



**POLYTECH**

Peter the Great  
St. Petersburg Polytechnic  
University

ENGINEERING

DOUBLE DEGREE

# ELECTRICAL ENGINEERING



**PROGRAM NAME:** Electrical Engineering

**AWARD:** SPbPU diploma – MSc in 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; and etc.	46
Project activity: Scientific and Research Work; Internship; Course projects; Master thesis	54
Optional courses: Financial Management; Engineering and Computer Graphics; Supply Chain Management; Production Management	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.

