applicants shall present the original copy of their national PhD certificate upon arrival.

Admissions to the PhD and doctoral courses are open on a year-round basis.

IMPORTANT INFORMATION!

Recognition of foreign education certificates is supported by the Foreign Credentials Assessment Centre (Belarus ENIC) under the National Institute of Higher Education.

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https://nihe.bsu.by/index.php/en/194-en-about/2724-the-centre-for-recognition-of-documents

Required documents

1. Application form (can be downloaded from Belarus ENIC website)
2. Copy of passport or other official ID document (pages with personal data)
3. Notarized and legalized copy of the qualification (diploma, degree, certificate)
4. Notarized and legalized copy of the transcript or Diploma Supplement
5. Notarized translation of the qualification (diploma, degree, certificate) into Russian or Belarusian
6. Notarized translation of the transcript or Diploma Supplement into Russian or Belarusian,
7. Two 3x4 cm photos
8. Confirmation of fee payment

All applications are processed within one month.

Languages of instruction

PhD and doctoral students must have good command of Russian or English*.

Language courses can be taken upon request.

**all applicants have an oral language assessment interview prior to admission. If the language command is insufficient, the applicants may be recommended to take a language course (Russian or English)*

Tuition fee

All international applicants must conclude an Agreement for fee-based training. The Agreement is made for the entire period of studies.

Tuition fees for PhD and doctoral courses

- full-time attendance, Russian-taught – 3,800-3,900 USD
- part-time attendance or external PhD course, English-taught – 3,100-3,200 USD
- part-time attendance or external PhD course, Russian-taught – 2,100-2,200 USD

Administrative fees

Invitation letter – 60 USD

Registration fee – 50 USD

Insurance policy (compulsory) – 170 EUR/year

Medical check-up (compulsory) – 100 USD

Vacation visa (upon request) – 40 USD

Exit visa – Visa and registration 25 USD

The fees are paid upon arrival. Payment is made in BYN at the exchange rate on the payment date.

Administrative fees

Visa-free countries: Azerbaijan, Armenia, Georgia, Kazakhstan, Kyrgyzstan, Mongolia, Russia, Tajikistan, Uzbekistan, Ukraine.

Nationals of other countries must apply for an entry visa at the Belarusian Embassy (Consulate) in their home country or at the Consular Department of the National Minsk Airport.

Visa and registration support is provided by the BSTU International Students Office.

ACCOMMODATION

All international students are accommodated in University dormitories which have all necessary facilities for living, training and recreation.

The dormitories are conveniently located within a five-minute walk of the academic building and have good access to the city centre by public transport and walking.

Students are accommodated in two- or three-bed rooms which they share with Belarusian or other international students. The rooms have basic furniture (beds, bed tables, desks, chairs, wardrobes) and en-suite shower room and toilet room. Students can cook in shared kitchens (one kitchen per floor). The dormitories have their own snack bars and cafeteria. Sport lovers can take advantage of the university sports complex with gyms, sport grounds and stadiums.

BSTU
IS A MULTINATIONAL UNIVERSITY

The international community includes students from more than 20 countries: Azerbaijan, India, Iraq, Iran, Kazakhstan, China, Cameroon, Congo, Moldova, Latvia, Lebanon, Libya, Lithuania, Nigeria, Poland, Tajikistan, Turkmenistan, Turkey, Russia, Uzbekistan, Ukraine, Ecuador, etc.

STUDENT LIFE

"Student Spring", "Minute of Glory"
and other festivals
Kolokol Student Theatre
Roon Folk Group
Folk Orchestra
Club of Witty Youth

FACILITIES

9 dormitories
Botanical garden
Ecological trail
Two forestry
experimental stations

SPORT

Modern sports centre
7 gyms
2 stadiums
Ski station
Sports club
9 sport grounds with synthetic covering

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PhD and doctoral studies

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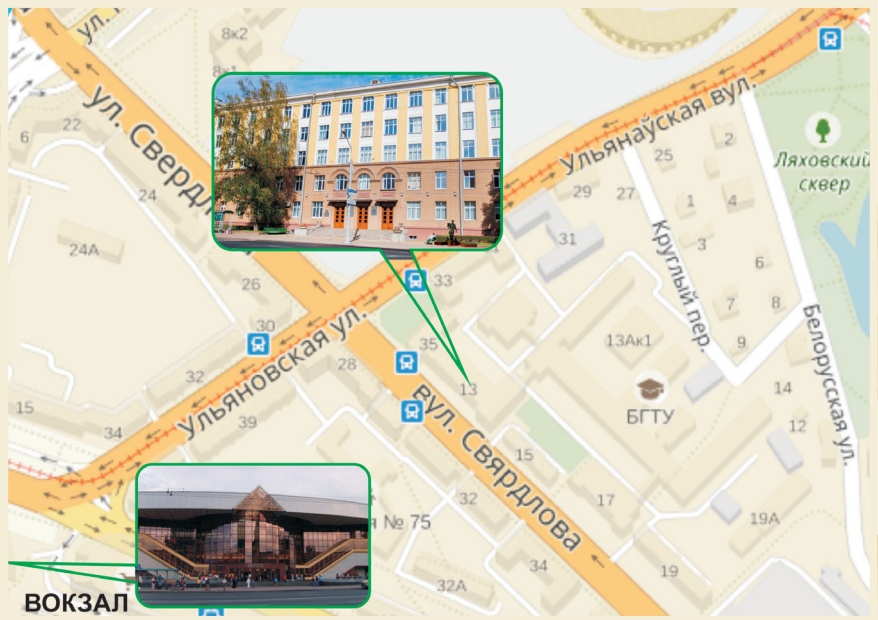

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