

***CODING OUR WAY TO A BRIGHTER FUTURE
IN THE HEART OF ST. PETERSBURG***



ITMO UNIVERSITY IN NUMBERS

12,500+
student body

6,900
Bachelor's
students

5,600
Master's
students

1,300
professors
and lecturers

2,450
international
students
from **87** countries

996
PhD students



THE ONLY
ILLUSIONS I HAVE
ARE OPTICAL

ITMOre than a
UNIVERSITY

OUR MISSION

To provide opportunities for the holistic development of individuals and to inspire them to tackle global challenges

OUR PHILOSOPHY

IT's MOre than a University!



2020
ENGINEERING -
ELECTRICAL & ELECTRONIC
201-250

201-250

in QS WUR by Subject
Electrical & Electronic Engineering

1st in Russia



**ACADEMIC
RANKING OF
WORLD
UNIVERSITIES**

76-100

en el ARWU Automation
& Control subject ranking



TOP 400
360

360th

en QS WUR



401-500

en THE WUR

74th

en THE Subject Ranking
in Computer Science

1st in Russia



6th

on the RUR:
Russian University Rankings

8th

en el Forbes ranking
of Russian universities

Forbes

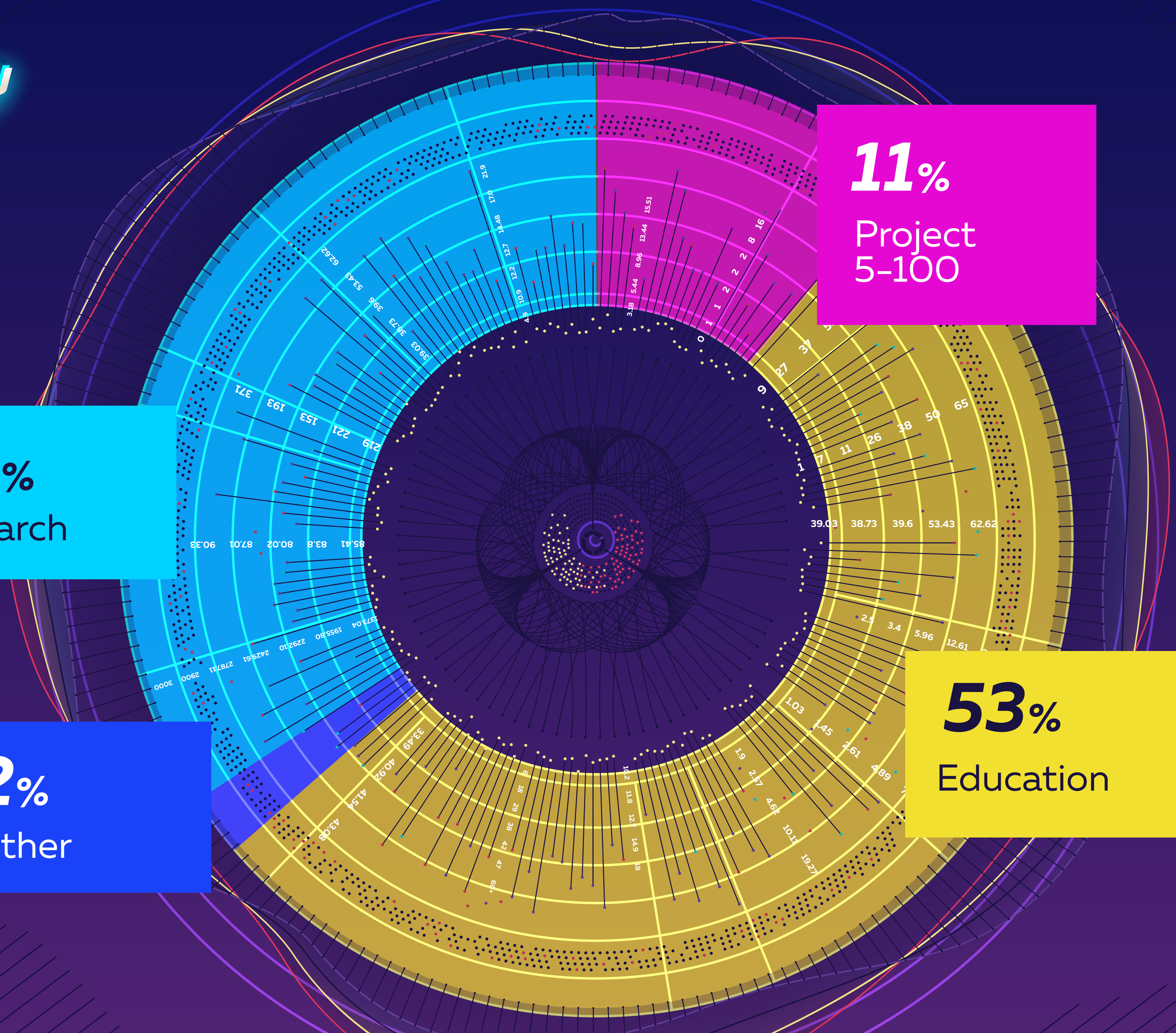
UNIVERSITY BUDGET

34%
Research

2%
Other

11%
Project
5-100

53%
Education



TALENT SEARCH SYSTEM

Events and courses
for school students

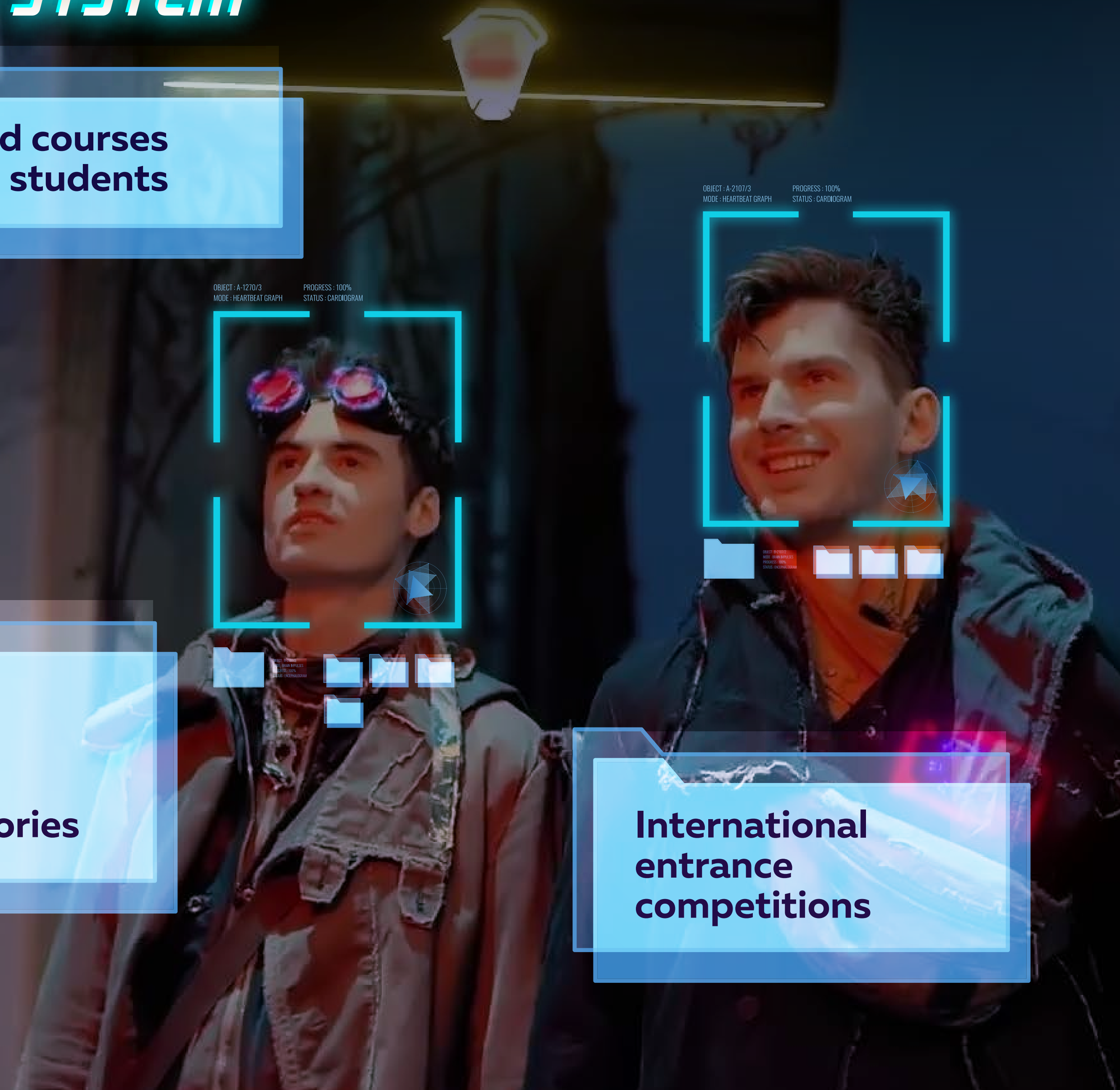
Summer schools

Open call
for the creation
of international
research laboratories

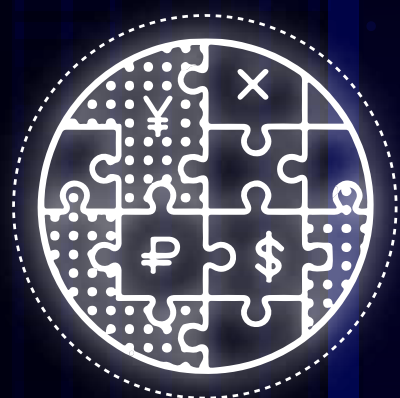
International
entrance
competitions

Exchange
semesters

ITMO Fellowship
and Professorship
program



SCHOOLS AND FACULTIES



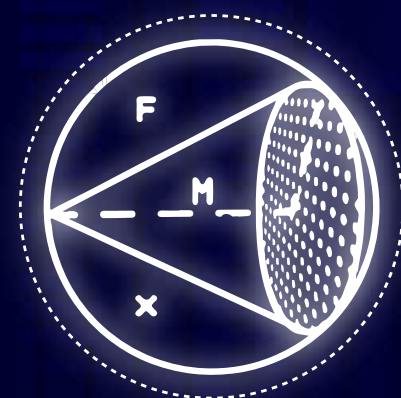
Translational Information Technologies

Artificial Intelligence
Machine Learning
Big Data
Bioinformatics
Digital Transformation
Translational Medicine
Urban Studies
Internet of Things
Lighting Design



Computer Technologies and Control

Mechatronics and Robotics
Cyberphysical Systems
Digital Navigation and Control
Computer Graphics and Design
Information Security and Cybersecurity



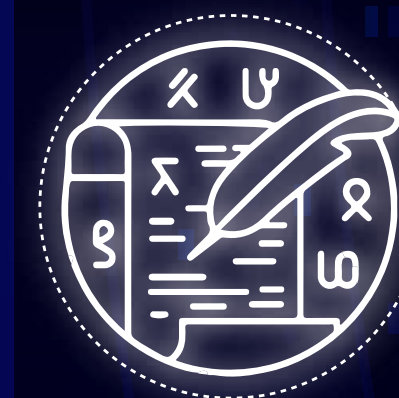
Photonics

Laser Optics and Technologies
Optoinformatics
Lighting Engineering and Optoelectronics
Sensorics
Quantum Technologies



Biotechnology and Cryogenic Systems

Refrigeration Technologies
Biotechnologies
Environmental Protection
Bioengineering
Solution Chemistry of Advanced Materials and Technologies
Chemistry and Molecular Biology
Infochemistry



Innovative Entrepreneurship

ICT, Life Sciences, Foodtech, Agritech, Cleantech, Transport, Creative Industries, Printed Electronics
Digital Transformation
Innovative Marketing
Quality Management & Industry Regulation
Intellectual Property
Venture Capital



International Development and Partnership

Humanities and IT
Art & Science
Science and Technologies in Society
Science Communication
Data, Culture and Visualization

Number of students in each field:

2,947

4,736

1,563

1,806

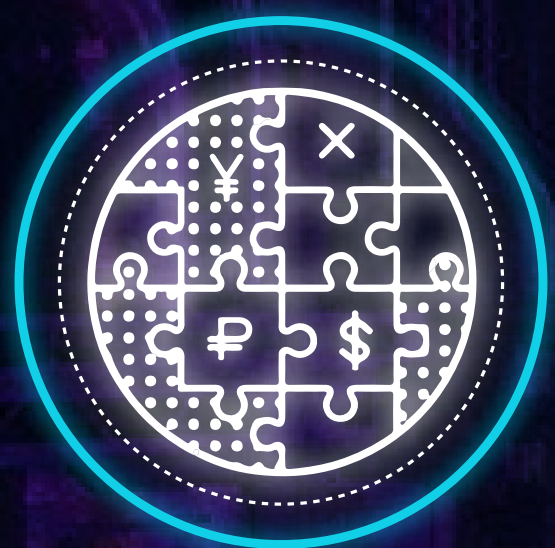
1,510

149

INTERDISCIPLINARY MASTER'S PROGRAMS



**COMPUTER
TECHNOLOGIES
AND CONTROL**



**TRANSLATIONAL
INFORMATION
TECHNOLOGIES**



**INNOVATIVE
ENTREPRENEURSHIP**

Bioinformatics and Systems
Biology

Infochemistry

Quantum Communications
and Femtotechnologies

Molecular Biology
and Biotechnology

Data, Culture
and Visualization

Art & Science



**BIOTECHNOLOGY
AND CRYOGENIC
SYSTEMS**



PHOTONICS

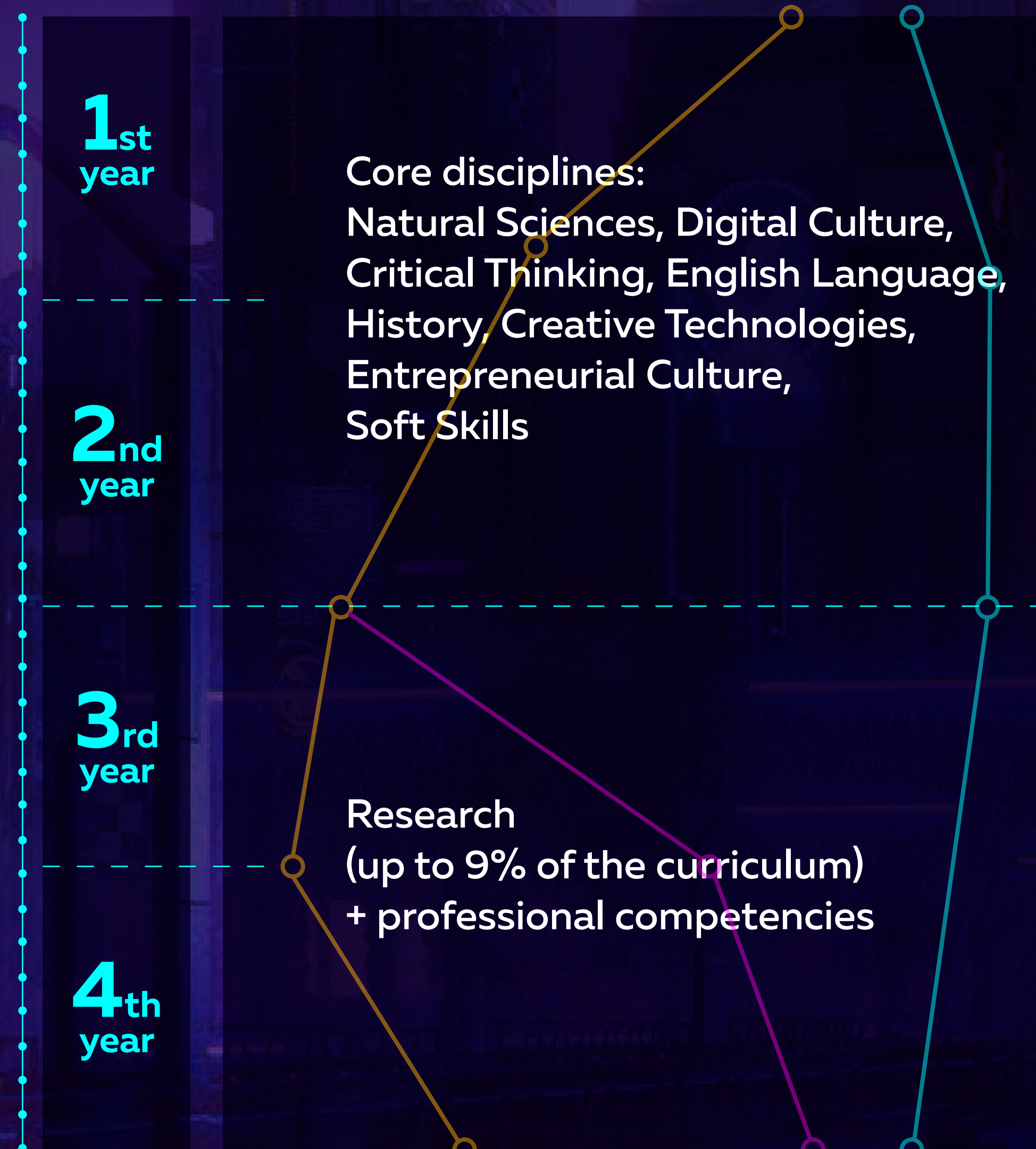


**INTERNATIONAL
DEVELOPMENT
AND PARTNERSHIP**

EDUCATIONAL MODEL

BACHELOR'S PROGRAMS

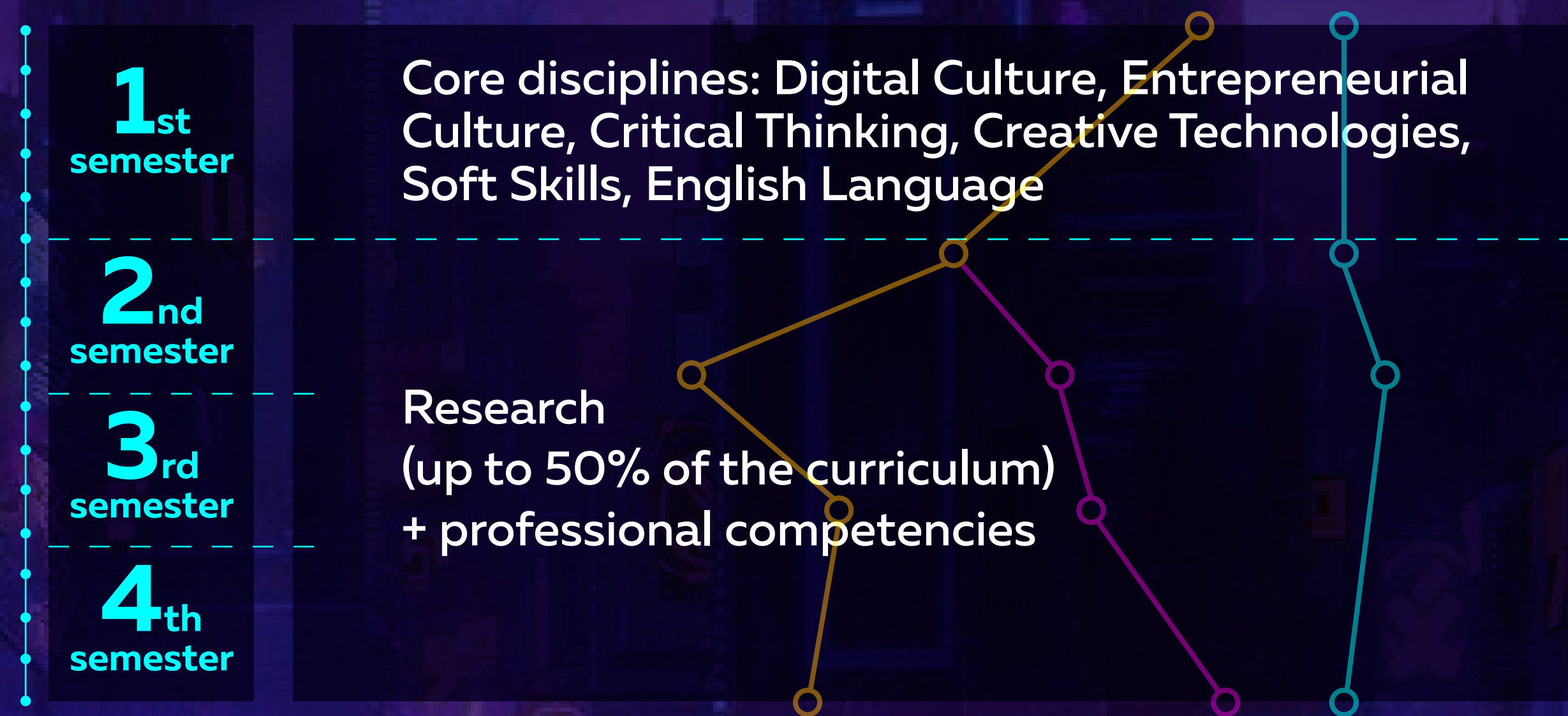
Individual educational tracks



MASTER'S PROGRAMS:

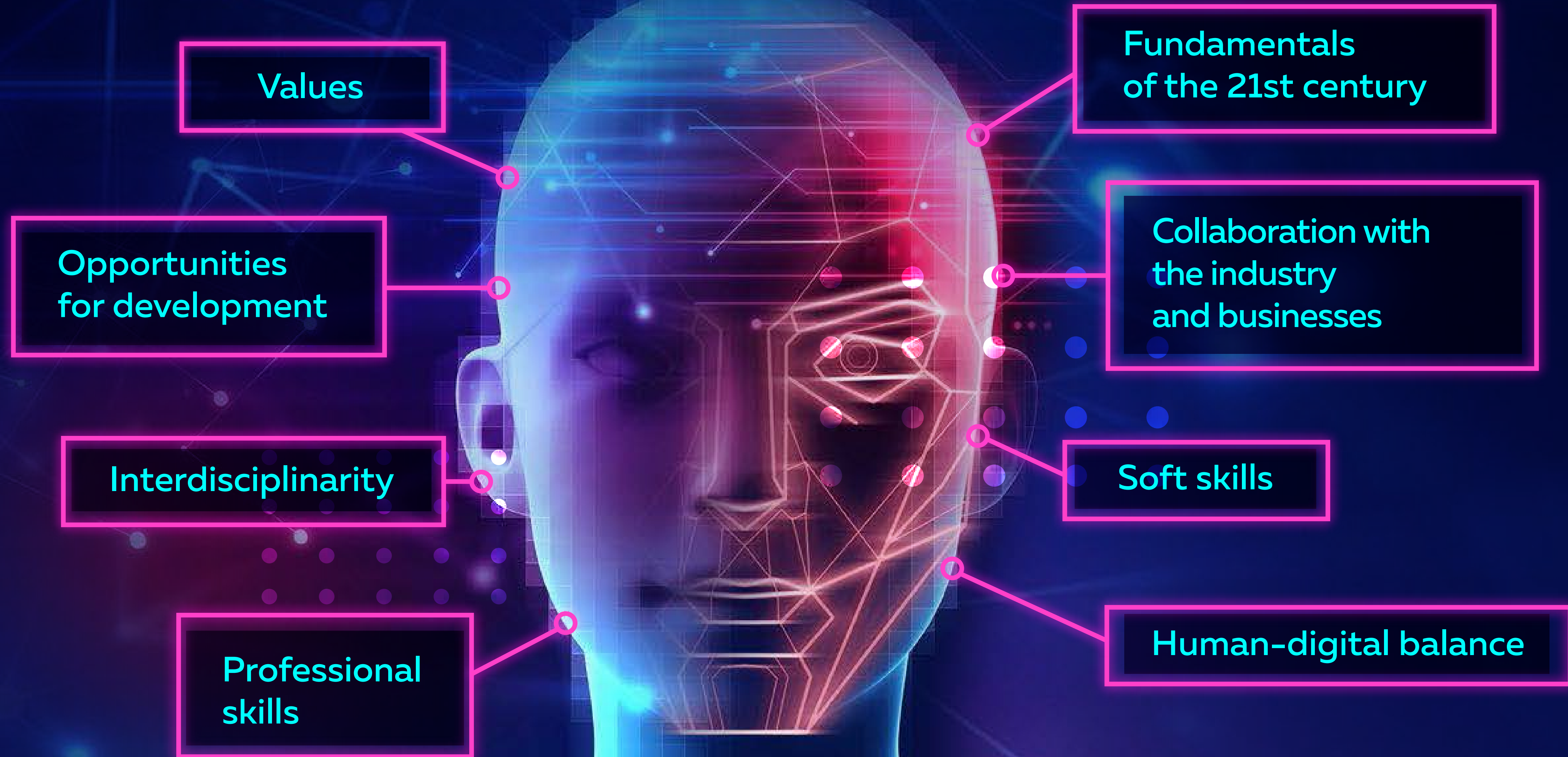
- Research
- Entrepreneurial
- Corporate
- Emerging fields

Individual educational tracks



PHD PROGRAMS: 4 years

academic disciplines
+ research



TOP-PRIORITY RESEARCH FIELDS

IT, AI, Information Security

Robotics and Control Systems

Natural Sciences and New Materials

Photonics and Quantum Communication

Life Sciences and Biochemistry

Arts & Sciences



INTERNATIONALIZATION OF RESEARCH

13

international
research
centers

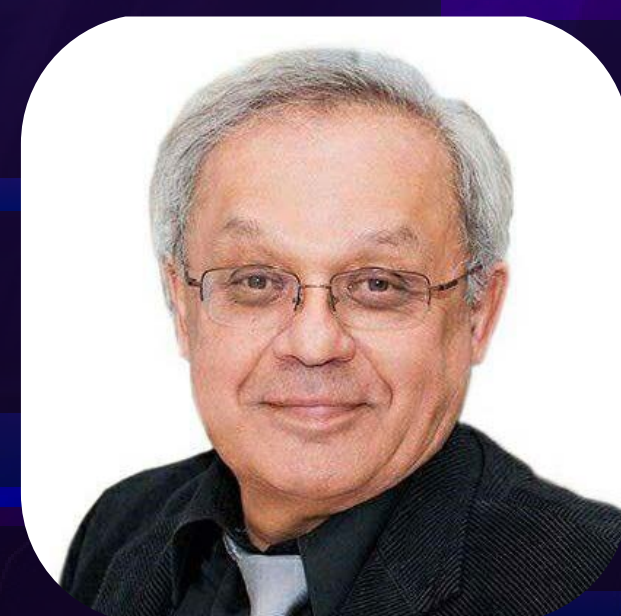
Russian and international
scientists, graduate
and postgraduate students,
and postdoc researchers

World-renowned
specialists

LEADERSHIP OF ITMO UNIVERSITY'S INTERNATIONAL RESEARCH CENTERS



**Peter
Sloot**



**Anvar
Zakhidov**



**Romeo
Ortega**



**Stefano
Stramigioli**



**Yuri
Kivshar**

ITMO FELLOWSHIP AND PROFESSORSHIP PROGRAM

400+

applications
per year

6

application review
periods per year

54

winners
in 2019



**Evgeny
Pidko**



**Ananya
Das**



**Ekaterina
Skorb**



**Alexandre
Nominé**



**Our Next
Hero**

ITMO UNIVERSITY'S PARTICIPATION IN NATIONAL PROJECTS

DIGITAL UNIVERSITY

PROJECT 5-100

**NATIONAL TECHNOLOGY INITIATIVE:
CENTER FOR COGNITIVE TECHNOLOGIES**

our contribution to the national ecosystem of machine learning and cognitive technologies R&D and to the creation of high-tech products and services for the digital economy

Partners: Sberbank, Mail.Ru Group, Gazprom Neft

NATIONAL CENTER FOR QUANTUM INTERNET

High-level quantum network between Moscow and St. Petersburg.

Partner: Russian Railways



INNOVATION

ITMO University boasts one of Russia's top innovation infrastructures

600
applications submitted to ITMO Accelerator

\$200,000
in investments

10+
hackathons with a total prize pool of **\$190,000**

Entrepreneurial and professional development programs such as Advance, Empower, and Second Wind

ITMO Technopark resident Orbi Prime received the top award in two categories at CES 2019 in Las Vegas, NA

110+
startups

30+
international research projects with a total value of over **\$2.2 million**

\$770,000
raised by Technopark residents

all monetary values are converted to US dollars at a rate of 1 USD to 70 RUB

INTERNATIONAL OPPORTUNITIES OUTGOING AND INCOMING ACADEMIC MOBILITY

Internships
Conferences
Summer schools
Semester exchange
International educational programs
Study Abroad at Home
Buddy System

170+
partner
universities

10%
of students
participate
in outgoing
academic
mobility
programs

22%
of international
students in 2020

PROGRESS



We are the world's
only seven-time
winners of ICPC!



Google Code Jam,
Facebook
Hacker Cup,
Yandex.Algorithm



Winners of Robotex 2017,
Europe's largest robotics
competition



QS-APPLE
Creative Award



World Robot
Olympiad
2017



ICPC
2004, 2008, 2009,
2012, 2013, 2015,
2017



ITMO REPRESENTATIVE OFFICES

Moscow, Russia

Liaising with major institutions and government agencies. Located in the heart of Russian Government's innovation policy.



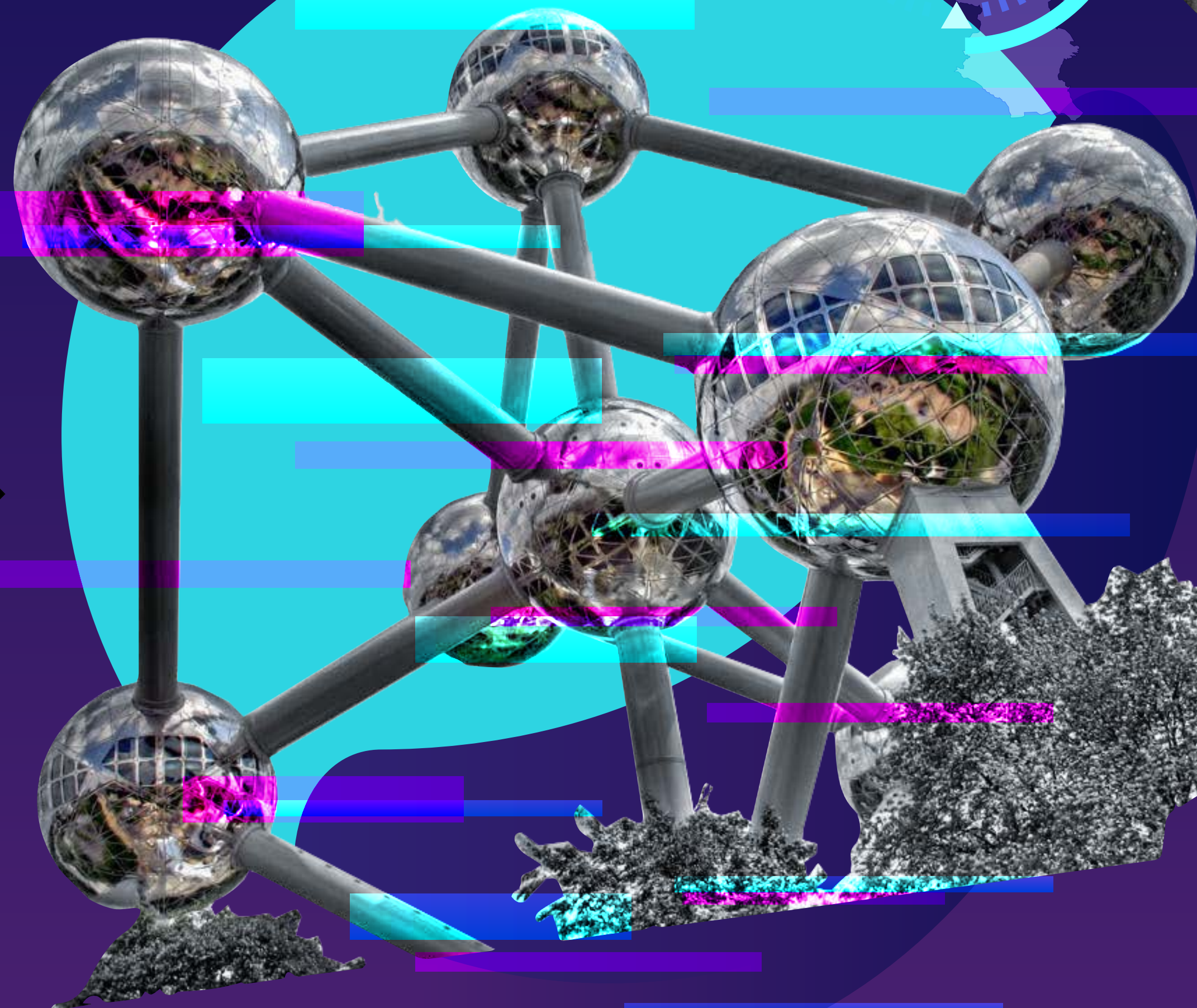
Arezzo, Italy

Taking breakthrough research to the production lines and improving student employability: ITMO and Diakont joint office, established in 2015.



Brussels, Belgium

Strengthening ties with European research and educational organizations: first ITMO representative overseas office, established in 2014.



ITMO HIGH PARK

A joint initiative of the Russian Government, the administration of St. Petersburg, and private investors

Student dorms

Sports facilities

Student Club

Park with bike paths

Research clusters

Art, Science, and Technology Museum

Main building with a conference hall and classrooms

Open roof with sports areas and 360 m. athletic track

Food court

Target figures for ITMO Highpark

3 000
Master's students

6 000
jobs for highly-qualified staff, including student employees

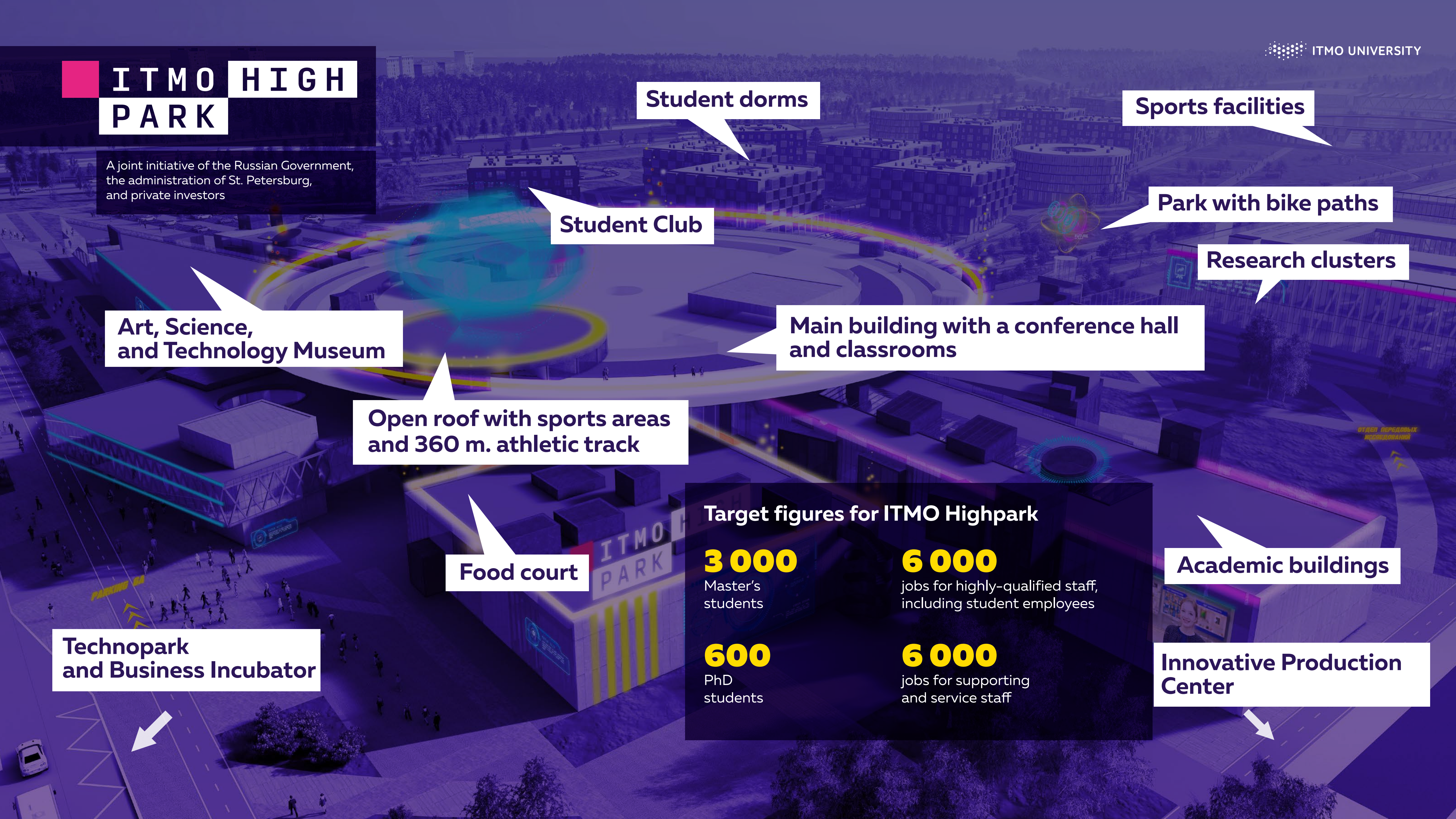
600
PhD students

6 000
jobs for supporting and service staff

Academic buildings

Technopark and Business Incubator

Innovative Production Center



JOIN US ON OUR JOURNEY!

ITMO *is more than a*
UNIVERSITY

