

International Polytechnic Winter School "Power Electronics"

Peter the Great St. Petersburg Polytechnic University

Degree or qualification is awarded: **Certificate**

Language of study: **English**

Mode of study: **distance learning**

Duration: **2 weeks**

Availability of free education: **no**

Price: **20000 rubles**

Programme webpage at the university website:

<https://english.spbstu.ru/education/programs/short-term-programs/winter-school/power-electronics/>

Programme curator: **Department of International Educational Programs**

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The course examines the basic methods for calculating steady-state and transient processes in electrical circuits, their application to the most common electronic circuits in engineering practice, including amplifiers, rectifiers, stabilizers, triggers and other devices. Much attention is paid to microcontrollers, their architecture and design. Separate chapters are devoted to Code Generation and Project Launch, as well as working with the MATLAB and Simulink programs. The complex of test and individual tasks will allow you to master the practical skills of designing and calculating electronic circuits necessary for the implementation of professional activities. Duration: 2 weeks ECTS credits: 4.0 Participation fee: 20 000 Rubles Deadline for registration: January 01, 2021

Specializations within this programme