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
Aerospace engineering is the main direction in engineering which deals with the development of aircraft and spacecraft. This program provides students with knowledge and practical skills in the development and production of aerospace systems. In addition, it includes the study of specialized modules in aircraft performance, principles of microeconomics and structures along with optional courses covering such areas as mechanics of deformable bodies, advanced aerodynamics, aviation and space flight. Our graduates will be able to use their degrees as a launching point for professional positions in the aerospace industry, government, and business or advanced study in graduate school at the end of the bachelor’s program.

**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:**
Director of MIPT School  
Dr. Negodyaev (negodiaev.ss@mipt.ru)

**PROGRAM CURRICULUM**

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

**MAJOR:**
- Introduction to Aerospace Engineering
- Computing for Engineers
- Introduction to Engineering Graphics and Visualization
- Engineering Graphics and Visualization
- Introduction to Experimental Methods in Aerospace
- Aerodynamics
- Introduction to Aerospace Vehicle Performance
- Mechanics of Deformable Bodies
- System Dynamics and Vibration
- Circuits and Electronics
- Experiments in Fluid and Solid Mechanics
- Structural Analysis
- Aircraft Flight Dynamics
- Spacecraft Flight Dynamics
- Instrumentation and Electronics Lab
- Aircraft Design
- Space System Design