

# Mathematics and Informatics for Teaching

National Research Tomsk State University

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

Language of study: **Russian**

Mode of study: **full-time**

Duration: **2 years**

Availability of free education: **no**

Price: **196 700 Rub per year**

Programme webpage at the university website: <http://tsu.ru/education/magistratura/>

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The present Master's programme is focused on training highly qualified mathematics teachers, who will be able to work at secondary and secondary special educational institutions.

## Programme contents

Along with core classes in History and Methodology of Mathematics, Modern Computer Technologies, English and others, this Master's programme includes the following subjects aimed to equip a student with necessary knowledge and skills: Advanced Mathematics, Methods for Solving Problems with Parameters, Solving of Non-standard Mathematical Problems, Elementary Probability Theory, Fundamentals of Mathematics, and other courses dedicated to modern trends in pedagogy: Modern Information Technology for Teaching of Mathematics, Methods for Teaching Mathematics and Computer Sciences, Pedagogy of Higher Education, Modern Innovative Practices and Technologies in Education, Modern Education: Subjects and Contexts of Development, Modern Management in an Educational Institution.

At the third grade the student should undergo pedagogical internship at a secondary school. According to the results of practical training and pre-diploma internship the students should defend Master's thesis.

## Career

The area of professional activity includes teaching at secondary and secondary-special educational institutions. Along with these students are trained for following professional activities:

- teaching;
- managerial;
- cultural.

The graduates can work as teachers, experts and analysts, researchers, state and municipal employees.

## Admissions

Only students with a higher educational diploma may submit application for this programme. The students shall be enrolled on a competitive basis according to the results of entrance examinations.

## Specializations within this programme