



Irina Tumbusova

The Msc program provides necessary knowledge from production of details (including their 3D modelling and treatment by various methods) to non-destructive control of parts of constructions. Especially, I would like to emphasize that the major part of education process takes development of practical skills such as carrying out lab experiences and processing its results by yourself.



Luo Jiangkun

TPU is one of the best technical universities in Russia. The courses are organized scientifically and intelligently, and the courses focus on a combination of theory and practice. TPU has a strong faculty, with many well-known professors and experienced instructors. The time I spent studying and living at TPU left me with many good memories, this learning experience is an invaluable treasure in my life! I would gladly recommend others to study at TPU.



Erabdullah Bin Firoz

TPU is an excellent destination for students who want to experience a new culture and learn from top-notch faculty. The Master's in Material Science and Design provides students with advanced knowledge and skills. Students in this program are engaged in research and practical training. In fact, I am currently in the process of pursuing a PhD program, and I have found that the faculty and resources at TPU have been invaluable in helping me achieve my academic goals.



Studing

MATERIALS SCIENCE AND DESIGN

at Tomsk Polytechnic University

2023

HEAD OF THE PROGRAM

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Degree type:
MSc

Pace:
Full-time

Duration:
2 years

Teaching language:
English

Study type:
Online/Campus

Education cost:
270 000 rubles

THE MS DEGREE IN MATERIALS SCIENCE AT TPU

The program is focused on the fundamental physical and technical training of graduates to be successfully employed in different fields of research and development of materials and engineering. The Master's educational program include core courses in materials science, surface physics and chemistry for students to obtain special knowledge and skills according to Russian and international educational standards. Education deals with theoretical and practical study in the field of modern material science of nanomaterials, organic polymers, non-organic metals and ceramics to be applied in different industries to develop novel engineering structures and technologies, methods for investigation and testing of materials.

The program is implemented by the teaching staff of the department, the founder of which is academician Victor Panin, an outstanding scientist with a worldwide reputation.

WHAT WILL YOU STUDY?

- Nanostructured metal- and ceramic-based materials: technologies, structures, properties
- Modern method of structural analysis in materials science
- Computer simulation of materials and Technologies
- Modelling and simulation in material science and mechanical engineering
- Condition monitoring and reliability inspection of materials and parts
- Micro- and nanoscale polymer composite materials

10 REASONS TO STUDY AT TOMSK POLYTECHNIC UNIVERSITY

- ✓ The best engineering university in Russia
- ✓ Realization of scientific work under the leadership of scientists of the Russian Academy of Sciences
- ✓ Opportunity of scientific advisor choice
- ✓ Adaptation program for foreign students
- ✓ A chance to study Russian language
- ✓ Cosmopolitan campus
- ✓ Active social life
- ✓ Well-developed infrastructure
- ✓ The best ratio of cost and quality of education
- ✓ TPU is an university with a rich history and traditions

CAREER OPPORTUNITIES

- researcher in the field of development of novel materials for different applications
- technologist for manufacturing of materials with specified properties
- specialist for diagnostics of loaded structures and machinery
- teaching in the field of material science and computer simulation of materials

