

Mechanics of Biocomposite Materials, Obtainment and Modeling of Their Structure and Properties

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: **201 500 RUB per year**

Programme webpage at the university website:

http://www.tsu.ru/education/magistratura/magisterskie_programmy.php

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This course covers topics related to fiber reinforced composites. Individual design project required of each student, resulting in a usable computer software.

This Master Program in materials technology will provide you with a unique competence in important aspects of composites manufacturing and design technologies. The education is strongly connected to companies such as Swerea SICOMP and ABB Composites who have announced a need for composite experts.

Topics Include:

- Stress, strain, and strength of composite laminates and honeycomb structures;
- Failure modes and failure criteria;
- Environmental effects;
- Manufacturing processes;
- Design of composite structures.

Russian partners of the program:

- Institute of Strength Physics and Materials Science SB RAS.
- International Center for Research in Physical Mesomechanics.
- Baltic Federal University I.Kant.

Foreign partners of the program:

- University of. G. Oma (Nuremberg, Germany).
- Institute of Ceramics Technology (Faenza, Italy).
- Cretan University (Greece).
- Conditions for admission

Admission to the program is carried out on a competitive basis following the results of the entrance examinations: an entrance examination on applied mechanics and an interview.

Specializations within this programme