

Technical Physics

Peter the Great St. Petersburg Polytechnic University

Degree or qualification is awarded: **Master of Technical Physics**

Language of study: **Russian**

Mode of study: **full-time**

Duration: **2 years**

Availability of free education: **yes**

Price: **276 400 - 288 800 RUB per year**

Programme curator: **Mr. Denis Akhmetov**

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- Research and modeling of new physical phenomena and their patterns;
- Development, creation and implementation of new technologies, devices and multi-purpose materials in science-intensive fields of applied and technical physics;
- Issues of cellular, molecular, and submolecular medicine;
- Standard software-based calculation of thermophysical properties of technological equipment;
- Creation of mathematical models and software.

Specializations within this programme

Medical physics

Material science, physical and chemical phenomena and processes lying at the root of modern diagnostic and medical equipment, basics of medical and biological research, radiation effects of different kinds

Radio physics and electronics

Studies in mathematical and theoretical physics (mechanics, electrodynamics, quantum mechanics, statistical physics), electronics and circuit engineering