

# Saint Petersburg National Research University of Information Technologies, Mechanics and Optics



Year of foundation: **1900**



Total students: **14 300** / Foreign students: **1 307**



Faculties: **20** / Departments: **110**



Teachers: **1 200**

Professors  
**151**

Associate Professors  
**435**

Doctors of Science  
**195**

Candidates of Science  
**513**

Foreign teachers  
**26**



Main educational programmes for foreigners: **267**

Bachelor's programme  
**31**

Master's programme  
**188**

Specialist programme  
**2**

Training of highest qualification personnel  
**46**



Additional educational programs for foreigners: **14**

Pre-university training programmes  
**1**

Russian as a foreign language  
**1**

Short programmes  
**12**

Other programmes

ITMO University is a national research university and leading Russian institution in the field of IT and photon technology.

**The university has served as a base for the creation of:**

- 43 international scientific laboratories;
- 33 research laboratories;
- 5 innovative clusters;
- 43 innovative small businesses;

- 2 business incubators.

**ITMO University specialises in the following subject areas:**

- Design and urban science.
- Translational medicine.
- Computer technologies and management.
- Information technologies and programming.
- Infocommunicational technologies.
- Photonics and optoinformation science.
- Technological management and innovations.
- Refrigeration, cryogenic equipment and air conditioning.
- Nutritional biotechnologies and engineering.
- Laser and light engineering.
- International business and law.
- Scientific communication.
- Natural sciences.

**ITMO University - IT's MOre than a UNIVERSITY!**

**Student successes**

ITMO University is the alma mater of multiple winners of international programming competitions, including Yandex.Algorithm, ACM ICPC, Russian Code Cup, Topcoder Open, Facebook Hacker Cup, Google Code Jam, CodeGate and RuCTF.

ITMO University students were winners at the Taydzhin Cup android olympics and the international Fujino Cup dancing robots tournament.

**Famous graduates**

<b>Pavel A. Belov</b>	Doctor of science, developer of meta-materials for transmission of high-resolution images that several times exceed traditional optical systems in efficiency.
<b>Alexander V. Boukhanovsky</b>	Doctor of science, professor, ideologist and one of creators of a unique decision-making system that helps protect St. Petersburg from floods. Author of several double degree programs.
<b>Irine E. Bocharova</b>	Awardee of the Scopus Award Russia 2014 for outstanding results in IT, performed in cooperation with European colleagues.
<b>Lev P. Boulat</b>	Doctor of science, professor, renowned specialist in thermoelectric conversion of energy with worldwide recognition.
<b>Anatoly V. Fedorov</b>	Doctor of science, professor, renowned specialist in semiconductors, physics of quantum-dimensional systems, spectroscopy of semiconducting nanocrystals.

<b>Alexander V. Baranov</b>	Doctor of science, professor, renowned specialist in experimental optical spectroscopy of complex molecules, carbon materials and semiconductor quantum nanostructures.
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<b>Anton F. Pyrkin</b>	Ph. D., proposed new control approaches that are widely published in journals and proceedings. Many of them are applied to the real robotic systems.
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## Positions in international ratings

YEAR	RATING	POSITION
<b>2015</b>	QS World University Rankings: BRICS	99
<b>2014</b>	QS EECA	91-100
<b>2015</b>	Webometrics: World University Ranking	1021
<b>2015</b>	Webometrics: BRICS University Ranking	135
<b>2014</b>	Webometrics: Country University Ranking	6
<b>2015</b>	4IC&U World University Ranking	821
<b>2015</b>	4IC&U Country University Ranking	4
<b>2016</b>	Scimago Institutions Rankings (SIR): Russian Higher Education	5
<b>2016</b>	Scimago Institutions Rankings (SIR): World	600
<b>2016</b>	Round University Ranking Subject: Natural Science	346
<b>2016</b>	Round University Ranking Subject: Technical Science	287
<b>2016</b>	Round University Ranking: World University Ranking	485
<b>June 2016</b>	4IC&U: Country University Ranking	4
<b>June 2016</b>	4IC&U: World University Ranking	632
<b>June 2016</b>	Webometrics: Country University Ranking	7

YEAR	RATING	POSITION
<b>June 2016</b>	Webometrics: BRICS University Ranking	97
<b>June 2016</b>	Webometrics: World University Ranking	864
<b>2016</b>	QS University Rankings: EECA	81
<b>2016</b>	QS University Rankings: BRICS	101-110
<b>2016</b>	Times Higher Education BRICS & EE University Rankings	27
<b>2016</b>	Times Higher Education World University Ranking by Subject: Computer Science	56
<b>2016</b>	Times Higher Education World University Ranking	351-400

### Positions in Russian ratings

YEAR	RATING	POSITION
<b>2015</b>	Expert PA National Universities' Ranking	22
<b>2015</b>	Interfax National Universities' Ranking	15
<b>2014</b>	Admissions ranking (Technical Universities)	3
<b>2016</b>	Interfax National Ranking	12
<b>2016</b>	Expert RA National Ranking	19
<b>2016</b>	Admission Quality Ranking	3
<b>2016</b>	Russian Universities Demand Ranking (Technical Universities)	2

### International partnership

The main purpose of ITMO University`s international activity is improvement of its academic ties with foreign universities and strengthening its positions within international academic community.

International academic cooperation is put into practice via 35 joint programs as well as academic exchange with more

than 200 universities in 50 countries of the world such as: Ecole Polytechnique fédérale de Lausanne, Paris Institute of Technology (ParisTech), Peking University, King's College London, Université de Liège (Belgium), Karlsruhe Institute of Technology (KIT, Germany), Universidad Nacional del Litoral (Santa Fe, Argentina), The University of California, Los Angeles (UCLA, USA), The University of Rochester (USA), Aalto University (Finland), The Czech Technical University in Prague (Czech Republic) and etc.

Double-degree Master programs provide unique opportunity to get two diplomas upon completion only one Master program. One-year study at foreign partner university makes it possible to get valuable experience of international education and research work. The language of instruction is English, so these programs are open for students all over the world.

International applicants can take advantage of studying at Preparatory Department which is aimed at assistance, adaptation and integration of new coming students into ITMO community. Academic training includes courses on the Russian Language and Culture, as well as Technical Sciences Preparatory Course (Mathematics, Physics, Computer Science, Chemistry) which is extremely helpful for entrance exams.

To sum up, key priorities for ITMO University are: creating multicultural academic space and effectively using modern educational technologies in study process so that education obtained at ITMO University fully complied with international educational standards.

## Olimpiads

	<b>Contests: The Russian Language, Mathematics, Physics, IT, Social Science</b>	<b>April</b>	Uzbekistan (Tashkent), Rossotrudnichestvo office. Winners are granted preferential terms when enrolling at ITMO University.
	<b>Contests: The Russian Language, Mathematics, Physics, IT, Social Science</b>	<b>Annually, April</b>	Winners are granted the right to preferential admission to ITMO University. Information about the competition dates is released in February.
	<b>Contests: The Russian Language, Mathematics, Physics, IT, Social Science</b>	<b>Annually, May</b>	Republic of Tajikistan, Dushanbe, with the support of the Ministry of Education (co-organiser). Winners are granted the right to preferential admission to ITMO University.
	<b>Contests: The Russian Language, Mathematics, Physics, IT, Social Science</b>	<b>Annually, March</b>	Winners are granted the right to preferential admission to ITMO University. Competition dates are announced in February.

## Preparatory department for foreign applicants

### Preparatory department for Bachelor's programme

The International Student Preparatory Centre prepares students for admission to the major fields and subjects of ITMO University and other Russian universities.

## Support of foreign students

Each department at the university has a supervisor who is responsible for issues related to international students' studies and stay in Russia. If necessary, first year students are met on arrival at the airport or train station and accompanied to their dormitory to settle in.

## **Everyday life of foreign students**

ITMO University has 6 dormitories within walking distance of the metro (maximum travel time from any dormitory to the main educational building is 40 minutes). The rooms are comfortable and furnished with all necessary items including a cabinet, bed, table, chair, bedside table. If they desire, students can acquire additional pieces of furniture at their discretion. Cable internet is available. Bathrooms are available both in the rooms and on each floor. The rooms are designed to accommodate 2, 3 or 4 persons.

In the dormitories there are also classrooms, a canteen, laundry and leisure facilities (library, gym, tennis court, dance hall, wrestling hall, a room with board games, a cinema club and rock music practice room). In the courtyard there are two garages for storing bicycles .

If necessary, ITMO University students are provided with rooms on the Inter-university student campus or in other student dormitories linked with the university.

At the Yagodnoye university sports and recreation centre, students study, complete educational programmes, develop business plans, design projects, perform electrotechnical calculations and more.

The ITMO University student sports club Kronverk Panthers holds different competitions and athletic events.

## **Leisure and sport events**

The ITMO University International Students Council oversees the adaptation of first year students to life in Russia. It organises concerts, competitions, parties, lessons, festivals, master classes and many other events.

For instance, on national holidays (Novrhz, Chinese New Year), international students tell their fellow students about the culture and traditions of their countries and cook traditional meals in cooking competition.

Several Russian language conversation clubs have been organised at ITMO University, where their participants learn about the culture and history of Russia alongside language practice and communication.

International students at ITMO University traditionally win prizes at city tournaments in football and chess.

## **Employment of foreign graduates**

The ITMO University Careers Service informs students about career opportunities and helps them developing in-demand skills.

## **Contacts**

49 Kronverksky Avenue, St. Petersburg, Russia, 197101

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### **International Educational Programs Unit**

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### **Credential Evaluation Unit**

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