DOUBLE DEGREE PROGRAMS

POLYTECH
Peter the Great
St.Petersburg Polytechnic
University

We have developed Double Degree Programs
in cooperation with leading universities
from all over the world to explore
new opportunities and gain double success

PARTNER UNIVERSITIES

Saimaa University of Applied Sciences

MAMK University of Applied Sciences

b-tu Brandenburg University of Technology Cottbus - Senftenberg

Lappeenranta University of Technology

CITY UNIVERSITY LONDON

Leibniz Universität Hannover

ESB BUSINESS SCHOOL REUTLINGEN UNIVERSITY

Technische Universität Berlin

VU UNIVERSITY AMSTERDAM

MINES Albi-Carmaux

HARBIN ENGINEERING UNIVERSITY

Universität Stuttgart

Technische Hochschule Wildau Technical University of Applied Sciences
WILDAU

VUB VRIJE UNIVERSITEIT BRUSSEL

INTERNATIONAL DOUBLE DEGREE PROGRAMS

Peter the Great St.Petersburg Polytechnic University has a long-standing and successful history over 100 years where a great deal of important discoveries and inventions have been made. We've been welcoming international students and professors so far to achieve global exchange of brilliant people and smart ideas.

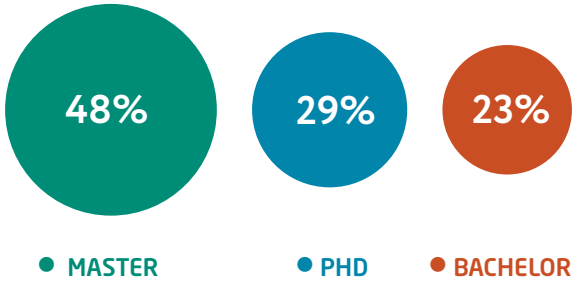
To prove the title of a true 'cosmopolitan university' we launched a wide range of international educational programs and cutting edge projects, expanded international and English-speaking faculty, increased enormously a number of outbound and inbound talented students.

Our 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. As an outcome a student may graduate with 2 degrees simultaneously once he or she has fulfilled the requirements of both universities. With comprehensive knowledge and practical skills acquired our students become highly competitive on the global market!

ADVANTAGES OF DOING DOUBLE DEGREE:

- Gaining 2 degrees at a shorter time
- Versatile and comprehensive knowledge
- Broadened career possibilities
- Improving foreign language skills
- Valuable life skills while studying abroad

DOUBLE DEGREE PROGRAMS



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BACHELOR'S DEGREE

BSc

INDUSTRIAL MANAGEMENT

PARTNER UNIVERSITY: Technical University of Applied Sciences Wildau (Germany)

DOUBLE DEGREE AWARDS:

- SPbPU diploma — Bachelor of Management
- TUAS Wildau diploma — Bachelor of Engineering

MODE OF STUDY: full-time

COURSE DURATION: 4 years — 6 semesters at SPbPU + 2 semesters at a partner university

PROGRAM OUTLINE: Education in the area of industrial management with both technical and business modules allows our graduates to solve technical problems as well as business ones. The program allows integrating people and materials in the most efficient ways.

ENTRY REQUIREMENTS: School certificate, written exam

EXTRA REQUIREMENTS (FOR A PARTNER UNIVERSITY): TestDaf certificate

CAREER OPPORTUNITIES: Our graduates will be able to develop business solutions based on technical knowledge. Many Industrial Management graduates begin their careers participating in corporate development projects, where they gain additional business and technical knowledge. Others start their careers as production supervisors, operations analysts, logistics managers or software business analysts.

INTERNATIONAL ECONOMICS: INTERNATIONAL TRADING

BSc

PARTNER UNIVERSITY: Shenyang Polytechnic University (China)

DOUBLE DEGREE AWARDS:

- SPbPU diploma — Bachelor of Economics
- Shenyang Polytechnic University diploma — Bachelor of Management

MODE OF STUDY: full-time

COURSE DURATION: 4 years: 4 semesters at SPbPU + 4 semesters at a partner university

PROGRAM OUTLINE: This course is an introduction to the theory of international trade and finance with applications to current policy issues. The course covers basic tools to understand what determines the flow of goods across countries, i.e. international trade, and what determines the flow of savings and investments from one country to another.

GENERAL MODULES: Microeconomic, International Marketing, International Economics and Finance, Theory and Policy of International Trade.

ENTRY REQUIREMENTS: School certificate, written exam

EXTRA REQUIREMENTS (FOR A PARTNER UNIVERSITY): written exam, high-level knowledge of Chinese

CAREER OPPORTUNITIES: The knowledge of international trade and economic policy will help to position our students for a junior management or analyst roles within government and organizations involved with international trade and development. Besides, our graduates have an opportunity for continuing studies at Master's level.

BSc

INTERNATIONAL TRADING

PARTNER UNIVERSITY: Jiangsu University (China)

DOUBLE DEGREE AWARDS:

- SPbPU diploma — Bachelor of Economics
- Jiangsu University — Bachelor of International Trading

MODE OF STUDY: full-time

COURSE DURATION: 4 years: 4 semesters at SPbPU + 4 semesters at a partner university

PROGRAM OUTLINE: The program gives insights in foreign import and export industries and the global economy. Our program prepares our students for a global career and provides knowledge and skills to asses major trade issues, draft policy documents and negotiate for government, international organization or corporate sector. The program contributes to exploring economic and commercial decision making, current and future trade issues and developments.

GENERAL MODULES: Microeconomics, International Marketing, International Economics and Finance, International Trade and Practices, Theory and Policy of International Trade.

ENTRY REQUIREMENTS: School certificate, written exam

EXTRA REQUIREMENTS (FOR A PARTNER UNIVERSITY): written exam, high-level knowledge of Chinese

CAREER OPPORTUNITIES: Our graduates will be able to apply their knowledge and skills in a variety of fields such as Import-Export, International Sales and Marketing, Purchasing, Supply Chain Management. The main focus is on the Russian-Chinese joint ventures.

INTERNATIONAL MANAGEMENT IN TOURISM

BSc

PARTNER UNIVERSITY: Mikkeli Universities of Applied Sciences (Finland)

DOUBLE DEGREE AWARDS:

- SPbPU diploma — Bachelor of Management
- MAMK diploma — Bachelor of Hospitality Management

MODE OF STUDY: full-time

COURSE DURATION: 4 years — 6 semesters at SPbPU + 2 semesters at a partner university

PROGRAM OUTLINE: The program is aimed at the training of graduates equipped with professional competences in the tourism business and acquainted with the international practices of tourism management. The curriculum is also focused on the acquisition of analytical skills and the development of creativity in this highly competitive sphere of entrepreneurship. The program also emphasizes internationality, entrepreneurship and taking advantage of technology and digital solutions in tourism and hospitality.

ENTRY REQUIREMENTS: School certificate, written exam

EXTRA REQUIREMENTS (FOR A PARTNER UNIVERSITY): good performance through 3 years of studies and high English language proficiency

CAREER OPPORTUNITIES: The graduates of this program are trained to work in international tourism companies, international hotel and hospitality chains, branches of Russian companies abroad, and in joint ventures.

BSc

CIVIL AND CONSTRUCTION ENGINEERING

PARTNER UNIVERSITY: Saimaa University of Applied Sciences

DOUBLE DEGREE AWARDS:

- SPbPU diploma — BSc in Civil Engineering
- Saimaa UAS diploma — BSc in Civil Engineering

MODE OF STUDY: full-time

COURSE DURATION: 4 years — 3 years at SPbPU + 1 year at a partner university

PROGRAM OUTLINE: The program is designed to provide knowledge of basic engineering drawing techniques, office standards and practices, dimensioning, use of relevant software, plane surveying and give insights into general principles of mechanics, structural analysis and other related construction. The main objective is to train students to be ready for solid start of an engineering career.

ENTRY REQUIREMENTS TO BE ENROLLED: High School Diploma and transcript of records / State Exam Tests in Maths, Russian language and Physics.

EXTRA REQUIREMENTS (FOR A PARTNER UNIVERSITY): good performance through 3 years of studies and high English language proficiency. To pass English language test.

CAREER OPPORTUNITIES: With the knowledge and practical skills acquired by completion of the course many graduates can start their engineering career in international companies or continue studies to get Master's degree in Civil Engineering.

ENVIRONMENTAL ENGINEERING

BSc

PARTNER UNIVERSITY: Mikkeli University of Applied Sciences (Finland)

DOUBLE DEGREE AWARDS:

- SPbPU diploma — BSc in Environmental Engineering
- MAMK diploma — Bachelor of Engineering

MODE OF STUDY: full-time

COURSE DURATION: 4 years — 3 years at SPbPU + 1 year at a partner university

PROGRAM OUTLINE: The program is focused on the knowledge of sustainable development and technical possibilities to protect environment using best world known practices. The goal of environmental engineering is to ensure that the use of water, land and air resources are sustainable. Besides, the program gives insight into international business environment. The studies include professional studies, practical training and a bachelor's thesis. On top of that, students are provided with the knowledge of high-tech tools such as computer aided design (CAD), geographical information systems (GIS) and 3-D computer modelling.

ENTRY REQUIREMENTS TO BE ENROLLED: High School Diploma and transcript of records / State Exam Tests in Maths, Russian language and Physics.

EXTRA REQUIREMENTS (FOR A PARTNER UNIVERSITY): good performance through 3 years of studies and high English language proficiency. To pass English language test.

CAREER OPPORTUNITIES: Demand for environmental engineers is growing faster as real-life concerns about nature are getting more important and vital for a global society. Graduates will be able to start their engineering career in international companies or continue studies to get Master's degree in Environmental Engineering.

BSc

BUILDING SERVICES ENGINEERING

PARTNER UNIVERSITY: Mikkeli University of Applied Sciences (Finland)

DOUBLE DEGREE AWARDS:

- SPbPU diploma — BSc in Building Engineering
- MAMK diploma — Bachelor of Engineering

MODE OF STUDY: full-time

COURSE DURATION: 4 years — 3 years at SPbPU + 1 year at a partner university

PROGRAM OUTLINE: The main objective of the program is to train engineers with the knowledge of modern technologies and practical skills able to develop and manage efficient and technologically advanced buildings and other construction projects. On top of that, the program is featured with training students how to solve different problems with HVAC engineering (heating, ventilation and air conditioning). The studies include professional studies, practical training and a bachelor's thesis.

ENTRY REQUIREMENTS TO BE ENROLLED: High School Diploma and transcript of records / State Exam Tests in Maths, Russian language and Physics.

EXTRA REQUIREMENTS (FOR A PARTNER UNIVERSITY): good performance through 3 years of studies and high English language proficiency. To pass English language test.

CAREER OPPORTUNITIES: Our students will acquire the skills and knowledge necessary to develop a career as a building engineer for a wide range of different organisations, including local authorities, contractors, consultancies and commercial companies. Those ones who would like to go deeper into building engineering may continue their studies at Master's level.

MASTER'S DEGREE

MSc

PROCESSING TECHNOLOGIES OF MATERIALS

PARTNER UNIVERSITY: Brandenburg University of Technology Cottbus-Senftenberg (Germany)

DOUBLE DEGREE AWARDS:

- SPbPU diploma — Master of Science (MSc)
- BTU diploma — Master of Science (MSc)

MODE OF STUDY: full-time

COURSE DURATION: 2 years — 2 semesters at SPbPU + 2 semesters at a partner university

PROGRAM OUTLINE: The program is focused on accumulating practical skills in material science and engineering. The program also contributes to enriching previous skills with the help of unique equipment and modern analysis methods. Professional skills are taught alongside the real and virtual process chain — primary forming, forming, joining, heat treatment and simulation. Our students will have an opportunity to practice in different universities and industrial laboratories.

The program is accredited and certified by the international agency "Accreditation, Certification and Quality Assurance Institute — ACQUIN".

ENTRY REQUIREMENTS: Bachelor's, Specialist's or Master's degree in engineering is required / German language proficiency / Exam Test in a relevant field of studies / Interview with a program coordinator

EXTRA REQUIREMENTS (FOR A PARTNER UNIVERSITY): High level of the German language proficiency

CAREER OPPORTUNITIES: Our students are trained to become highly qualified engineers with a prospective to work in European companies with offices in Russia and in Russian companies based in the EU. Graduates can expect positions of responsibility with interdisciplinary collaboration and project management tasks in Europe and Asia as well. There is also an excellent possibility of a subsequent doctoral degree.

FINANCIAL MANAGEMENT IN INTERNATIONAL COMPANIES

MSc

PARTNER UNIVERSITY: Jiangsu University (China)

DOUBLE DEGREE AWARDS:

- SPbPU diploma — MSc in Economics
- Jiangsu University diploma — MSc in Economics

MODE OF STUDY: part-time, 2 days a week

COURSE DURATION: 2 years — 2 semesters at SPbPU + 2 semesters at a partner university

PROGRAM OUTLINE: The program focuses on the different aspects of financial management in an international business environment. The students will learn how to analyze an organization's financial performance and ensure good financial health.

ENTRY REQUIREMENTS: Bachelor's, Specialist's or Master's degree in a relevant area is required

EXTRA REQUIREMENTS (FOR A PARTNER UNIVERSITY): written exam, high-level knowledge of Chinese

CAREER OPPORTUNITIES: Our graduates will be able to work in international companies in financial departments with perspective possibilities to gain their managerial positions in the Russian-Chinese joint ventures. With the knowledge of business risk management finance and best financial strategies practices our students will have no difficulties in getting their jobs. There is also an option to proceed with studies for PhD.

MSc

INTERNATIONAL MANAGEMENT

PARTNER UNIVERSITY: Technical University of Applied Sciences Wildau (Germany)

TRILATERAL DEGREE AWARDS:

- SPbPU diploma — Master of Management of profile "International Management"
- TUAS Wildau diploma — Master of Arts, degree program "European Management"

MODE OF STUDY: full-time

COURSE DURATION: 2 years — 2 semesters at SPbPU + 2 semesters at a partner university

PROGRAM OUTLINE: Study process of this program will provide the knowledge and skills that will enable graduates to effectively perform the tasks of their professional activity on the organization of the various departments of companies in the international markets, to develop and implement management decisions in the context of the current economic situation, to form a new scientific, methodological and organizational database of management activities of the organization in terms of the integration of innovation and business development.

ENTRY REQUIREMENTS: Certificate of Bachelor's degree / Level of English — upper intermediate / Passage of the interview (personal or by Skype) / Management exam (for foreigners)

CAREER OPPORTUNITIES: Our graduates will be able to work in large international companies in different fields of industry and get managerial positions from international sales and marketing to entrepreneurial or governmental professions, as well as having possibility to create their own business not only in Russian market, but also at the Germany and Europe areas.

ENERGY TECHNOLOGY

MSc

PARTNER UNIVERSITY: Lappeenranta University of Technology (Finland) and Leibniz Universität Hannover (Germany)

TRILATERAL DEGREE AWARDS:

- SPbPU Diploma — MSc in Technology (Power Plant Engineering)
- LUT Diploma — MSc in Technology (Energy Technology)
- LUH Diploma — MSc in Technology (Energietechnik)

MODE OF STUDY: full-time

COURSE DURATION: 2 years — 1st semester at LUT + 2nd semester at SPbPU + 3rd semester at LUH + 4th semester at home university

PROGRAM OUTLINE: The program is designed to give our students an opportunity to develop the knowledge, skills and abilities that will facilitate professional growth in the field of energy technologies. It is aimed to train students in emerging areas of energy research with the potential for a high technological or social impact. The course trains highly qualified professionals able to solve complex engineering and management challenges in a global energy sector. With us, our students will gain the knowledge about modern energy systems, innovation technologies, and state-of-the-art energy equipment and its operation.

ENTRY REQUIREMENTS: Bachelor's, Specialist's or Master's degree in a relevant area is required / English language proficiency — B+ (CEFR B2) / Exam Test in a relevant field of studies / Interview in English with a program coordinator (Skype option is available)

EXTRA REQUIREMENTS (FOR A PARTNER UNIVERSITY): English language proficiency: IELTS Certificate (6.0) or TOEFL (80 iBT or 550) or CAE either CPE (grade A, B, or C)

Minimum of final mark of the Bachelor degree: in Finland — 3.0; in Germany — 2.7; in Russia — 4.6

CAREER OPPORTUNITIES: The program prepares students to go on to careers as professional and experts in the rapidly developing, multidisciplinary area of energy and the environment, or to continue their studies in doctoral programs. Besides having trilateral degree could be a significant advantage while applying for a job at a sustainable international company.

MSc

ELECTRICAL POWER ENGINEERING

PARTNER UNIVERSITY: Brandenburg University of Technology Cottbus-Senftenberg (Germany)

DOUBLE DEGREE AWARDS:

- SPbPU diploma — MSc in Electrical Power engineering
- BTU diploma — MSc in Electrical Power engineering

MODE OF STUDY: full-time

COURSE DURATION: 2 years — 2 semesters at SPbPU + 2 semesters at a partner university

PROGRAM OUTLINE: The program is designed to provide comprehensive knowledge and practical skills to become a true specialist with high-level of leadership, analytical, multi engineering and management skills in the field of electro-energetic nets and equipment. It is a practice-oriented course with the focus on B2B segment and research activities. The course is aimed at providing business professionals and managers with the ability to apply their knowledge, skills and creativity to electro-energy technology to meet the demands of this globalized, boundless world.

ENTRY REQUIREMENTS: Bachelor's, Specialist's or Master's degree in a relevant area is required / English language proficiency — B+ (CEFR B2) / Exam Test in a relevant field of studies / Interview in English with a program coordinator (Skype option is available)

EXTRA REQUIREMENTS (FOR A PARTNER UNIVERSITY): IELTS Certificate (7.5)

CAREER OPPORTUNITIES: With the knowledge acquired our graduates will be in high demand for the positions of electrical engineers looking after the design of a particular range of electrical equipment or developing a new facility design. Going for further education and getting PhD is another alternative for self-development.

POWER PLANT ENGINEERING

MSc

PARTNER UNIVERSITY: Lappeenranta University of Technology (Finland)

TRILATERAL DEGREE AWARDS:

- SPbPU diploma — MSc in Power Plant Engineering
- LUT diploma — MSc in Technology (Energy technology)

MODE OF STUDY: full-time

COURSE DURATION: 2 years: 1st year at SPbPU + 2nd year at LUT or 1st year at SPbPU + 3rd semester at LUT + 4th semester at SPbPU — Master Thesis preparation with supervision of professors from both sides

PROGRAM OUTLINE: The Master's degree program is aimed at the development of Master's students personal qualities, general cultural and general professional competences, as well as the formation of professional skills required for highly qualified specialists solving problems in the field of design, installation and operation of energy objects (Thermal power plants) and enabling graduates to work in the academic, scientific and professional field.

Upon graduation participants will become proficient in the field of modern energy sector. Our graduates of "Power Plant Engineering" Master's degree program are highly-trained professional engineers able to inform analysis, evaluation and implementation of the state-of-the-art technical solutions aimed at improving the energy efficiency of power plants. Our graduates develop practical skills and professional competences in the design and operation of power plants, including construction, commissioning, start-up and management; and the capability to simulate and analyze the operation of power plants with the use of up-to-date sophisticated software.

ENTRY REQUIREMENTS: Candidates are required to hold a Bachelor's degree in Energy Technology, Mechanical Engineering, Power Engineering, Electrical Engineering or an equivalent degree according to the educational system of the country they represent, all applicants should demonstrate English language proficiency at B+ level.

EXTRA REQUIREMENTS (FOR A PARTNER UNIVERSITY): Applicant should have a language test with the minimum score required: Academic TOEFL 65 iBT or 513 PBT, Academic IELTS 5.5, PTE Academic 46, Cambridge CAE or CPE level C.

CAREER OPPORTUNITIES: Graduates of the program can be employed at the thermal and nuclear power plants, boiler-houses, maintenance organizations of district heating system, design organizations, enterprises of power engineering complex, and can continue their education in universities.

MSc

GLOBAL MANAGEMENT OF INNOVATIONS AND TECHNOLOGIES

PARTNER UNIVERSITY: Lappeenranta University of Technology (Finland)

DOUBLE DEGREE AWARDS:

- SPbPU diploma — MSc in Technology
- LUT diploma — MSc in Technology

MODE OF STUDY: full-time

COURSE DURATION: 2 years — 2 semesters at SPbPU + 2 semesters at a partner university

PROGRAM OUTLINE: The program is designed for students who are willing to get managerial positions in industrial and technology-based companies. The two-year program offers a wide variety of perspectives into management of innovations and technology in an international environment that is based on the combination of business, engineering and management.

ENTRY REQUIREMENTS TO BE ENROLLED: An appropriate Bachelor´s degree or an equivalent qualification / High English language proficiency.

EXTRA REQUIREMENTS (FOR A PARTNER UNIVERSITY): Accepted language tests and their minimum scores: Academic TOEFL (80 iBT/550 PBT), Academic IELTS (6.0), PTE Academic (54), CAE or CPE (level A, B or C).

CAREER OPPORTUNITIES: There is always a need for skilful experts with international outlook and knowledge of management of innovations and new technologies in today's global business. Our graduates may get a position in multinational enterprises and new innovative companies as export managers, key account managers, managers of logistics, controllers, analysts, business application specialists, operative purchasers, technology innovation managers, etc. The studies also give graduates a firm basis for doctoral studies in the field of industrial management.

TECHNOLOGIES OF BUSINESS ENGINEERING

MSc

PARTNER UNIVERSITY: Lappeenranta University of Technology (Finland)

DOUBLE DEGREE AWARDS:

- SPbPU diploma — MSc in Business Informatics
- LUT diploma — MSc in Software Engineering

MODE OF STUDY: full-time

COURSE DURATION: 2 years — 2 semesters at SPbPU + 2 semesters at a partner university

PROGRAM OUTLINE: The program is aimed at training professionals in business management with a focus on ICT using advanced theoretical and practical achievements in the field of enterprise architecture, business process reengineering, project management, development, implementation and maintenance of information systems. All the subjects are taught in accordance with standards and technologies of enterprise management in Russia and worldwide.

ENTRY REQUIREMENTS: An appropriate Bachelor´s degree or an equivalent qualification / English language proficiency — B+ (CEFR B2) / Exam Test in a relevant field of studies / Interview in English with a program coordinator (Skype option is available)

EXTRA REQUIREMENTS (FOR A PARTNER UNIVERSITY): Accepted language tests and their minimum scores: Academic TOEFL (80 iBT/550 PBT), Academic IELTS (6.0), PTE Academic (54), CAE or CPE (level A, B or C).

CAREER OPPORTUNITIES: Having unique streamlined knowledge of how to manage innovative software projects or how to be efficient in running business using up-to-date information technologies make our students highly competitive on the global labour market. Besides, our students may continue their studies to get PhD.

MSc

MATERIALS AND STRUCTURES FOR EXTREME AND SPECIAL CONDITIONS

PARTNER UNIVERSITY: Lappeenranta University of Technology (Finland)

DOUBLE DEGREE AWARDS:

- SPbPU diploma — Master of Science in Technology (MSc)
- LUT diploma — Master of Science (MSc)

MODE OF STUDY: full-time

COURSE DURATION: 2 years — 2 semesters at SPbPU + 2 semesters at a partner university

PROGRAM OUTLINE: The key objective of the program is to train students to become experts with extensive scientific and practical knowledge how to deal with materials and structures under extreme conditions using advanced technologies. Our students will get pertinent knowledge of additive manufacturing and materials processing, design methodologies and FE-analysis as well.

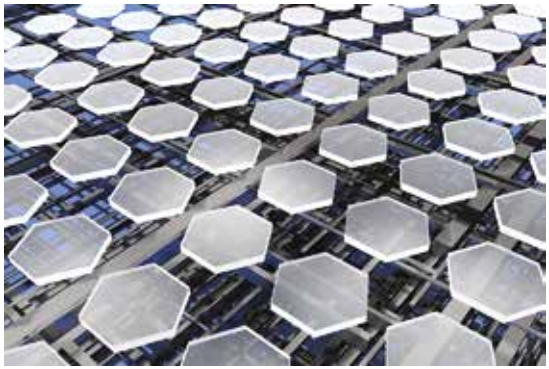
ENTRY REQUIREMENTS: An appropriate Bachelor´s degree or an equivalent qualification / English language proficiency — B+ (CEFR B2) / Exam Test in a relevant field of studies / Interview in English with a program coordinator (Skype option is available)

EXTRA REQUIREMENTS (FOR A PARTNER UNIVERSITY): Accepted language tests and their minimum scores: Academic TOEFL (80 iBT/550 PBT), Academic IELTS (6.0), PTE Academic (54), CAE or CPE (level A, B or C).

CAREER OPPORTUNITIES: With the knowledge and practical skills acquired by completion of the course our graduates will be able to work for large international companies in R&D departments leading to top positions in sustainable companies , and continue studies for a PhD.

PHOTONICS AND NANOELECTRONICS

MSc



PARTNER UNIVERSITY: Lappeenranta University of Technology (Finland)

DOUBLE DEGREE AWARDS:

- SPbPU diploma — MSc in Electronics and Nanoelectronics
- LUT diploma — MSc in Technology (Computational Engineering and Technical Physics)

MODE OF STUDY: full-time

COURSE DURATION: 2 years — 2 semesters at SPbPU + 3rd semester at LUT (optional) + 4th semester at home university

PROGRAM OUTLINE: Photonics and Nanoelectronics are the disciplines that will play a key role in the technology development of the future. The Program MSc Photonics and Nanoelectronics is designed to give students a comprehensive knowledge of the state of the art in experimental techniques and theoretical methods in this area. Major activities are based around modern optics, electronics, laser development, semiconductor physics, and materials technology.

ENTRY REQUIREMENTS: Bachelor's, Specialist's or Master's degree in a relevant area is required / English language proficiency / Exam Test in a relevant field of studies / Interview in English with a program coordinator

EXTRA REQUIREMENTS (FOR A PARTNER UNIVERSITY): English language proficiency: IELTS Certificate (5.5) or TOEFL (65 iBT or 513 PBT) or CAE either CPE (grade C), or PTE Academic 46

Minimum of final mark of the Bachelor degree: in Finland — 3.0; in Russia — 4.0

CAREER OPPORTUNITIES: The Program Photonics and Nanoelectronics provides students with knowledge and skills required for the implementation of physical principles into electronic and photonic devices. Graduates of this course will have a qualification needed to apply their knowledge in a variety of research centers and international companies.

MSc

ENGINEERING

PARTNER UNIVERSITY: Ecole Nationale Superieure Des Mines D'Albi Carmaux

DOUBLE DEGREE AWARDS:

- SPbPU diploma — Master of Science in Engineering (MSc)
- Mines Albi — Master of Science in Engineering (MSc)

MODE OF STUDY: full-time

COURSE DURATION: 3 years — 2 semesters at SPbPU + 4 semesters at Mines Albi

PROGRAM OUTLINE: The program is tailored so students could obtain comprehensive and broad knowledge and practical skills engineering area of expertise. The program covers such spheres as industrial engineering, civil engineering, physics, material science, energy, information and communication technology, bio-health engineering, and etc.

ENTRY REQUIREMENTS: Bachelor's, Specialist's or Master's degree in a relevant area is required / English language proficiency / Exam Test in a relevant field of studies / Interview in English with a program coordinator

EXTRA REQUIREMENTS (FOR A PARTNER UNIVERSITY): French language proficiency (level B2) is required. "End of studies project" should be completed. 1 semester doing industrial placement is a must.

CAREER OPPORTUNITIES: With the profound knowledge obtained at both universities and after having practice in industry our graduates will be highly competitive on the international labour market. They can be employed for global companies in varied specific fields of engineering.

INTELLIGENT SYSTEMS

MSc

PARTNER UNIVERSITY: City University of London (UK), Leibniz Universität Hannover (Germany) and Lappeenranta University of Technology (Finland)

DOUBLE DEGREE AWARDS:

- SPbPU — MSc in Information Science and Computer Engineering
- City University London, UK — MSc Computers and Information Engineering OR
- Leibniz Universität Hannover — MSc in Mechatronics OR
- Lappeenranta University of Technology — MSc in Computational Engineering and Technical Physics, Intelligent Computing

MODE OF STUDY: full-time

COURSE DURATION: 2 years — 2 semesters at SPbPU + 2 semesters at a partner university

PROGRAM OUTLINE: The objective of the program is to prepare high qualified specialists with the knowledge of state-of-art and new trends of intelligent systems, information processing technologies and control systems, having pertinent skills how to apply learning outcomes.

IN PARTNERSHIP WITH CITY UNIVERSITY LONDON the program provides a unique experience in IT in the best traditions of the Russian and Britain scientific schools.

IN PARTNERSHIP WITH LEIBNIZ UNIVERSITÄT Hannover the program is focused on state-of-the-art and new trends of automation and intelligent robotics and skills in developing control systems and technologies.

IN PARTNERSHIP WITH LAPPEENRANTA UNIVERSITY OF TECHNOLOGY the program gives insights into computer graphics, digital imaging and intelligent computing.

EXTRA REQUIREMENTS (FOR A PARTNER UNIVERSITY):

- City University London, UK: IELTS Certificate (6.5)
- Leibniz Universität Hannover: Candidates' background in mechatronics, mechanical engineering, electrical engineering and information technologies would be an asset.
- Lappeenranta University of Technology: GPA for Bachelor applicants — at least 3.0
- Saint Petersburg Polytechnic University: GPA for SPbPU Bachelor applicants — at least 4.3

ENTRY REQUIREMENTS: At least Bachelor's Degree in a relevant area is required / High English language proficiency / Exam Test in a relevant field of studies / Interview in English with a program coordinator

CAREER OPPORTUNITIES: Our graduates will have great opportunities of to be employed in Russian and international engineering and automation companies as well as to continue their education in international PhD program.

MSc

INTERNATIONAL BUSINESS DEVELOPMENT

PARTNER UNIVERSITY: University of Applied Sciences Upper Austria (Austria)

OPTION OF DOUBLE DEGREE AWARDS:

- SPbPU diploma — MSc in Management (International Business Management)
- UAS Upper Austria diploma — Master of Arts (MA) in Global Sales and Marketing

MODE OF STUDY: full-time

COURSE DURATION: 2 years — 2 semesters at SPbPU + 2 semesters at a partner university

PROGRAM OUTLINE: The program is designed to provide comprehensive knowledge and practical skills to become true managers with high-level of leadership, analytical, cross-cultural and management skills in the field of international business. It is a practice-oriented course with the focus on B2B segment and research activities. The program is aimed at providing business professionals and managers with the ability to apply their knowledge, skills and creativity to meet the demands of this globalized, boundless world.

The program is accredited and certified by the international agency "Accreditation, Certification and Quality Assurance Institute — ACQUIN".

ENTRY REQUIREMENTS: Bachelor's, Specialist's or Master's degree in a relevant area is required / English language proficiency — B+ (CEFR B2) / Exam in a relevant field of studies / Interview in English with a program coordinator (Skype option is available)

EXTRA REQUIREMENTS (FOR A PARTNER UNIVERSITY): High-level of English

CAREER OPPORTUNITIES: With the knowledge and practical skills acquired by completion of the course many graduates can work for large international companies as managers in B2B segment, set up their own business with international focus, and continue to study for a PhD and become research experts.

INNOVATIVE ENTREPRENEURSHIP

MSc

PARTNER UNIVERSITY: Technical University of Berlin (Germany)

OPTION OF DOUBLE DEGREE AWARDS:

- SPbPU diploma — MSc in Management (Innovative Entrepreneurship)
- TUB diploma — MSc in Innovation Management and Entrepreneurship

MODE OF STUDY: full-time

COURSE DURATION: 2 years — 2 semesters at TUB + 2 at SPbPU

PROGRAM OUTLINE: Innovation and entrepreneurship always keep pace together in the context of any competitive environment in today's world. It is always a challenge for companies to invent new groundbreaking products, reshape their internal strategies and create value through different ways of thinking to become highly competitive on a certain market. The Master's program 'Innovative Entrepreneurship' is designed to teach how to overcome these challenges.

ENTRY REQUIREMENTS: Bachelor's, Specialist's or Master's degree in a relevant area is required / English language proficiency — B+ (CEFR B2) / Exam Test in a relevant field of studies / Interview in English with a program coordinator (Skype option is available)

EXTRA REQUIREMENTS (FOR A PARTNER UNIVERSITY): High-level of English

CAREER OPPORTUNITIES: With the knowledge and practical skills acquired by completion of the course many graduates can work for large international companies in the innovation department, set up their own business with international focus, and continue to study for a PhD and become research experts.

DOUBLE DEGREE PHD PROGRAMS

Joining international Double Degree PhD Programs one may take advantage of an excellent prospective to get international experience of joint scientific research and collaboration with overseas skilled researches and PhD candidates, work out and publish joint scientific works in prestigious pertinent journals, and get a PhD degree. For the last years SPbPU has been cooperating with a significant number of institutions and has been developing partnerships with leading overseas universities.

FOR THE PURPOSE OF SUSTAINING JOINT DOCTORAL PROGRAMS OUR UNIVERSITY HAS SIGNED FOUR COOPERATION AGREEMENTS WITH THE FOLLOWING PARTNER UNIVERSITIES:

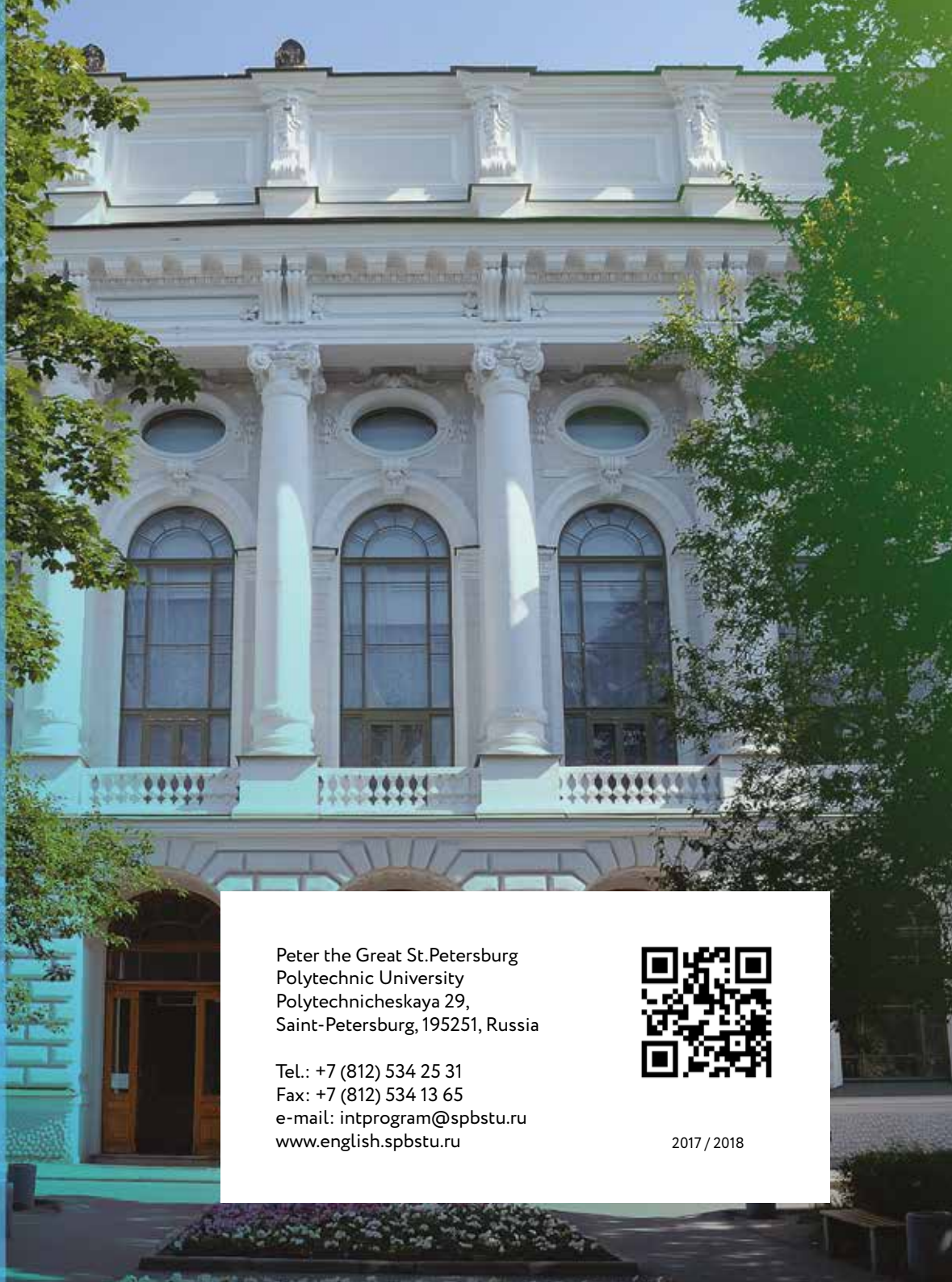
- Technical University of Berlin (Germany)
- Lappeenranta University of Technology (Finland)
- Brandenburg University of Technology in Cottbus (Germany)
- VU University Amsterdam (Netherlands)
- University of Stuttgart (Germany)
- Leibniz University of Hannover (Germany)
- Beijing University of Civil Engineering and Architecture (P.R. China)
- Harbin Engineering University (P.R. China)
- Vrije Universiteit Brussel (Belgium)

PARTICIPATION IN AN INTERNATIONAL PHD PROGRAM HAS DISTINCT FEATURES:

- A professor in a partner university who can be a co-tutor of a PhD thesis
- A plan of joint scientific work and publishing activity approved by both science tutors of a PhD candidate
- Mandatory period for a PhD candidate to have training at a partner university
- Transfer of credits acquired in a partner university
- A PhD candidate must have a high proficiency level of a foreign language

Joint thesis defense is conducted according to standards and terms specified in a Cooperation Agreement within the framework of Joint Doctorate and in an Attachment to the Agreement to be worked out for each PhD candidate individually.

WITH DOUBLE DEGREE ONE GAINS DOUBLE SUCCESS!



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