

Fundamental and Applied Physics

National Research Tomsk State University

Degree or qualification is awarded: **Master's degree**

Language of study: **Russian**

Mode of study: **full-time, distance learning**

Duration: **2 years**

Availability of free education: **no**

Price: **201 500 RUB per year**

Programme webpage at the university website: <http://ff.tsu.ru/node/1886>

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The program is designed to allow early exposure to specialized scientific fields of interest and to create “well-balanced” individuals with both professional knowledge and a general background. Applied Physics covers phenomena ranging from the infinitesimally small – subatomic particles – to the unimaginably large – the universe. Somewhere between these two, there is the reality of everyday life. Applied physics is about translating a deep understanding of the theoretical underpinnings of physics into concrete results to benefit society.

The Applied Physics Master's Program is designed to educate students to be able to stay at the forefront of fundamental understanding, and to develop practical applications.

Through basic training in mechanics, electromagnetism, thermodynamics, statistical mechanics and quantum mechanics, the physicist develops an inclination for a quantitative approach to the understanding of physical phenomena, a strong degree of abstraction and the search for common characteristics of universal problems. The most outstanding aspect of our Master's Program is the involvement of the students in the research laboratories or in the institute of theoretical physics.

Admission.

Admission to the program is carried out on a competitive basis following the results of admission tests: a written examination in Physics and an interview.

Specializations within this programme