

# International Polytechnic Summer School "Electrical Engineering"

圣彼得堡国立技术大学

所具有的等级和资质: **Internationally Recognized SPbPU Certificate with list of completed courses, grades and ECTS**

学习语言: **英语**

学习方式: **面授**

长度: **2/3 周**

免费学习的可能性: **没有**

费用: **43000 - 58000 RUR**

学院网站的方案页面:

<https://english.spbstu.ru/education/programs/short-term-programs/summer-school/energy-technology/electrical-engineering/>

方案保管人: **Ekaterina Sokolova**

电话: **+7 (812) 552-89-45**

E-mail: [energyschool@spbstu.ru](mailto:energyschool@spbstu.ru)

The program lectures cover general terms of power systems; basic concept of power system stability, electrical 3-phase system. Fundamental terms of short-circuit currents calculations are introduced. Temporary and surge overvoltages, reactive power compensation means and high voltage cable lines application issues are also considered. Additionally, the course focuses on load flow analysis methods, synchronous machines' excitation systems and automatic voltage regulators principles of operation and root causes of power system blackouts. Special attention will be paid to the topic Grid Integration of Renewable Energies and e-Mobility. Active teamwork in small groups on projects of the course will bring deeper understanding of the subject.

Program dates:

Arrival: July Jul 18 - 19, 2020

Classes & cultural activities: Jul 20 - Aug 07, 2020

Departure: Aug 08 - 09, 2020

Duration:

2 first weeks, 2 last weeks or 3 weeks of studies

ECTS credits: 5 / 4 for 3 / 2 weeks respectively

Deadline for registration:

- For students from EU, India & Iran: June, 29
- For the rest students, who need Russian visa: June, 01
- For the rest students, who don't need Russian visa: July, 01

本方案范围内专业化