**KAZAN UNIVERSITY: DEVELOPMENT MILESTONES**

- **1804** – Executive Order signed by Emperor Alexander I
- **1826** – Nikolai Lobachevsky’s non-Euclidean geometry
- **1830** – Christian Frahn and Oriental Department
- **1844** – Ruthenium discovered by Karl Claus
- **1861** – Organic compounds theory by A. Butlerov
- **1895** – Psychophysics Lab opened by V. Bekhterev

1917

- **1930** – Organic compounds theory by A. Butlerov
- **1930** – Soviet Academy of Science evacuated from Moscow and Leningrad. In 1944, Yevgeny Zavoisky discovered paramagnetic resonance.
- **1932** – Alexander Tupolev Kazan Aviation Institute
- **1930** – Psychophysics Lab opened by V. Bekhterev

1945-1959

- **1945** – Kazan Institute of Chemical Technology
- **1945** – Kazan Medical Institute
- **1945** – Alexander Tupolev Kazan Aviation Institute
- **1945** – Institutes of the Kazan Research Center of the Soviet Academy of Sciences

2010

- **2010** – Kazan Federal University was established and started implementing large-scale development programs
- **2018** – Rehabilitation of university infrastructure

Soviet Academy of Science evacuated from Moscow and Leningrad. In 1944, Yevgeny Zavoisky discovered paramagnetic resonance.
KAZAN FEDERAL UNIVERSITY

Based on 7 higher education institutions and 3 medical institutions

- Over 44,000 students
- About 7,100 international students from 98 countries
- 14 institutes, 1 faculty, 2 higher schools, 2 lyceums, University Clinic
- 300+ bachelor degree programs, 20+ specialist degree programs, 260+ master degree programs, 100+ doctoral degree programs

- 33,000+ bachelor degree students
- 6,200+ master degree students
- 2,200+ specialist degree students
- 1,200+ doctoral students
- 360+ universities and research centers – partners from over 60 countries
- Over 10,000 employees
  - Incl. 4,000 academic staff
- 885,000 m² of real estate
- 726 real estate facilities
- Over 100 land plots (245 ha)
## Scientific and Academic Structure of KFU

### Natural Sciences
- Institute of Fundamental Medicine and Biology
- Institute of Environmental Sciences
- Institute of Geology and Petroleum Technologies
- Alexander Butlerov Institute of Chemistry
- University Clinic

### Physics & Mathematics
- Nikolay Lobachevsky Institute of Mathematics and Mechanics
- Institute of Physics
- Institute of Computer Mathematics and Information Technologies
- Higher School of Information Technologies and Information Systems
- Institute of Engineering

### Humanities
- Institute of International Relations
- Faculty of Law
- Leo Tolstoy Institute of Philology and Intercultural Communication
- Institute of Social and Philosophical Sciences and Mass Communications
- Institute of Psychology and Education
- Institute of Management, Economics and Finance
- Higher School of Public Administration
- Higher School of Business

### Branches
- Naberezhnye Chelny Institute (*engineering* profile)
- Yelabuga Institute (*humanities* profile)

### Secondary Education
- Nikolay Lobachevsky Lyceum
- IT Lyceum
### PRIORITY AREAS

<table>
<thead>
<tr>
<th>Area</th>
<th>Engagement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biomedicine and pharmaceutics</td>
<td>21%</td>
</tr>
<tr>
<td>Petroleum production, refining and petrochemistry</td>
<td>14%</td>
</tr>
<tr>
<td>Infocommunications and aerospace technologies</td>
<td>11%</td>
</tr>
<tr>
<td>Advanced materials</td>
<td>9%</td>
</tr>
<tr>
<td>Social studies and humanities</td>
<td>33%</td>
</tr>
</tbody>
</table>

88% of staff engaged in priority research.
Requirements of modern economy

UNIVERSITY MODEL TRANSFORMATION

2011 University – 2.0

2016-2022 University – 3.0

Science

Education

2018-2025 University – 4.0

Science

Education

Digitization

Innovations

Requirements of future economy

Technology transfer platforms

Oil deposits

University Clinic

Pilot production centers

Lyceums

Engineering centers

Training centers

...
UNIVERSITY 4.0 MODEL

What do we seek?
- Development of e-learning
- Decrease in classroom workload
- Opportunities to concentrate on breakthroughs

MAJOR TRENDS OF THE 4TH INDUSTRIAL REVOLUTION

PHYSICS
- Driverless transport
- 3D printing
- Advanced robotics
- Advanced materials

DIGITAL TECH
- Internet of Things
- Big Data

BIOMEDICINE
- Genomic and proteomic technologies
- Bio printing
TIMES HIGHER EDUCATION WORLD UNIVERSITY RANKINGS

Not ranked

2016

Social Science 201-250
Art and Humanities 201-250
Physical Sciences 301-400
Life Sciences 401-500

Economics and Business 176-200

2017

Economics and Business 301 - 400
Social Science 301 - 400
Art and Humanities 201 - 250
Life Sciences 501-600
Physical Sciences 301-400
Clinical, pre-clinical and health 501 - 600
Life Sciences 501-600

2018

601-800

99
INTERNATIONAL PARTNERS

313 cooperation agreements with international partners, research and academic centers and companies from 60 countries

TOP-300 in QS and THE rankings

Strategic partners

Main industrial partners
STRATEGIC PARTNERSHIPS

RIKEN, Japan

Joint labs with KFU
Translational Genomics Research Unit at RIKEN

Hunan Normal University, China

- Student Mobility Program
- Long-term academic staff exchange
- Confucius Institute

University of Strasbourg, France

- Chemoinformatics and Molecular Modeling Lab (est. 2012)
- Structural Biology Lab (est. 2014) within the framework of Federal Target Program Pharma-2020

Justus Liebig University Giessen, Germany

- Pathogenesis Markers Lab
All international freshmen live in our comfortable Universiade Village.
SUMMER CAMPS
ARTS AND CREATIVE ACTIVITIES