ABOUT MIPT

Moscow Institute of Physics and Technology (MIPT) is the leading technical university in the country, which is included in prestigious rankings of the best universities in the world. We have educational programs in the fields of fundamental and applied physics, mathematics, computer science, chemistry, biology, computer technologies and other natural and fundamental sciences. Today MIPT is the advanced research center. World-leading scientists are engaged in the issues of applied and fundamental physics, nano-optics, quantum computing, aging and age-related diseases, photonics and many others.

OUR MISSION

MIPT’s mission is to train leaders in science and technology, who are capable to solve key scientific and technical problems, and who will determine the success of the humanity in the XXI century.

KEY FACTS:

- Founded in 1951
- 10 Nobel Prize laureates among professors and alumni
- 7,132 students (BSc, MSc, PhD)
- 905 research and academic staff
- 800 international students from 46 countries
- 80 labs on campus
- #48 in Physics THE Ranking
- #67 in Computer Science THE Ranking
- #42 in Physics and Astronomy QS Ranking

MIPT SCHOOLS:

- Radio Engineering and Computer Technology
- Fundamental and Applied Physics
- Aerospace Technology
- Applied Mathematics and Informatics
- Biological and Medical Physics
- Electronics, Photonics and Molecular Physics

CONTACTS

Moscow Institute of Physics and Technology
9 Institutskiy per., Dolgoprudny,
Moscow Region, 141700,
Russian Federation
Center of International Cooperation
E-mail: intoff@mipt.ru
Tel: +7 (495) 408 70 43
Educating a next generation of biomedical engineers requires the true integration of the life sciences and engineering in order to benefit from the biological revolution and its applications to medicine. This degree program will attract outstanding students who wish to be equipped with the tools to be leaders in the field of biomedical engineering in the 21st Century. The course includes a solid foundation in engineering, mathematics, and natural sciences — biology, chemistry, and physics.

In the frameworks of Biomedical engineering program students study devices, systems, complexes and basic medical technologies, as well as methods of research, therapeutic effect, information processing in health care and various fields of biomedical research.

Duration: 4 years (8 semesters)
Degree Awarded: Bachelor of Science
ECTS credits: 240
Language of Instruction: English
Start: Fall semester (20th of August)

HOW TO APPLY:

Admission Requirements
- Fill in the application form on mipt.ru
- High school diploma and transcript (grades)
- Proof of English proficiency (B2 or equivalent)
- Educational awards and results of academic or scientific competitions (if you have)
- Scanned copy of ID (passport)
- Migration card/visa (If you apply distantly, bring these documents to the International Department upon arrival)

Admission Tests:
- Examination test link: bachelor-ph.mipt.ru

Application deadlines:
- Early admissions deadline: January 09
- Regular admissions deadline: July 13

Offered conditions:
- Standard Tuition fee: 400 000 RUB (per year)
- Options of Scholarship and discounts
- Accommodation in dormitories on MIPT campus

PROGRAM COORDINATOR:
Professor, Dr. Nazarov
(nazarov.vb@mipt.ru)

PROGRAM CURRICULUM

CORE SUBJECTS:
Mathematics
Linear Algebra
English
Physics
Social Sciences
Principles of Microeconomics
History and Culture

MAJOR:
Chemical Principles
Organic Chemistry
Inorganic Chemistry
Physical Chemistry
Problems in Biomedical Engineering
Intro to Biomedical Engineering Design
Systems Physiology
Biotransport
Biomedical Systems and Modeling
Survey of Organic Chemistry
Circuits and Electronics
Instrumentation and Electronics Lab
Physiology of Cellular and Molecular Systems
Introduction to Biomechanics
Honors Biological Principles
Introduction to Bioengineering Statistics