

Electrical Power Engineering

Peter the Great St. Petersburg Polytechnic University

Degree or qualification is awarded: **Bachelor of Electrical Power Engineering**

Language of study: **Russian**

Mode of study: **full-time, extramural**

Duration: **4 years**

Availability of free education: **yes**

Price: **210 200 - 219 600 rubles**

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Study of equipment operating principles, design and production of elements, devices and systems, responsible for this process; design, building and research.

Specializations within this programme

High-voltage engineering and physics

General energetics, indoor and outdoor equipment insulation, electric power systems, physical processes in gases, liquid and solid dielectrics, overvoltage of insulation, electromagnetic compatibility, engineering graphics.

Electrical power plants

Production, transmission, distribution, transformation and power implementation, energy management, design and production of elements, devices and systems responsible for these processes

Electrical Protective Relays and Automated Electrical Systems

Fundamental knowledge of electrical power engineering including design, production and technology

Power supply systems

Electrical power distribution system, optimization of power-system operation modes and their transition processes

Electro Mechanics

Development of construction elements and technological justification, use of information technologies for construction of electrical equipment and systems; electrical products and systems testing

Electrical equipment systems for enterprises, organisations and establishments

Issues of production, transmission, distribution, transformation, and implementation of electric power, power management design and production of devices, elements, and systems responsible for these processes