

# EDUCATIONAL PROGRAMS FOR INTERNATIONAL STUDENTS



**POLYTECH**

Peter the Great  
St.Petersburg Polytechnic  
University





# ABOUT THE UNIVERSITY

Peter the Great St.Petersburg Polytechnic University has a long-standing and successful history over 120 years where a great deal of important discoveries and inventions have been made. It was founded in 1899.

SPbPU has recently become the “**National Research University**” – a recognized Russian and international leader in the field of engineering and economic education with rich educational, scientific and innovation infrastructure. Headed by leading scientists, there were established new competence centers in the priority scientific areas. The university has been developing successful partnerships with over 100 leading international companies to perform profound researches through their requests.

Nowadays, SPbPU is the leading university of Russia with over than 33 000 students and rapidly increasing number of foreign students.

The University is a member of Academic Excellence program among Russian Universities “5-100-2020”. SPbPU is listed in the QS World University Rankings (153th position in the number of international students) and Times Higher Education (ranked 37th in the THE University Impact Rankings). The University is proud of its long-standing traditions of international cooperation with many foreign educational institutions, research organizations and industrial companies.

The University is carrying out education and research activities in the

following areas: **engineering, natural science, life sciences, management, economics and humanities.**

We provide a wide range of up-to-date educational programs in both Russian and English languages.

One of the basic principles of educational process at the Polytech is the essential participation of students in the research process. The university has plenty of research laboratories and centers, more than two dozen of small innovative enterprises, technology park and business incubator. Therefore, while studying at the University, students become independent, creatively-minded researchers and inventors, organizers and coordinators of complex scientific and technical projects.



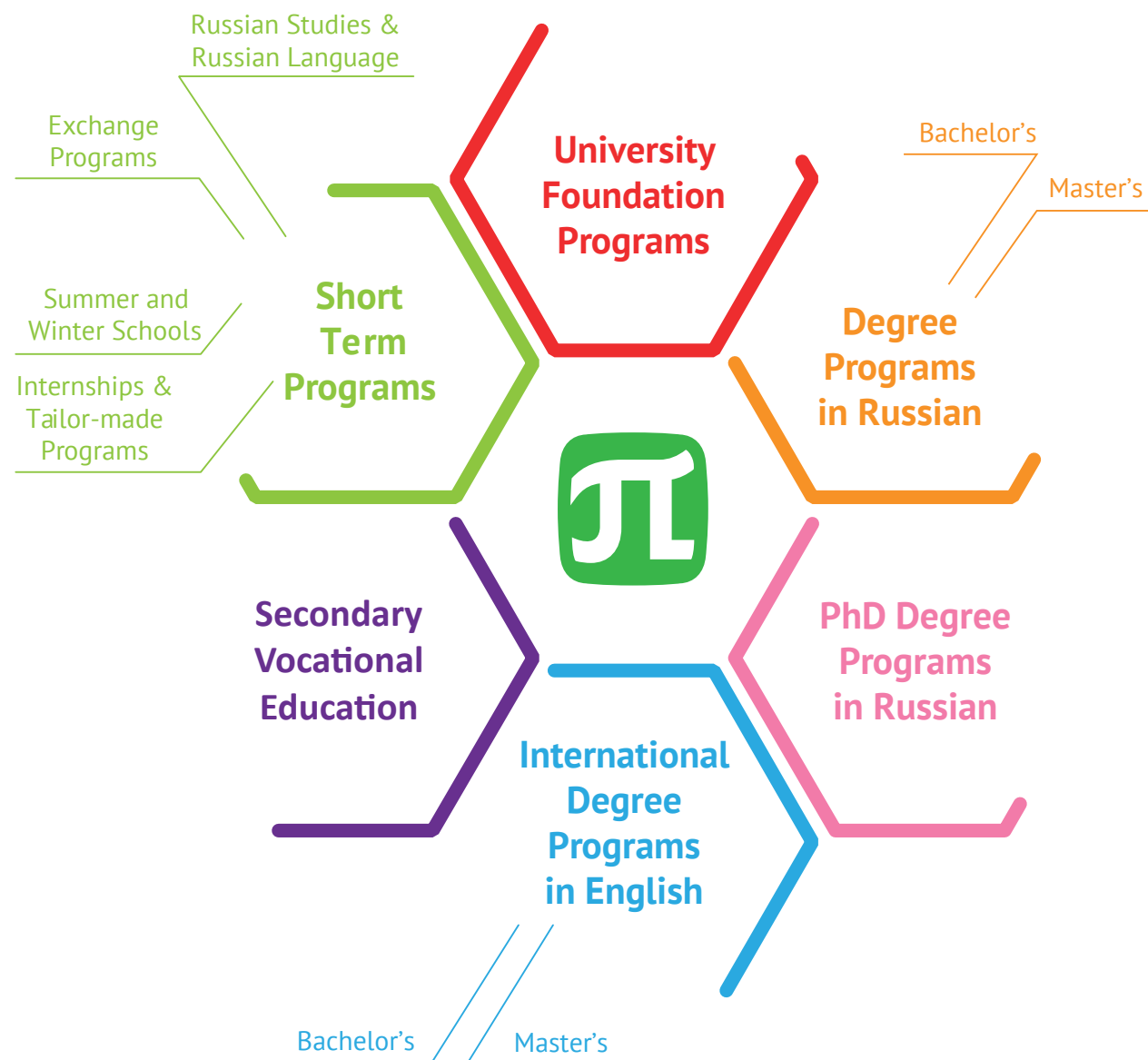
PETER THE GREAT ST.PETERSBURG POLYTECHNIC UNIVERSITY - MAKE YOUR FUTURE SUCCESSFUL WITH US!

# FACTS AND FIGURES





# PROGRAM TYPES



# UNIVERSITY FOUNDATION PROGRAMS

TAKE THE FIRST STEP INTO YOUR FUTURE CAREER!

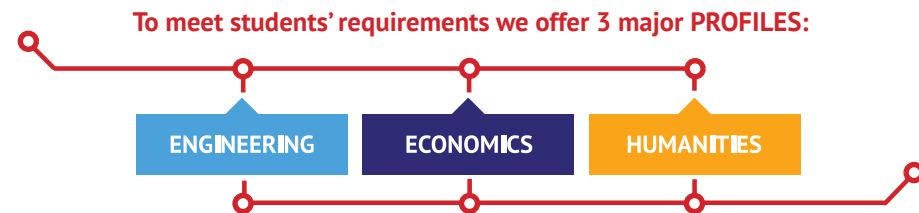
## University Foundation Programs:

- Prepare international students for undergraduate and postgraduate studies at Russian universities
- Develop international and study skills through the Russian language and professional training

First SPbPU University Foundation program was founded in 1965. The number of University Foundation program graduates is more than 16 000 international students from Europe, Central, North and South America, Asia and Africa.

University Foundation programs meet state educational standards of university foundation training.

The programs are based on the standards of Russian high school and first courses of universities. Over 50% of time is scheduled for studying the Russian language.



## “University Foundation Program - STANDARD”

(program starts from September to November):

- Duration – 10 months;
- Workload – 66 credits (including 1116 contact hours);
- Profile disciplines:

Engineering	Basic disciplines	the Russian language, Mathematics, Physics
	Additional disciplines	Computer Science, Chemistry
Economics	Basic disciplines	the Russian Language, Mathematics, the Basics of Social Sciences
	Additional disciplines	the Economy, the Basics of Social Sciences, Computer Science, History
Humanities	Basic disciplines	the Russian language, History, the Basics of Social Sciences
	Additional disciplines	the Basics of Social Sciences, Literature, the Basics of STEM

## “University Foundation Program - INTENSIVE”

(for those who start training from November):

- Duration – 8 months;
- Workload – 66 credits (including 1050 contact hours);
- Profile disciplines:

Engineering	Disciplines	the Russian Language, Mathematics, Physics
Economics	Disciplines	the Russian Language, Mathematics, the Basics of Social Sciences
Humanities	Disciplines	the Russian Language, History, Literature, the Basics of Social Sciences

## Russian language Study Program

(Training starts from 1 September till 1 November):

- Duration – 10 months;
- Workload – 66 credits (including 1014 contact hours);
- Profile discipline: the Russian language.

Study process is organized in small groups of 7-12 persons.

After successful completion of the University Foundation program Certificate is awarded.



# DEGREE PROGRAMS IN RUSSIAN

## Entrance requirements:

Russian translation of the diploma and the transcript certified by the Russian notary or Russian consulate in your home country.

## BSc

Secondary school certificate with transcript of the records.

Entry tests are required.

**Application deadline:** June, 15.

**Start date:** September

**Duration of studies:** 4 years

## MSc

Bachelor's or Specialist's degree diploma with transcript of the records.

Entry test in the field of study and in Russian language is required.

**Application deadline:** June, 15.

**Start date:** September

**Duration of studies:** 2 years

Program name	BSc	MSc
<b>Institute of Civil Engineering</b>		
Civil Engineering	✓	✓
Urban Development		✓
Technosphere Safety	✓	✓
<b>Institute of Energy</b>		
Heat Power Engineering	✓	✓
Electrical and Electrical Power Engineering	✓	✓
Power Machine Engineering	✓	✓
Motor Transport and Technology Systems	✓	✓
Nuclear Power Engineering and Thermal Physics	✓	✓
<b>Institute of Machinery, Materials, and Transport</b>		
Mechanical Engineering	✓	✓
Technological Machinery and Equipment	✓	✓
Design and Technology Support of Mechanical Facilities	✓	✓
Materials Science and Technology of Materials	✓	✓
Metallurgy	✓	✓
Motor Transport and Technology Systems	✓	✓
Automation of Technological Processes and Production	✓	✓
Technology of Transportation Processes	✓	✓

Program name	BSc	MSc
Nanotechnology and Microsystems	✓	
Design	✓	✓
Materials Art Processing Technology	✓	
<b>Institute of Physics, Nanotechnology and Telecommunications</b>		
Physics	✓	✓
Radio Engineering	✓	✓
Telecommunications Technologies and Communication Systems	✓	✓
Electronics and Nanoelectronics	✓	✓
Technical Physics	✓	✓
<b>Institute of Computer Science and Technology</b>		
Fundamental Computer Science and Information Technology	✓	✓
Mathematical Software and Information Systems Administration	✓	✓
Information Science and Computer Engineering	✓	✓
Information Systems and Technologies	✓	✓
Applied Information Science	✓	✓
Software Engineering	✓	✓
Systems Analysis and Control	✓	✓
Quality Control	✓	

Program name	BSc	MSc
Innovations	✓	✓
Control in Engineering Systems	✓	✓
<b>Institute of Advanced Manufacturing Technologies</b>		
Management of Knowledge -Intensive Production		✓
<b>Institute of Applied Mathematics and Mechanics</b>		
Applied Mathematics and Informatics	✓	✓
Mechanics and Mathematical Modeling	✓	✓
Mathematics and Computer Sciences	✓	✓
Applied Mathematics and Physics	✓	✓
Applied Mechanics	✓	✓
<b>Institute of Industrial Management, Economics and Trade</b>		
Quality control		✓
Economics	✓	✓
Management	✓	✓
Human Resource Management	✓	✓
State and Municipal Management	✓	✓
Business Informatics	✓	✓
Commerce	✓	✓
Commodity Research	✓	✓

Program name	BSc	MSc
Service	✓	✓
Tourism	✓	
Hotel business	✓	
<b>Institute of Humanities</b>		
Jurisprudence	✓	✓
Foreign Regional Studies	✓	✓
Linguistics	✓	✓
Advertising and Public Relations	✓	✓
Publishing	✓	✓
Sociology		✓
Psychological and Pedagogical Education	✓	✓
<b>Institute of Biomedical Systems and Technology</b>		
Biomedical Systems and Technologies	✓	✓
Technical Physics	✓	✓
Production Technology and Organization of Catering	✓	✓
Biotechnology	✓	✓





# DEGREE PROGRAMS IN ENGLISH

## Entrance requirements:

Russian translation of the diploma and the transcript certified by the Russian notary or Russian consulate in your home country.

## BSc

Secondary school certificate with transcript of the records.

English language proficiency: B2

Application deadline: June, 15

Entry date: September

ECTS: 240

Duration of studies: 4 years

## MSc

Bachelor's or Specialist's degree diploma with transcript of the records.

English language proficiency: B2

Application deadline: June, 15

Entry date: September

ECTS: 120

Duration of studies: 2 years

## DD

Double degree programs are developed so that a student could customize his or her education based on one's specific interests and improve career prospects. All the students enrolled are required to take studies at both SPbPU and a relevant partner university and complete graduate work successfully.

## Bachelor's Degree Program

### Institute of Industrial Management, Economics and Trade

International Business	Digital Enterprise
Industrial Management	International Trade

## Master's Degree Programs DD

### Institute of Civil Engineering

Civil Engineering	✓
Energy Efficient and Sustainable Buildings	✓
Environmental Engineering in Urban Construction	
Emergency Preparedness and Response	

### Institute of Energy

Power Plant Engineering	✓
Electrical Engineering	✓
Energy Technology*	✓
Nuclear Power Engineering	

### Institute of Physics, Nanotechnology and Telecommunications

Microelectronics of Telecommunication Systems	✓
Laser and Fiber Optic Systems	
Smart Nanostructures and Condensed Matter Physics	✓
Advances and Applications in Plasma Physics	

### Institute of Advanced Manufacturing Technologies

Technology Leadership and Entrepreneurship	
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### Institute of Computer Science and Technology ✓

Intelligent Systems	
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### Institute of Biomedical Systems and Technology

Molecular and Cellular Biomedical Technologies	
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### Institute of Applied Mathematics and Mechanics

Continuum Mechanics: Fundamentals and Applications	✓
Mechanics and Mathematical Modeling	✓

### Institute of Metallurgy, Mechanical Engineering and Transport

New Materials and Additive Technologies	
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### Institute of Industrial Management, Economics and Trade

International Business Development	✓
Innovative Entrepreneurship	✓
Business Engineering	✓
Quantitative Finance	

International Trade Relations	
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### Institute of Humanities

Regional Studies: Russian Federation	
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\*Triple Degree



**Andrey Rudskoy**

Rector, Academician of the Russian Academy of Sciences, Professor, DSc

«The Polytech is streamlining research base to get it modernized to a large-scale. It makes it possible to teach the most modern science disciplines and to conduct internationally significant research. For our young and talented youth we try to build a communication environment and assist them to turn their scientific ideas into certain innovative technologies and high-tech products.»



# PHD DEGREE PROGRAMS IN RUSSIAN

## Entrance requirements:

- ✓ Application form completed
- ✓ Academic CV
- ✓ Master's diploma or Specialist's diploma
- ✓ Russian translation of the diploma and the transcript certified by the Russian notary or Russian consulate in your home country
- ✓ Evaluation of the diploma/transcript from Education Evaluation Center
- ✓ Duration of studies:  
3 years - for Russian speaking students.  
4 years - without knowledge of Russian language
- ✓ Application deadline: July, 15  
Entry date: October, 01

## Field of studies:

Mathematics and Mechanics
Physics and Astronomy
Chemical Sciences
Earth Sciences
Biological Sciences
Equipment and Technology of Construction
Computer Science and Engineering
Electronics, Radio and Communication Systems
Photonics, Instrument Engineering, Optical and Biotechnical Systems
Information Safety
Nuclear, Thermal and Renewable Energy and Related Technologies
Mechanical Engineering
Technosphere safety
Materials Science and Technology
Management in Technical Systems
Nanotechnology and Nanomaterials
Agriculture
Economics
Jurisprudence
Political Science and Regional Studies
Education and Pedagogical Sciences
Historical Sciences and Archeology
Philosophy, Ethics and Religious Studies
Physical Culture and Sports





# SHORT TERM PROGRAMS

Russian Studies &  
Russian Language

Summer and  
Winter Schools

Exchange  
Programs

Internships &  
Tailor-made  
programs

Secondary  
Vocational  
Education

## RUSSIAN STUDIES & RUSSIAN LANGUAGE PROGRAMS

**Russian Studies & Russian Language programs** are designed for various target groups such as undergraduate and graduate students as well as individuals with any type of academic background who would like to study Russian as a foreign language, learn more about Russia or take a short-term training for personal or professional development. Flexibility of these programs makes it possible to meet a wide variety of students' interests and help them to get unforgettable language and culture immersion experience.

### YOU CAN:

- Choose when to start the program
- Choose for how long to study
- Choose the language of study: English or Russian
- Add extra courses and earn extra credits

## 1. RUSSIAN LANGUAGE STUDY PROGRAMS

We successfully teach our international students how to use the Russian language in a wide variety of academic contexts and in everyday life.

Level	Available start dates	Available duration
Beginner (A0)	<ul style="list-style-type: none"><li>• <b>Fall semester:</b> you can start any Monday from the 1-st week of September till the 2-nd week of November</li><li>• <b>Spring semester:</b> 2-nd week of February</li></ul>	2 weeks through 1 year
Elementary (A1) Low-intermediate (A2) Intermediate (B1) Upper-intermediate (B2)	<ul style="list-style-type: none"><li>• <b>Fall semester:</b> you can start any Monday from the 2-nd week of September till the 3-rd week of November</li><li>• <b>Spring semester:</b> you can start any Monday from the 3-rd week of January till the 1-st week of April</li></ul>	
Advanced (C1)	Terms of participation should be discussed with the Program Coordinator	

Group requests are accepted throughout the whole year.

In SPbPU we have a **Certified TORFL Testing Center**, offering the possibility of taking a TORFL examination upon successful completion of the Russian language program (TORFL I, II, III).

### Special seasonal offer - Summer School of Russian Studies:

June	Russian Language, Politics and Art in the White Nights	3 weeks	5 ECTS
July	Russian Language, Literature and Business Culture	4 weeks	6 ECTS
August	Russian Language, Politics and Art	4 weeks	6 ECTS
September	Russian Language, History and Literature	2 weeks	4 ECTS



## 2. RUSSIAN LANGUAGE FOR PROFESSIONAL ACTIVITY

### Russian Language for Business Communication

Russia is one of the key players in the major world industries, so learning the Russian language for business communication is a **smart investment in your future success**. During the program you will increase your business-related vocabulary, improve your writing skills and learn how to efficiently put those into practice during negotiations, presentations etc.

Apart from the intensive language study, you will develop understanding of the Russian business culture, work relationships and business practices in Russia, attitudes towards foreign partners and gender aspects.

**Entry requirements:** Russian language proficiency level not lower than A2.

**Target groups:** undergraduate or graduate students and young specialists interested in using the Russian language in professional life.

**Program dates:**

- Fall semester: 2-nd week of September – 2-nd week of October
- Spring semester: 2-nd week of February – 2-nd week of March.

**For the groups of over 7 persons** the program can be arranged in different dates upon preliminary request. Please contact the Program Coordinator.

**The program includes the following courses:**

- Russian Language for Business Communication, 4,5 ECTS
- Russian Business Culture: Russian Context, 1,5 ECTS (conducted in English language)

The program involves development of a team/ individual project.

**Special seasonal offer: Summer School of Russian Studies:**

- July: Russian Language for Business Communication, session 1 (3 weeks, 6 ECTS)
- August: Russian Language for Business Communication, session 2 (3 weeks, 6 ECTS)



## 3. RUSSIAN STUDIES (COURSES IN ENGLISH)

We offer a wide range of elective courses in the field of Russian Studies for those who would like to learn more about Russia, gain unique international experience and form personal understanding of the Russian culture and mentality.

**Courses available:** the students can choose up to 3 courses each semester from the following list:

History of the Russian Art; Russian History from Kievan Rus to the Revolution; Political Science (Contemporary Russian Life); Contemporary History of Russia : the Communist Phase; 19th Century Russian Literature; Contemporary Russian Literature.

**Terms:** we run 3 courses chosen by the majority of applicants. Minimal group size – 5 persons.

Elective courses can be combined with the Russian Language study or taken independently.

**Program duration:** from 1 month to 1 semester.

**Transferable credits:** you can earn up to 30 ECTS credits per semester.

## 4. RUSSIAN STUDIES (COURSES IN RUSSIAN)

The students are offered to take a number of elective courses in the field of Russian Studies conducted in Russian language to immerse into the Russian-speaking environment.

- **Courses available for the students with the level not lower than A1:** History of Russia, Geography of Russia, Russian Literature, Russian Civilization. **Session 1:** November – mid May, **session 2:** February – mid June.
- **Courses available for the students with the level not lower than B2:** Philosophy, History of Russia, Social Science, Economics, Cultural Studies, Intercultural Communication. **Session 1:** September – mid December, **session 2:** February – end of May.

*The courses can be combined with the Russian language study or taken independently.*

## 5. PROFESSIONAL DEVELOPMENT COURSES FOR INTERNATIONAL PHILOLOGY TEACHERS

The program is designed for Philology teachers both who have experience in teaching Russian as a foreign language and those ones who do not. You will be able to use acquired knowledge of varied teaching methods and skills to teach the Russian language. The program gives insights into majors teaching courses and methods, and speech difficulties in different regions.

**Program duration:** from 2 weeks to 1 month.

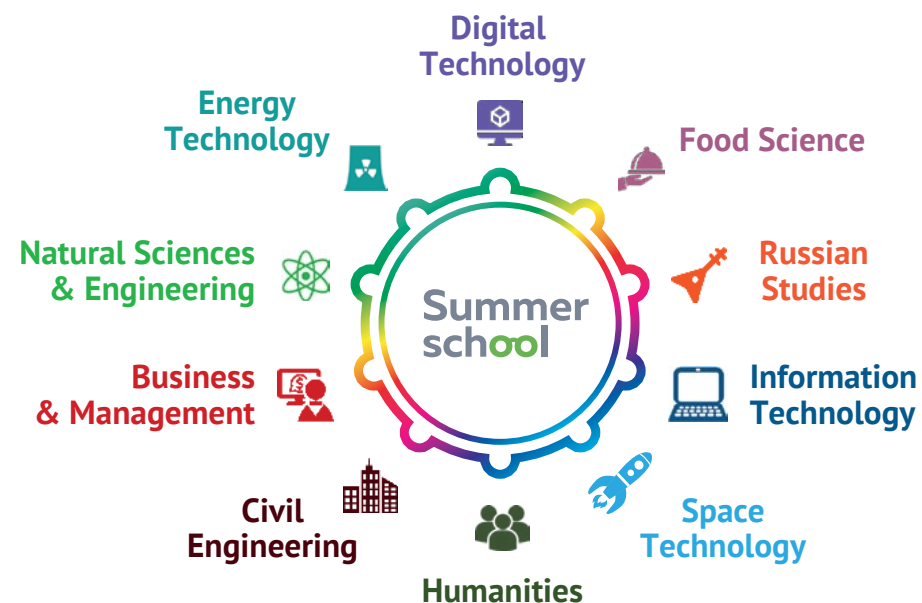


# SUMMER AND WINTER SCHOOLS



**International Polytechnic Summer and Winter Schools** offers invaluable insights into a wide range of courses in engineering, natural sciences, space technology, digital technology, IT, civil engineering, energy, management, as well as Russian studies.

The university runs about 45 high-quality academic credit-bearing summer and winter school modules in English for international students. Every summer we host about **1000** students who come to us from more than **60** overseas countries.



Our English-speaking tutors take care of our guests starting from the airport throughout the whole staying in St. Petersburg.

Here, you can explore outstanding studies with star professors from over the globe and a huge campus that is located 15 minutes far from the city center by metro, take part in our cultural program and get fun and remarkable experience in our fabulous city!

# EXCHANGE PROGRAMS

Peter the Great St.Petersburg Polytechnic University welcomes students from all over the globe to participate in semester **exchange programs** in English. You will gain a number of attractive benefits such as: valuable international experience and cross-cultural communication, knowledge and practical skills development, foreign language practice boost.

Exchange programs are integrated in educational process, developed according to the European requirements and can be recognized abroad.

<b>Requirements:</b>	good command of English
<b>Credits:</b>	30 ECTS per semester
<b>Application Deadline:</b>	15th May for Autumn semester / 15th October for Spring Semester

Our **exchange programs** offer students an amazing opportunity to study at SPbPU in friendly environment during a semester, year or shorter period, giving our students access to modern laboratories, experienced professors and fabulous student life! Enlarge your knowledge and practical skills with SPbPU!

## Advantages:

- Available for Bachelor and Master students (from partner universities)
- Study options: 1 or 2 semesters
- Free course "Russian for foreigners" (all levels, 5 credits)
- Language of instruction: English and/or Russian
- Students can choose any courses within 1 Institute
- Studying in international groups
- Reasonable living costs
- Travelling within Russia and to neighboring countries
- Doing internship/research

We're happy to host exchange students and run welcome weeks for your convenience every semester: city and campus tours, orientation meetings, team-building games and tea parties to let our student know each other. It is also possible to prolong exchange studies for 1 more semester.





# INTERNSHIPS AND TAILOR-MADE PROGRAMS

SPbPU provides an opportunity to go through an internship, which is an effective way to connect your **academic experience** with the **professional work** arena. It allows you to gain valuable exposure to the workplace, provides the opportunity for skill development, and gives you a competitive edge in the job search. Your internship will be filled with **cool experiences** and **learning opportunities**.

Internships are offered in the fall and spring semesters, and in summer time as well.

Future interns must be currently enrolled in a degree program at the time of application.

In providing **tailor-made programs** we partner with our clients. Programs are normally designed to address priority

development issues of our clients. Often they include multidisciplinary input also from line management, blended learning and action learning through **strategically important projects**.



# SECONDARY VOCATIONAL EDUCATION

**Institute of Secondary Vocational Education** offers secondary vocational education in the following areas of expertise:

Name of the program	Full-time education	Distance learning
Computer Systems and Complexes	✓	
Programming in Computer Systems	✓	✓
Information Systems	✓	
Electric Stations, Networks and systems	✓	✓
Installation and Maintenance of Compressor-Based Cooling Machines and Equipment	✓	✓
Metrology	✓	
Dairy Products Engineering	✓	✓
Meat Processing Technologies	✓	✓
Food Service Technologies	✓	✓
Catering Management	✓	✓
Economics and Accounting	✓	✓
Commerce	✓	✓
Inventory Management, Quality Control and Inspection of Consumer Goods	✓	
Tourism	✓	
Hotel Industry	✓	✓

**Applicants are required to submit the following documents:**

- basic education certificate (diploma, certificate, etc.)
- transcript of records (if available)
- certified translation of certificates and transcripts
- passport copy
- visa or any document confirming the legal status of an owner in Russia.

**Application start:** June, 01

**Application deadlines:** for full-time education – August, 25; for correspondence form of education – September, 25.



# STUDENT LIFE AND ACCOMMODATION



Student life at the Polytechnic University - like in the City of St. Petersburg itself - is friendly, enriched with multiple interesting possibilities, and can be quite enjoyable. Large number of local and international students with a wide variety backgrounds and with widely varying interests, ensure that there is always something going on, socially, at the University.

The Polytechnic University is based on a compact park-like campus in the residential north-west district of St. Petersburg. A greater part of the campus is a large park with large number of university buildings scattered around it.

The students, faculty, and staff of the Polytechnic University have a very busy life: they pursue a great number of activities varying from social welfare charities to professional and amateur sport contests. They have ample opportunities to participate in exciting events and creative projects, to meet interesting people from different countries, and to gain new experiences and hobbies.

SPbPU hosts such events as the 'Russian Language Day', 'Pushkin Day', 'Let's Get Acquainted', 'Happy New

Year', 'The Golden Autumn' Festival etc. Above all, these festivities target international undergraduates and aim to facilitate their integration into the student life of our University.

In addition, international students can enjoy a rich cultural experience. They have a wonderful opportunity to familiarize themselves with the history and cultural landmarks of Saint Petersburg, one of the most picturesque cities in Russia and Europe. Students have an abundant choice of guided tours of the city and its beautiful suburbs.

The Polytechnic University is a large community - it provides a wide range of social, cultural, recreational and up-to-date on-campus facilities for its students and staff. These are available for all those who would wish to indulge in corporate life of the University in accordance with their personal concerns. Be it sports, music, dancing, acting, or whatever - you can find facilities and people to share your interests. Those who take part in corporate life derive great benefit from it while in the University and in later years: friendships made on this friendly campus can last a lifetime.



One of the largest libraries in St. Petersburg



White Concert Hall



History and Technology Museum



SPbPU Student club and student's communities



Student theater "Glagol"



University Accommodation Complex (consists of 23 Dormitories)



A health center for the University and an outpatients clinic for students



Modern sports center

**It includes:**

- a swimming pool
- indoors basketball and volleyball courts
- boxing and fighting gyms
- a gymnasium
- a skiing center
- a climbing wall
- a weightlifting gym
- a stadium with 2 football pitches, a hockey pitch, a tennis court, gymnastics facilities
- a training center in the small town of Kavgolovo, not far from St. Petersburg
- a room for sports health-care, massage and auto-training
- laboratories for medical check-ups
- a valeology center and a rehabilitation center for students with medical conditions



Sports camps of SPbPU located in the suburbs of St. Petersburg



Two detached recreation centers



Canteens and cafes

Over 7000 students from other cities and countries live in dormitories of SPbPU campus. All dormitories are situated not far from the academic buildings of the university and underground stations. The campus is divided in 3 areas of dormitories: "Lesnoy prospect",

"Ploshchad Muzhestva" and "Grazhdansky prospect". Generally foreign university students live in two-room fully-accommodated living blocks in dormitory within the area "Grazhdansky prospect" and in the new dormitory №8 within the area of "Ploshchad Muzhestva".





# CONTACTS

Name of the program	E-mail	Telephone
University Foundation Program	interadmission@spbstu.ru	+7 (812) 606-62-41
<b>Degree Programs in Russian and in English:</b>		
<ul style="list-style-type: none"><li>• Bachelor's Degree Programs</li><li>• Master's Degree Programs</li><li>• International Bachelor's Degree</li><li>• International Master's Degree</li><li>• PhD Degree Programs in Russian</li></ul>	interadmission@spbstu.ru	+7 (812) 606-62-41
<b>Short Term Programs:</b>		
• Russian Studies & Russian Language	tatianakov@spbstu.ru	+7 (812) 606-62-34
• Summer and Winter Schools	summerschool@spbstu.ru	+7 (812) 534-25-31
• Exchange Programs	mobility@spbstu.ru	+7 (812) 324-06-40
• Internships		
• Tailor-made Programs	intprogram@spbstu.ru	+7 (812) 534-25-31
<b>Secondary Vocational Education</b>	interadmission@spbstu.ru	+7 (812) 606-62-41

**Peter the Great St. Petersburg Polytechnic University**

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