



POLYTECH

Peter the Great
St. Petersburg Polytechnic
University

ENGINEERING

DOUBLE DEGREE

ELECTRICAL ENGINEERING



PROGRAM NAME: Electrical Engineering

AWARD: SPbPU diploma – MSc in Electrical and Electrical Power Engineering;
Double Degree option: BTU diploma – MSc in Electrical Power Engineering

MODE OF STUDY: full-time

COURSE DURATION: 2 years: 3 semesters at SPbPU + 1 semester at partner university (optional).
Double Degree in cooperation with Brandenburg Technical University (2nd and 3rd semester).

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 global demands.

CURRICULUM (GENERAL MODULES):

MODULES	ECTS
General Scientific: History and Methodology of Science; Language (English, Russian); Scientific Discourse	10
Module of professional orientation: Electrical Power Systems; High Voltage Technologies; Electromagnetic Compatibility; Power Electronics; etc.	46
Project activity: Scientific and Research Work; Internship; Course projects; Master thesis	54
Optional courses: Human Resources Management; Career Adaptability; Energy Economics; Business Planning and Efficiency Evaluation of Innovative Projects, etc.	10
Total	120



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)

PARTNERS:

- Germany- Brandenburg Technical University (DD optional)
- Germany – Leibniz Universität Hannover
- Germany – RWTH Aachen University
- Slovakia – Technical University Kosice
- Finland – Lappeenranta University of Technology (DD optional)

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.

