



NAZARBAYEV  
UNIVERSITY

# MOVING FORWARD







# CONTENTS

About us.....	7
NU Community.....	8
NU's Five Mandates.....	14
Academic Excellence.....	18
Research Excellence.....	26
Integrated Academic Healthcare System.....	32
Innovation and Commercialization of Research.....	36
Engagement.....	43
International Engagement.....	46
A Living Campus.....	48
Key Milestones.....	56







PRESIDENT'S  
WELCOME

Since its foundation in 2010, Nazarbayev University has been serving as a model for many universities across the country by instilling academic freedom, merit-based admission and progression. Commitment to academic integrity and transparency stems from the university's initial mission of developing future leaders, as well as its ambition to become a world-class research university.

The university has grown significantly over the years. Our student body has grown ten-fold, counting more than 6000 students enrolled in 70 academic programs developed jointly with leading partner universities. The faculty of the University comprises professors that do both teaching and research from more than fifty countries. Over the last 13 years, Nazarbayev University has prepared a new generation of young people, providing them with the knowledge and skills to fully reach their inner potential and succeed in various areas of life. During this period, nine cohorts of 8688 students have graduated from the university. Today, university graduates contribute to the development of various sectors of our economy, create their own companies or continue their further education. We strongly believe that our graduates will be an integral part of the young generation that will drive changes and will serve the country's goal to build a New Kazakhstan.

From the very beginning, Nazarbayev University has positioned itself as a world-class research university and has built a formidable research infrastructure. NU has become one of the top producers of quality research publications, which can now be considered at the top end in the region and which are making an impact globally. For every research-oriented university, a process of integrating learning and research is among the key indicators of success. Since 2011, NU researchers and students have published over 6,300 scientific articles, and 14.1 percent of them have been in the top 10 most cited global journals, thus building NU's international status and credibility.

NU Medicine closely collaborates with international partners and already serves as a model for other

university-based medical systems in Kazakhstan.

We made big strides in shaping a vibrant innovation ecosystem, which now actively generate new enterprises, enables growth, and brings technology-oriented startups and research output of our scientists to the market. Furthermore, we established an investment fund to support emerging entrepreneurs and to give a jumpstart towards entrepreneurial development around Nazarbayev University.

We have continued to focus on our responsibility of sharing knowledge and good practices with Kazakhstani universities. More importantly, now we intend to build a strong network of quality research universities in the country, so that together we will be able to better meet the national needs and break new grounds globally.

We have built strong foundations for a world-class university, but our biggest tasks are still ahead. We have to further step up our efforts in all our mandates. Our next big focus will be on establishing NU's spot in the international arena. We want to join the ranks of leading global universities, receive accreditation of our various programs, as well as international institutional accreditation. Moreover, NU is embarking on a focused journey to make disruptive technology and data-driven development work for us and the nation.

While the first decade was intense, I believe that the next 10 years will be even more challenging. Neither world nor Kazakhstan stands still. We need to be prepared for any of the future challenges that ever more volatile, more unpredictable, more complex and more ambiguous (VUCA) world might bring. We have to adapt, innovate, and constantly evaluate what works and what doesn't. These are the big challenges, and I hope that we will not lose our sense of purpose and enthusiasm that has been helping us all these years.

**ADESIDA ILESANMI**  
**ACTING PRESIDENT OF NAZARBAYEV UNIVERSITY**







# ABOUT

# NU

Nazarbayev University (NU) was founded by the first President of the Republic of Kazakhstan, Nursultan Nazarbayev in 2010.

The University aims to be a world-class research university combining quality education, influential research

and visionary innovation in service of the country and society. Throughout its history, NU has established values and standards to achieve educational and research excellence, meet both the local and global community's expanding needs and challenges, and prepare graduates ready for the future.

## VISION

To give Kazakhstan and the world the scientists, academics, managers, and entrepreneurs needed to prosper and develop.

## MISSION

To be a model for higher education reform and modern research; to contribute to the establishment of Astana City (formerly Astana) as an international knowledge, innovation, and medical hub; and to prepare students for a world of increased volatility, uncertainty, complexity, and ambiguity.

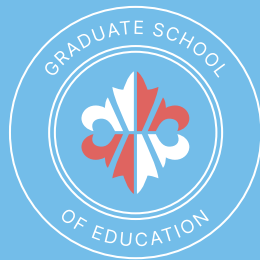
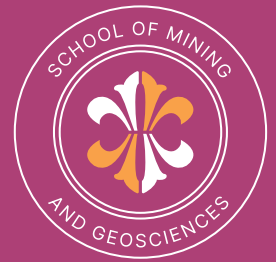
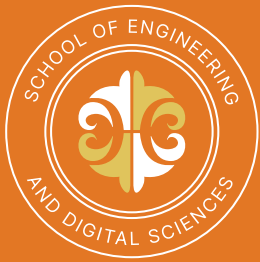
## CORE VALUES

- Merit-based institution open to all talented and bright students, faculty and researchers;
- Instilling Integrity in teaching, administration, and student life;
- Equal access to education – regardless of race, religion, gender, physical capacity, or socioeconomic status;
- Professionalism and high ethical principles for students, faculty, and researchers;
- Transparency and openness, public access to all aspects of university operations;
- Embracing diversity – integrated into every aspect of education, research, and community.

## GRADUATE ATTRIBUTES

- Possess an in-depth and sophisticated understanding of their domain of study.
- Be intellectually agile, curious, creative and open-minded.
- Be thoughtful decision makers who know how to involve others.
- Be entrepreneurial, self-propelling and able to create new opportunities.
- Be fluent and nuanced communicators across languages and cultures.
- Be cultured and tolerant citizens of the world.
- Demonstrate high personal integrity.
- Be prepared to take a leading role in the development of their country.

# NU SCHOOLS







# ACADEMIC PROGRAMS

2

FOUNDATION (PREPARATORY)  
PROGRAMS FOR UNDERGRADUATE  
(NUFYP) AND GRADUATE STUDENTS  
(NUZYP)

30

MASTER'S DEGREE PROGRAMS

22

UNDERGRADUATE PROGRAMS

18

PHD PROGRAMS

# NU STUDENTS

Students are the top priority for NU. We strive to attract the most talented students from Kazakhstan and beyond. Merit-based admission and progression policies, academic integrity as DNA, and critical thinking skills have ensured the success of the graduates. NU will continue to grow while, of course, preserving quality. NU intends to increase the student population to 8000 by 2025, having the goal to expand the number of international students to 10%.

1 699

GRADUATE STUDENTS

413 PhD

1125 Masters students

97 Doctor of Medicine students

64 Residency

10

4 803

UNDERGRADUATE STUDENTS

609

PREPARATORY PROGRAMS

7 111

TOTAL NUMBER

Source: Office of the Registrar as of September 2023





53%

STEM  
(Science, Technology,  
Engineering, and Math)

23%

Humanities & Social Sciences,  
Business, Education and  
Public Policy

9%

Foundation  
Program



8%

Medicine

7%

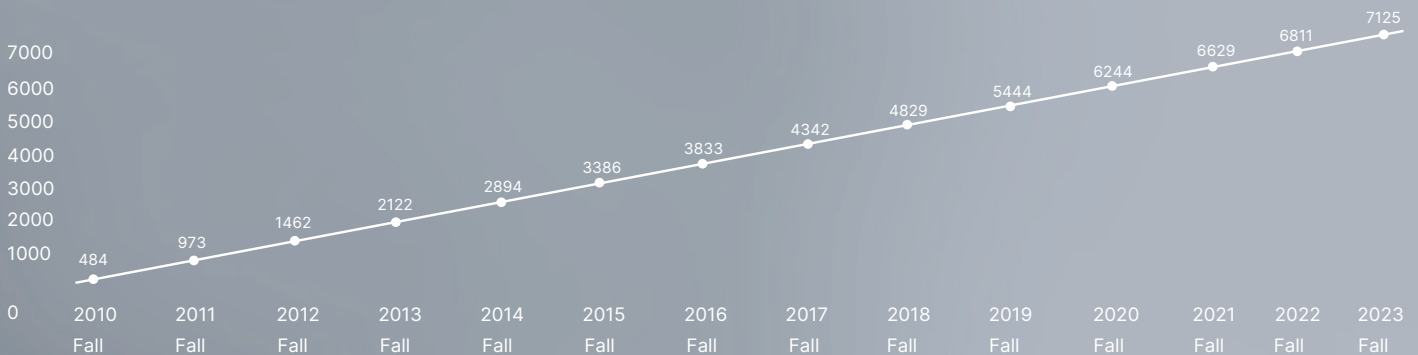
Undeclared

\*Students that have not yet chosen their  
study track

# ENROLLMENTS FROM 2010 TO 2022

Enrollments have been steadily increasing since NU opened its doors. We are proud to see more and more talents from Kazakhstan, Central Asia and other parts of the world choosing NU for

spending the most important years of their life and obtaining a high-quality education. It also inspires us to continue creating conditions for creativity, constant quest for ideas, research and innovation.



# NU FACULTY

NU places a high premium on faculty excellence and diversity. We are building an internationally competitive research-active faculty with many winners of awards and members of honorary and professional societies. All professors hold a western type PhD or equivalent highest-level degree in their respective fields. Our diverse faculty hails from 58 countries. The top ten countries of origin are the US, UK, Canada, Turkey, Russia, Korea, Australia, India, Greece, China, Iran. NU faculty and teaching community consists of 522 full-time faculty as well as 29 postdoctoral scholars, and 39 research and teaching assistants.

# 68.3%

INTERNATIONAL

# 31.7%

LOCAL

Professors

7%

Instructors

20%

Associate Professors

22%

Teaching fellows

10%

Assistant Professors

30%

Others\*

11%

\*The other category includes department heads, deans and program directors





# ADMINISTRATIVE STAFF

Our young university has been growing rapidly with the help of committed and talented administrative staff\*. NU gathered a team of dedicated professionals, including a substantial number with international academic and professional experience. NU staff have various professional and career development opportunities, including pathways to transit to academic programs.

212

Bolashak graduates\*\*

34

Talap scholarship awards\*\*

235

NU alumni work at NU and its organizations

\*Including NU, NLA, USM, NURIS, FCD, NAC, UMC.

\*\*Presidential scholarship established in 1993

\*\*\*NU graduate studies scholarship for staff



# NU'S FIVE MANDATES

At its early stage, NU defined 5 strategic directions. Commitment to these goals, as well as the autonomy of the university and strong principles of governance has been supporting NU in becoming not only a higher education institution nurturing the best talents but also an organization responding to the needs of society and making an impact.

In December 2018, the Supreme Board of Trustees approved a new Strategy of Nazarbayev University for 2018-2030 which intends to prepare NU for change in the age of globalization and technological disruption, while also building on the foundation already created. In the new strategic document, NU remains dedicated towards the five initial mandates.



# HIGHER EDUCATION REFORM LEADERSHIP

To imbue Kazakhstan's higher education system (HES) with global standards and systems, sharing of NU's experience and lessons learned with other universities in Kazakhstan is a high priority.

# ACADEMIC EXCELLENCE

To develop and maintain a culture of academic excellence.



# RESEARCH EXCELLENCE

To develop a faculty-led program of world-class research and partner with the world's best researchers and research institutions.

# INTEGRATED ACADEMIC HEALTH- CARE SYSTEM

To establish an academic healthcare system that will serve as a model for healthcare services throughout Kazakhstan.

# INNOVATION AND COMMERCIALIZATION OF RESEARCH

To become Kazakhstan's main driver of innovation, leading the way for Astana City to become a regional innovation hub.



# MANDATE I HIGHER EDUCATION REFORM LEADERSHIP

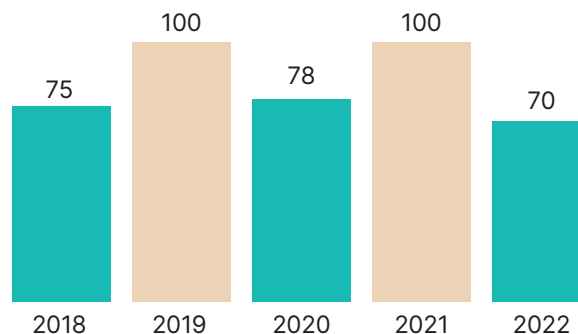
Since its establishment, NU has been a core element of Kazakhstan's broader higher education reform agenda. NU serves as a testing site for innovative educational and research projects, the successful results of which are transmitted to the country's higher education system (HES). The Graduate School of Education (GSE) leads this task.

## SHARING NU'S EXPERIENCE

Dissemination of NU's experience and best practices to education stakeholders is one of the priority institutional tasks for NU. The University uses a broad range of activities to transfer its expertise to local HEIs and research institutes. The Office for Experience Sharing, created in 2017, functions as the "one-stop shop" facilitating efficient interaction with local HEIs.

**The goal of the University's experience sharing** is to facilitate institutional and quality reforms in the higher education system based on NU's model to increase the managerial, academic, research and innovation capacity of universities, research and other organizations.

An approximate number of HEIs participating in experience sharing



# MAIN DIRECTIONS OF NU'S EXPERIENCE SHARING

## GOVERNANCE AND MANAGEMENT

Professional development programs, specialized trainings, job-shadowing, e.g. Academic Leadership Institute

## TEACHING, LEARNING AND ACADEMIC QUALITY

Institutional Effectiveness, Academic Integrity, seminars/workshops by faculty, guest lectures e.g. quality enhancement frameworks

## RESEARCH AND INNOVATION

CRP, ISSAI, NURIS, Core Facilities

## STUDENT EXPERIENCE

CAC, Registrar's, Library, DSS

## OTHER DIRECTIONS

- Regular conferences (EHELF, INESS, GSPP, EALC)
- Partnerships with pedagogical/medical universities (GSE/SOM)
- Policy impact (Contribution to governmental Task Forces)
- Professional networks (IATKL, KERA, High School Career and College Counselors Association of Kazakhstan)
- Spreading NU DNA (Appointment of NU graduates and employees to leadership positions at Kazakhstani HEIs)

## ACADEMIC LEADERSHIP INSTITUTE

Launched in 2023, the Academic Leadership Institute enhances the skills and knowledge of university management staff, including rectors, vice-rectors, deans, and department directors. By equipping them with the latest innovative technologies and strategies, this program enables effective university management in today's demanding environment.

## EURASIAN HIGHER EDUCATION LEADERS' FORUM (EHELF)

The Forum brings together education stakeholders to share their ideas and engage in lively debates about the most pressing issues higher education leaders are facing worldwide. Typically, the Forum attracts about 500 participants both nationally and internationally.





# MANDATE II ACADEMIC EXCELLENCE



Education at NU extends beyond academic programs. Complimentary to quality academic programs across a broad spectrum of disciplines, we provide a wide range of extracurricular activities, interdisciplinary programs, research experiences, internships, opportunities to study abroad, and many more. We encourage innovation, discovery and entrepreneurship in our students. Academic excellence is the cornerstone of NU. High quality education is supported by an internal quality enhancement system, which involves a rigorous process of program approval and annual review, relying extensively on inputs from faculty, external experts and, most importantly, students.

## BUILDING BLOCKS OF NU'S ACADEMIC EXCELLENCE

### ACADEMIC EXCELLENCE

- Multicultural environment
- Core curriculum
- Study abroad opportunities
- Educational technologies
- Student-centered environment
- Merit-based admission and progression
- Academic integrity
- Integration of teaching and research



# INTERNATIONAL ACCREDITATION AND EXTERNAL EVALUATION

## Academic quality, research and strategic management



NU has successfully passed an external institutional evaluation by the European University Association (EUA) Institutional Evaluation Programme (IEP). The University underwent an external review of its academic quality, research and strategic management practices through an extensive process of collective self reflection.

## Public Policy Administration



Nazarbayev University Graduate School of Public Policy received accreditations from the European Association for Public Administration Accreditation (EAPAA) and the Network of Schools of Public Policy, Affairs, and Administration (NASPAA) for both the Master in Public Policy and Master in Public Administration programs.

## English for academic purposes



Center for Preparatory Studies received accreditation from the British Association of Lecturers in English for Academic Purposes (BALEAP) for its English for Academic Purposes program.

# NU GRADUATES

Since its foundation, Nazarbayev University has educated a new generation of young people, equipping them with knowledge and skills that allow them to fully channel their inner potential and succeed in various areas of life. These days, NU graduates work in a wide range of industries, continue their education, or start their own businesses. NU alumni are our best “business cards”. They represent our core values - excellence in education and research, both in Kazakhstan and abroad. Together with the 8744

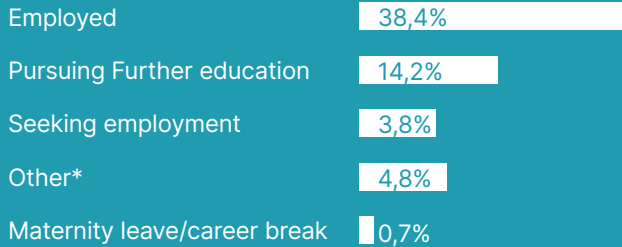
graduates from nine classes, the current 7111 students and alumni together are closing on the 16 000 mark, constituting an emerging critical mass of future leaders of Kazakhstan. NU has been graduating students since 2015. The commencement of the sixth graduating cohort has taken place on June 14, 2020 in digital format. This has become the first digital graduation ceremony in the history of the University.



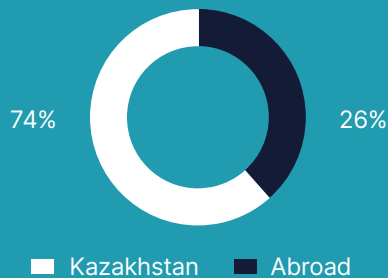


# 4 505

Undergraduate

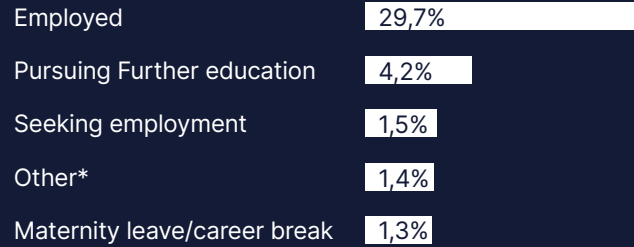


Pursuing graduate education

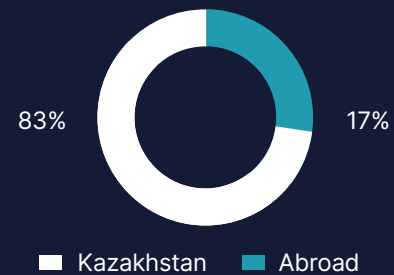


# 2 779

Advanced Degrees



Pursuing graduate education



A large number of our first-degree graduates have chosen to continue their studies. They are very competitive internationally and are welcomed at the worlds' top universities.

### EXAMPLES OF THEIR INTERNATIONAL ACADEMIC DESTINATIONS INCLUDE:

- Columbia University
- Harvard University
- Massachusetts Institute of Technology
- National University of Singapore

- Seoul National University
- Stanford University
- The Hong Kong University of Science and Technology
- Stanford University
- Tokyo Institute of Technology
- University College London
- University of Oxford
- University of Cambridge
- University of Pennsylvania
- Yale University
- and other universities.

\* Deceased or no information

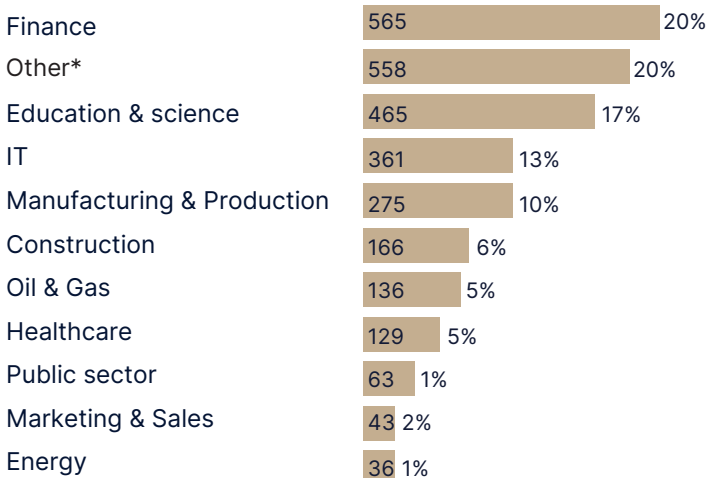
Source: Career and Advising Center, Classes of 2015-2022 as of August 2023.

# EMPLOYMENT

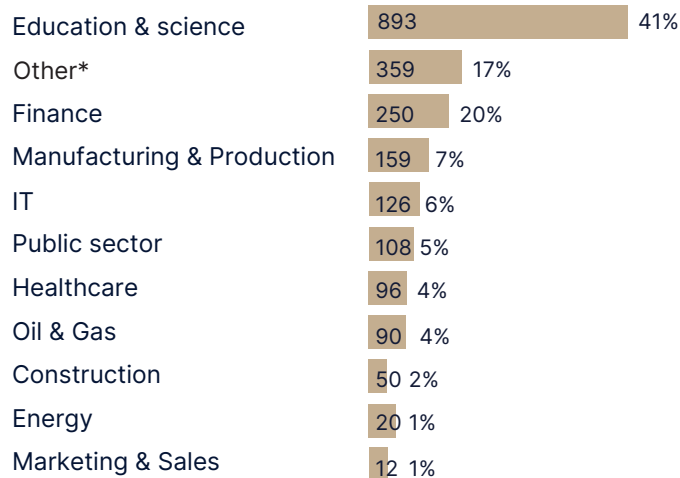
Graduating from NU has always been an advantage for students' career prospects. Starting with the first cohort of graduates in 2015, NU has been one of the top universities in Kazakhstan targeted by the most

demanding employers and the biggest industry players. 91% of graduates are employed in Kazakhstan and the rest 9% work for different companies around the globe.

## EMPLOYMENT OF BACHELOR GRADUATES BY INDUSTRIES



## EMPLOYMENT OF MASTER AND PHD GRADUATES BY INDUSTRIES





# EMPLOYMENT IN KAZAKHSTAN

# INTERNATIONAL EMPLOYMENT

Nazarbayev University graduates work in Asia, Europe and North America. They received jobs in leading technological giants based in Silicon Valley, in large industrial and engineering companies; world class universities and research centers etc.

## Examples of international companies:

- Aeroscan GmbH (Germany)
- Amazon (Poland)
- Amsterdam Trade Bank (Netherlands)
- Apple (USA)
- Google Inc. (Germany, Japan, UK)
- Imperial Digital Limited (New Zealand)
- Lenovo Group Limited (China)
- Nanyang Technological University (Singapore)
- BMW (Germany)
- Booking.com (Netherlands)
- Carnegie Mellon University (USA)
- Electrolux Professional Italia (Italy)
- Facebook (UK)
- French National Research Center (France)
- Schlumberger (Azerbaijan, UAE, Russia)
- TechReach (Portugal)
- Ulsan National Institute of Science and Technology (South Korea)
- Yandex (Russia)

## Top 10 companies in 2021 (Employ more than 20 graduates)

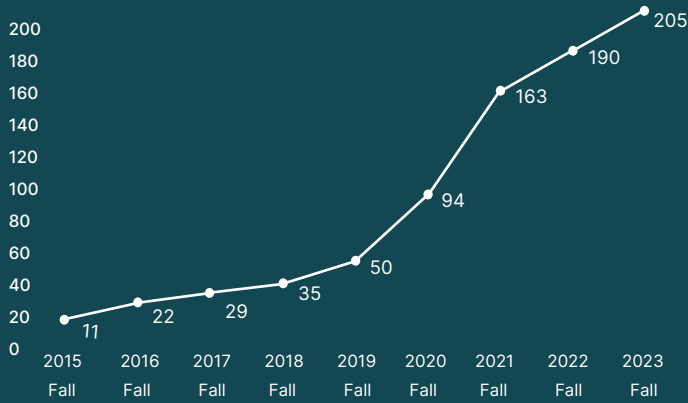
1. Nazarbayev University AOE
2. Nazarbayev Intellectual Schools AOE
3. Tengizchevroil LLP
4. KPMG in Kazakhstan and Central Asia
5. BI-Group
6. Ernst & Young Kazakhstan
7. National Bank of the Republic of Kazakhstan
8. PWC Kazakhstan
9. First Heartland Jýsan Bank JSC
10. SWF Samruk-Kazyna JSC

# INTERNATIONAL STUDENTS

NU has witnessed a steady rise in enrollment from students around the globe, indicative of its growing reputation as an attractive educational destination. Currently, 205 international students from 33 countries are pursuing their education here.

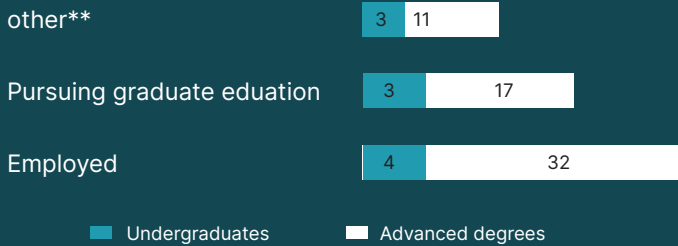


### Number of International students

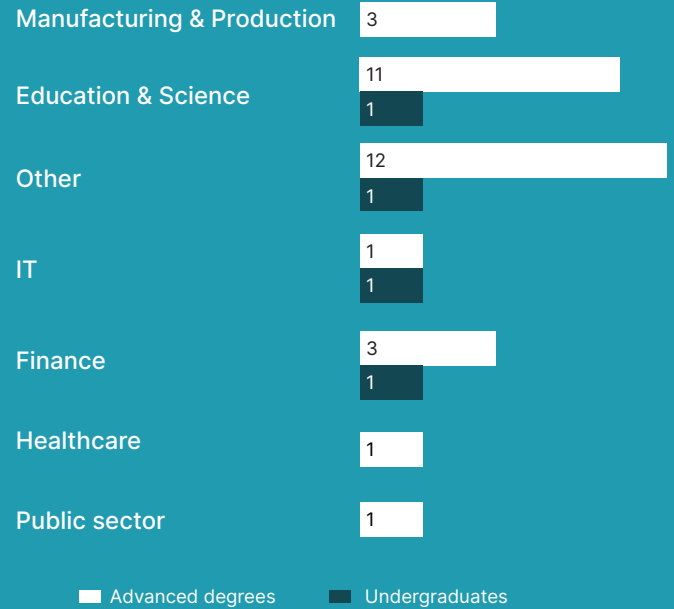


NU has witnessed a steady rise in enrollment from students around the globe, indicative of its growing reputation as an attractive higher destination. Currently, 205 international students from 33 countries are pursuing their education here.

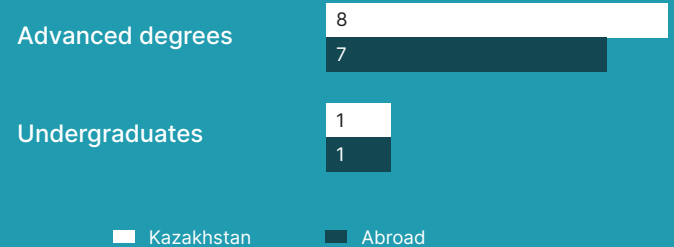
### International graduates



### Employment of International graduates by industries



### Further Education of International Graduates by location







# MANDATE III RESEARCH EXCELLENCE

NU is committed to achieving excellence in research, and to ensuring that its research contributes to the socio-economic development of Kazakhstan and the region.

NU research covers both fundamental and applied predominantly STEM disciplines, life sciences, social sciences, and education, reflecting Kazakhstan's priority development areas. Moving forward, NU will continue to build research capacity to tackle global challenges in

partnership with government, industry, research centers and other stakeholders.

Doctoral and postdoctoral programs are two rapidly developing elements of NU's education and research landscape. NU is building a dynamic postdoctoral community in order to jumpstart the development of strong research culture. Postdoctoral researchers will serve as role models for students and support faculty research.

# KEY RESEARCH DIRECTIONS

1. Socio-economic Transformation and Human Capital Development;
2. Intelligent Systems and Human-Machine Interface;
3. Health and Wellbeing;
4. Advanced Materials and Emerging Technologies;
5. Energy, Natural Resources and Environment.

## RESEARCH CENTERS

- Institute of Smart Systems and Artificial Intelligence (ISSAI)
- The National Laboratory Astana (NLA)
- NAC Analytica
- Energetic Cosmos Laboratory Project Group
- Sustainable Development Solutions Network (SDSN) Kazakhstan
- The Nazarbayev University's Research Centre for Entrepreneurship (NURCE)
- Central Asian Research Center for Education Innovation and Transformation (CARCEIT)

## RESEARCH HIGHLIGHTS

- Nanomaterials fabrication for advanced electronic devices and their properties engineering with ion beam, accelerator
- Additive manufacturing systems and metal powders for Kazakhstan industry
- State-of-the-art Technologies for High Performance Perovskite Solar Cells
- New materials and devices for defense and aerospace applications
- From studies of a nutrient-dependent cell growth and survival to development of the anti-cancer therapeutics
- Voice-Based AI Technologies for Kazakh Language
- Classification system for chest x-ray diseases
- The Space Archaeology
- Functional Materials for Solar Fuel Reactors and Optoelectronic Devices
- Cost-Effective Advanced Materials for the Chemical and Photocatalytic Treatment of Water/Wastewaters containing Pollutants of Emerging Concern
- Center of Excellence (Carl Zeiss) for advanced microscopy

VISIT OUR RESEARCH  
WEBSITE





# RESEARCH METRICS

372

researchers

13.4%

of publications in the top 10% most  
cited publications worldwide

>7500

research publications

270

research and teaching labs

>1100

publications by students

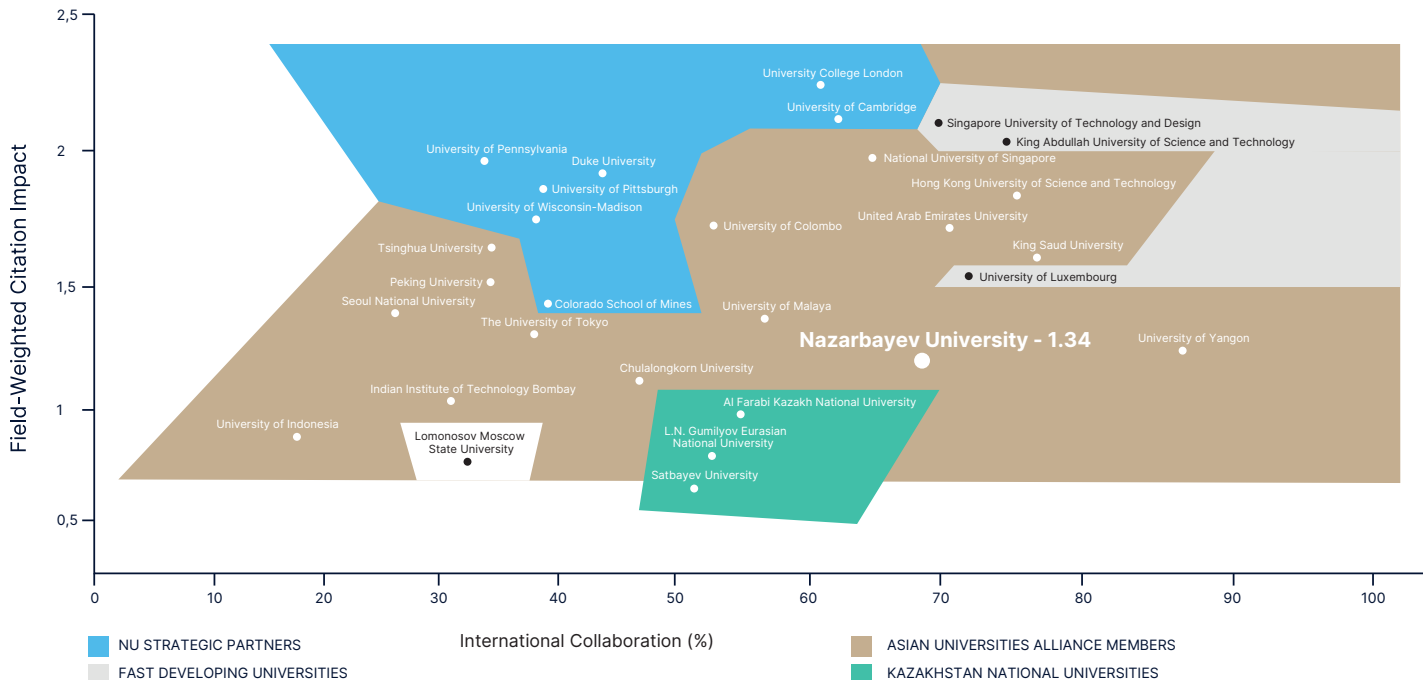


# RESEARCH IMPACT

4275 research papers published in collaboration with 2905 collaborating institutions from 130 countries.

NU has been increasingly focusing on STEM research. NU researchers have made contributions in emerging areas like robotics, energy demand modeling, new generation lithium batteries, engineering, and human genomics. On the medical side, new technologies have yielded pioneering discoveries in heart and organ transplants.

Over the last five years, the field-weighted citation impact of NU publications has grown significantly, fixing at 34 percent above the global average in September, 2023. It shows that our research is making a national and global impact, contributing to NU's international presence and standing.





# RESEARCH LABORATORIES

NU set up a well-equipped modern laboratory complex with advanced technologies to support the research endeavors of students, faculty and researchers. The complex includes the laboratories allocated along 9 research clusters:

1. Space, Industry and Transportation Cluster;
2. Fundamental Science Cluster;
3. Electronic and Photonic Systems;
4. High Performance Computing, Networking and Cybersecurity Cluster;
5. Environmental and Energy Research;
6. Intelligence, Cognition and Robotics Cluster;
7. Cluster for Behavioral Science, Education, and Gender;
8. The Environment and Resource Efficiency Cluster;
9. Biology Cluster.



## STUDENT ENGAGEMENT IS RESEARCH

NU offers its students comprehensive research experience and exposure to research frontiers. We encourage research involvement of students at all levels to enrich and supplement their in-class learning. With the support of our faculty and researchers, students participate in multidisciplinary projects and competitions, publish international research publications and aim to contribute to national and international discourse.

## COMPETITIONS AND PROJECTS

- Rehabilitation Robot
- Smart Heating Management
- International Student Research Competition
- The Electric Scooter SteelG
- “E-Vehicle” for Shell Eco-Marathon Asia 2018



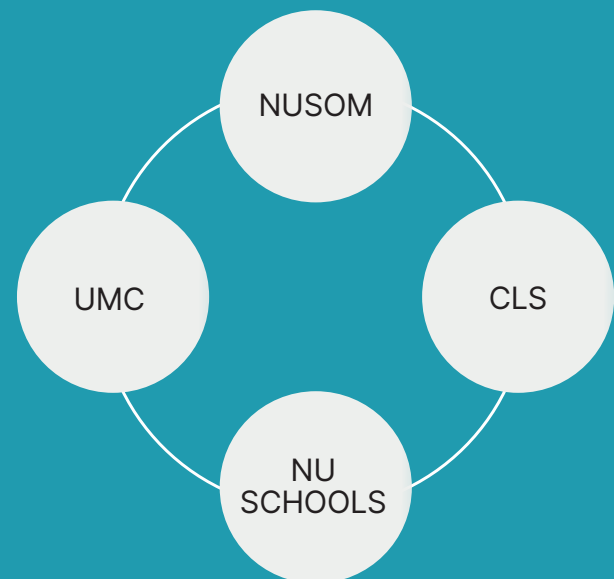


# MANDATE IV INTEGRATED ACADEMIC HEALTHCARE SYSTEM

NU has established NU Medicine, a vibrant academic healthcare system based on international standards and developed in partnership with the University of Pittsburgh School of Medicine (UPSOM) and its Medical Center (UPMC). NU Medicine consists of the School of Medicine (SOM), University Medical Center (UMC), Center for Life Sciences (CLS), and other NU schools. Its objectives are:

- To improve the quality of healthcare and predictive prevention in Kazakhstan;
- To develop a comprehensive Academic Medical Center (AMC) that provides services across the spectrum of care, from everyday needs to the most specialized procedures and treatments;
- To engage in innovative biomedical research that translate into the highest quality care, innovative education, and training;
- UMC has embarked on an ambitious transformation initiative to remake itself into a truly world-class university hospital system. The partnership with Pittsburgh Medical School and UPMC will accelerate its transformation, so that Astana City can become a medical hub nationally and in Central Asia.

## INTEGRATED ACADEMIC HEALTHCARE SYSTEM



# SCHOOL OF MEDICINE

The School of Medicine continues to expand its educational and research programs together with its strategic partner University of Pittsburgh School of Medicine to train the new generation of health care professionals (doctors, nurses, biomedical scientists and public health specialists). Together with UMC, Center for Life Sciences and other NU Schools the School of Medicine has developed an integrated research program in biomedicine to bridge the gap between basic science discoveries and its clinical applications to disease prevention, diagnostics and therapeutics.

All SOM students actively participate in research projects as a requirement for graduation, focusing on the main health priorities like chronic non-communicable diseases (cancer, diabetes, and cardiovascular diseases) as well as infectious diseases, including COVID 19. In our research projects, we encourage creativity, collaboration and interdisciplinary approach to solve major health care problems.

NAZARBAYEV UNIVERSITY SCHOOL OF MEDICINE



# ACADEMIC PROGRAMS

- Doctor of Medicine (MD);
- PhD in Biomedical Sciences;
- PhD in Global Health;
- Master in Public Health (MPH);
- Master in Molecular Medicine (MMM);
- Master in Sports Medicine and Rehabilitation;
- Master in Pharmacology and Toxicology;
- Bachelor in Nursing;
- Bachelor of Science in Nursing;
- Bachelor in Biomedical Sciences.

# RESIDENCY PROGRAMS

- Internal Medicine
- General Surgery
- Pediatrics
- Anatomic Pathology
- Obstetrics and Gynecology
- Family Medicine
- Anesthesiology and Critical Care
- Orthopaedics and Traumatology
- Radiology
- Urology
- Psychiatry

\*developed in accordance with the international standards of the Accreditation Council for Graduate Medical Education (ACGME).



## UNIVERSITY MEDICAL CENTER (UMC)

UMC operates 4 modern hospitals, 3 of them are accredited by the Joint Commission International (JCI): National Research Center for Maternal and Child Health (JCI), Republican Diagnostic Center (JCI), National Research Cardiac Surgery Center (JCI)\*. They serve as modern teaching hospitals for SOM, providing the clinical base for the training of future doctors and nurses and as a research and innovation hub to develop and apply novel preventive measures, diagnostics and therapeutic interventions. UMC closely works with UPMC and international specialists to develop modern protocols for diagnosis and treatment of rare and severe forms of diseases. UMC is a full member of the Association for Medical Education in Europe.  
\*will be a part of UMC system by the end of 2023.

## CENTER FOR LIFE SCIENCES (CLS)

CLS strives to transform medicine and healthcare in Kazakhstan through innovative scientific research, rapid translation of breakthrough discoveries, educating future clinical and scientific leaders, advocating and practicing evidence-based medicine, and pursuing research in personalized and predictive medicine. Regenerative medicine and artificial organs, biomedical engineering, innovative cell technology and cell therapies, healthy ageing and translational medicine are the main research priorities.

CLS has launched the first high-performance bioinformatics computing platform in Kazakhstan for dealing with “big genomic data” and solving problems in the field of bioinformatics. The CLS team of research scientists is at the forefront of biomedical science winning competitive commercialization grants funded by the Science Fund of the Republic of Kazakhstan, and producing patents as well as publications in high impact factor journals.





# MANDATE V INNOVATION AND RESEARCH COMMERCIALIZATION

The idea of the Innovation Cluster, first articulated by the Head of the State Nursultan Nazarbayev in early 2012, laid a foundation for the Innovation Mandate in the NU Strategy 2013 - 2020. In 2015, the development of the Cluster became part of the “100 steps” National Plan as it will serve as an important element of the innovative development of Kazakhstan.

To ensure the effective operation of the NU Innovation Cluster, a subsidiary organization “Nazarbayev University Research and Innovation System” (NURIS) has been established in 2012. NURIS organizes startup support programs (business incubation, business acceleration and corporate acceleration), operates our innovative infrastructure (Technopark, FabLab, DCIab, Machine Shop) and provides pre-seed and seed funding. Research

commercialization and IP support is carried out through the centralized Commercialization Office at NU.

Since then, NU Innovation Cluster developed into a unique platform that brings together entrepreneurs, researchers, professors, students, investors, companies and organizations from Kazakhstan and other parts of the world.

NU Innovation Cluster is breaking new ground both by commercializing the work of our scientists and by facilitating and promoting technology-oriented startup enterprises powered by our own students and graduates as well as by a diverse group of tenants at NU’s Technopark.\*

\*From “Nazarbayev University: Vector for Modernization”.



# NU INNOVATION CLUSTER



NU  
SCHOOLS



RESEARCH  
CENTERS



UNIVERSITY  
MEDICAL  
CENTER



COMMERCIALIZATION  
OFFICE



SCIENCE  
PARK (ABC)



TECHNOPARK



BUSINESS  
ACCELERATOR



BUSINESS  
INCUBATOR



MACHINE  
SHOP



FABLAB



DCLAB

## ATTRACTING AND NURTURING ENTREPRENEURIAL TALENTS

NU has already become a magnet for talented faculty, students and researchers. Now, NU focuses on nurturing entrepreneurial and innovation mindsets, both inside and outside the university. The Innovation Cluster offers training, seminars, master-classes and guest lectures to discuss digital electronics, video editing and animation, 3D-modeling, internet marketing, technological and

innovative entrepreneurship. Challenging events and idea competitions are organized in partnership with major national and international companies. These events inside and outside NU attract a growing number of actual and would-be startups, and provide networking opportunities for people of different professional backgrounds.





# INFRASTRUCTURE

## NU TECHNOPARK

is a multifunctional complex that houses facilities to carry out research, create product design, prototyping and pilot production.

NU Technopark is a full member of the International Association of Science Parks (IASP), which includes more than 350 technology parks and innovative companies from 79 countries, constantly cooperating on professional and technological interests. Currently, it has 21 tenant companies that implement innovative projects with access to a range of services provided there.

## THE MACHINE SHOP PROTOTYPING CENTER

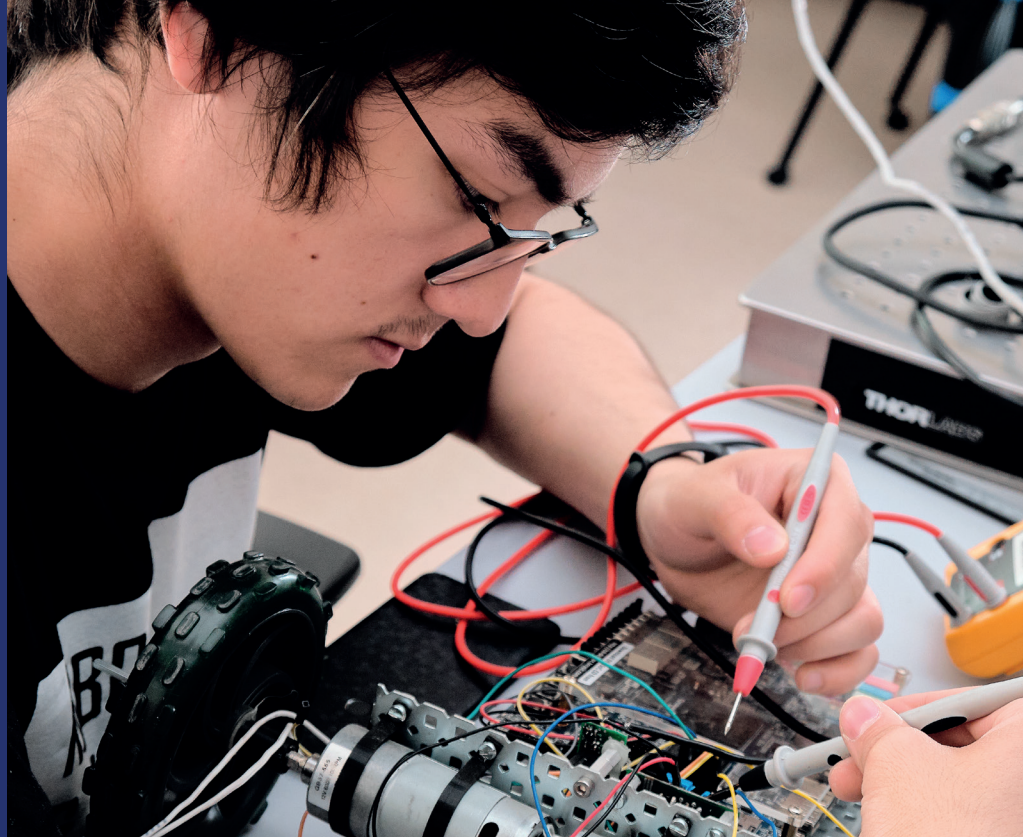
provides services for professors, students, companies and startups that include design and manufacture of single products of any complexity. It can offer development of design documentation, production of prototypes, devices and devices according to an individual technical task or sketch.

## RENEWABLE ENERGY TEST SITE

is an experimental and practical platform for testing and demonstrating green technologies. The Test Site includes solar panels, wind generators, solar collectors, a wind pump and a weather station.

# FAB LAB

Fabrication Laboratory is a co-working laboratory with advanced equipment for digital production, which allows translating any idea into a finished product and. It is aimed at developing and attracting hardware startups and developing engineering competencies among the youth of Kazakhstan by providing access to Fab Lab equipment, infrastructure and services.



# DC LAB

DC LAB Digital creativity laboratory is the first co-working space in Astana City for designers, digital artists, video-makers and photographers.





## STARTUP SUPPORT PROGRAMS

NU Innovation cluster supports unique business ideas and innovative startup projects at an early stage by providing active business guidance and specialized professional advice. NU Innovation cluster runs several major programs: ABC Incubation x TCA and Quick Start Acceleration. The programs help participants form teams, receive business education, mentorship, and professional support, and access to technology for prototyping. Further, participants have the opportunity to scale the project, attract investments, and be placed in the Technopark. Over the last years, NU conducted 10 Incubation and 12 Acceleration programs. Overall, more than 220 projects have successfully graduated from both programs and around \$5M in the form of investments and grants were attracted by the newly formed startups.

Since 2020, NU Innovation cluster has also successfully conducted 5 Corporate Acceleration Programs in textile and logistics industries. Within the new Program private companies can quickly and cheaply introduce startup solutions to optimize business processes, make technological breakthroughs and increase profits.

## EVENTS AND COMPETITIONS

Annually, NU hosts more than 100 events with more than 2500 participants. The large-scale competitions such as HackNU, Climate Launchpad, Markethon, Makeathon and many other various hackathons are run in partnership with large companies and international organizations. The competitions invite talents to provide solutions for real-life engineering and technical tasks, provide green business ideas, digital marketing solutions for business etc.

## PRE-SEED/SEED FINANCING

In order to identify and support the most promising innovative projects, a mechanism for financial support of startups at the pre-seed and seed stages has been introduced in NURIS since 2019. The best graduates of the business incubation program receive pre-seed investments in the amount of up to 3M tenge, and graduates of the acceleration program can apply for seed investments in the amount of up to 20M tenge. The portfolio of applicant projects have a wide focus in e-commerce, HR-tech, Edutech, robotic technology etc.



# STARTUPS

Several startups that graduated from ABC Incubation x TCA and ABC Quick Start programs have attracted outside investments and continued their development. Many startups were founded by the NU graduates. More on [www.nuris.edu.kz](http://www.nuris.edu.kz).

## AERO

An online proctoring service for remote exams.

## OPTOCULUS

A fiber-optic sensor with high metrological characteristics.

## EGISTIC

An online platform for farmers to make management decisions.

## A-PSORIN

Non-hormonal antipsoriatic cosmetic gel that helps to get rid of the symptoms of psoriasis in the phase of exacerbation in a short period of time.

## OKOO

An interactive online educational platform for teaching programming in rural schools using artificial intelligence.

## S CUBE

Intelligent video analytics platform that combines video analytics, biometric authentication technologies, and analytical tools. The platform helps to improve security at public places.

## RELIVE

An innovative solution for the rehabilitation of patients after a stroke, which includes equipment and software for reading and recognizing brain signals, a microcontroller and an exoskeleton of the upper extremities.

## TEACHERS-LAB

A marketplace for teachers that allows you to sell and buy copyrighted teaching materials.

## MULTICODE

A smart freight transportation scheduler for railcar fleet operators.

## SMARTESTPREP

A comprehensive online education counseling and exam preparation platform that helps talented students from all over the world get to the best universities in the world and win scholarships and grants.

## OQUDA

Market Network in the industry of recruiting applicants to foreign educational institutions, which brings together various organizations in the field of education on a single platform.

## BILIMBER

A mobile application that helps to prepare for university entrance exams.

## CODIPLAY

A solution for schools helping to teach school students programming on a smartphone.

## UVU

Safe, convenient and affordable transportation service for children from 5 to 16 years old in 4-passenger cars with female drivers.



# COMMERCIALIZING RESEARCH OUTPUT

The Office of Industry Engagement and Commercialization of the Office of the Provost helps projects with high commercial potential to reach the next stages of development, prototype creation, patenting, or pilot production, as well as management of intellectual property rights and entering the market. In Kazakhstan, the Office has unique expertise in Intellectual Property (IP) management and provides relevant services such as patent search, trademark registration, and more.

SINCE 2012:

**35**  
projects financed

**126**  
patents received

**185**  
IP applications filed

**7**  
license agreements signed

# STAKEHOLDER ENGAGEMENT

Our impact spans far beyond the boundaries of our campus. We have expanded our collaboration with the Government, industry, educational institutions and public organizations to support the implementation of national initiatives and programs, and to promote technology and innovation. These partnerships enable us to further increase contribution towards the achievement of national goals. As the leading research university in the country, NU provides engineering solutions to industry as well as consulting services to the government agencies in the areas of its expertise.

## GOVERNMENT

The School of Engineering and Digital Sciences (SEDS) acts as a key advisor to the Government in preparing and implementing the “Digital Kazakhstan” program. SEDS organized weekly seminars for senior Government officials and national companies to increase understanding of data science and build awareness of key concepts and applications in the public sector.

Faculty of the Graduate School of Public Policy have been members of the Advisory Council of the Agency of the Republic of Kazakhstan for Civil Service and Anti-Corruption Affairs, the Supervisory Board of the Republican Centre for Health Development of the Ministry of Health, Expert Working Group on Interethnic Relations for the National Assembly of People of Kazakhstan, the working group for legislative amendments on Civil Service Reforms in Kazakhstan, and the working group of the Science Committee.

## INTERNATIONAL ORGANIZATIONS AND ACADEMIA

NU increasingly hosts workshops and conferences with ADB, IMF, OECD, UNDP, World Bank, industry and business associations, as well as other international academic conferences. NU has about 100 active MoUs with other Kazakhstani and international universities and organizations.



# INDUSTRY AND BUSINESS

NU faculty are involved in sharing expertise and providing technical solutions for the industry and the real sector of the economy of Kazakhstan.

## **Contract research**

- A joint research “Application of Alkaline-Surfactant-Polymer (ASP) Flooding to Enhance Oil Recovery in Uzen Field” between SMG and KazMunayGas funded by Samruk-Kazyna. The main scope is to design a novel method to increase oil recovery from a field in Kazakhstan.
- School of Mining and Geosciences (SMG) professors and students were engaged in a research project with the Research and Development Engineering Center of the Eurasian Resources Group (ERG). The main scope of this project is 3D modeling of Ash and Iron content in Shubarkol coal deposit in Karagandy region for mine planning.
- Joint R&D “Application of Alkaline-Surfactant-Polymer (ASP) Flooding to Enhance Oil Recovery in Uzen Field” between SEDS and ArcelorMittal Temirtau JSC is related to the utilization of basic oxygen furnace (BOF) slag, a waste generated during the steel production process, as a construction material in Kazakhstan.
- Joint R&D between SEDS and Samruk-Energy JSC on CCS technology (CO<sup>2</sup> capture) to study the effectiveness and permeability of membrane materials for the development of CO<sup>2</sup> capture technology and the possibility of its application at existing and prospective coal-fired thermal power plants of the Republic of Kazakhstan.
- Joint research between SEDS and JSC “NC Kazakhstan Temir Zholy” (Samruk-Kazyna) on the development of a warning system for repair crews about the approach of a train.
- GSB conducted a contract research project for the National Bank of the Republic of Kazakhstan on

monetary policy and its objectives, necessary to prepare recommendations for assessing the compliance of existing inflation targets with the prevailing conditions in the domestic economy and changing conditions in the external environment. The research offered the definition of optimal inflation targets, taking into account the regional and country specifics of Kazakhstan.

## **Capacity building**

- GSPP jointly with the Academy of Public Administration developed and conducted a “Leader of a New Formation” Program for 3 cohorts of political appointees in the civil service and specialized program for Corps A civil servants. Over 200 senior civil servants have participated in the program and enhanced their knowledge in the areas of futures thinking and scenario planning, big data and behavioral insights, sustainable development and national identity, and other topics.
- GSPP offers advanced executive courses for public sector officials: more than 1800 professionals, government agencies, national companies and non-profit organizations have participated in the programs. Themes include leading change in civil service, crisis communications, principle-oriented leadership, investment promotion, transformation leadership.
- GSB also conducted business skills development programs for over 5000 business owners and executives. This year it has successfully delivered “Leadership” program for executives of “ArcelorMittal Temirtau”JSC and “Leadership Development Program” for top-management of “Halyk Bank of Kazakhstan”JSC.

# GIVING BACK TO SOCIETY

## DEVELOPING STUDENTS AS RESPONSIBLE CITIZEN

is an essential part of higher education. Today many initiatives of NU students have reached out to the local community. The student-led projects and innovative products contribute to supporting the socially vulnerable and underprivileged as well as empowering children from rural areas and making education accessible to everyone.

## SOCIAL INITIATIVES OF NU STUDENTS

### EDUCATION FOR ALL

Education For All is a nonprofit organization aimed at promoting inclusive education and access for children with special needs to educational, social, and professional opportunities.

### NU CHILDREN'S DEVELOPMENT FOUNDATION

CDF was established in 2017 with the aim of advancing child education and expanding educational opportunities for socially vulnerable populations. The main three programs are:

- **Garage Sale** — a traditional sale of goods donated by the NU community for charity.
- **Mentoring Program** is a free educational program for students of all backgrounds.
- **Warm Winter** is an annual charity project which helps children from low-income families get warm winter clothes.

### TEACH FOR QAZAQSTAN

The goal is to bring the best university graduates/specialists from various fields into education and make the teaching profession prestigious.

### KÜNDE CAFÉ

Kunde Cafe is a social project that was opened in 2016 by NU students. It aims to reform Kazakhstan's psychiatric care system by providing training and employment for adults with developmental and learning disabilities.



# GLOBAL PROFILE

Crossing over the first decade, NU continues to build and diversify its external relations aimed at raising its international profile and promoting its brand. NU's global engagement is defined by meaningful and high-impact relationships with universities, research institutes, laboratories, clinical sites, and industry across the world.

These partnerships and networks open up unique global opportunities for our community, enabling our students, faculty, researchers, and staff to thrive in times of volatility, uncertainty, complexity, and ambiguity and achieve their full potential.

International collaboration is embedded into every aspect of NU, starting from welcoming international students, faculty, and staff, to developing cooperation ties worldwide. Ultimately, supporting the University's strategic goals, NU strives to enhance its global connectedness reinforced by the national relevance.

33

Number of countries of origin of international students

205

Number of international students

1591

NU students have had study abroad experience since 2013

61

Number of countries of origin of faculty members

115

NU students visited cultural summer schools abroad since 2016

496

students visited NU for cultural summer schools since 2015

Source: Office of Global Relations, Office of the International Students and Scholars Services as of September 2023

## ASIAN UNIVERSITIES ALLIANCE

NU is a co-founding member of the Asian Universities Alliance (AUA) along with other fourteen top Asian universities. Launched in 2017, AUA's mission is to jointly address regional and global challenges by fostering faculty and student mobility and research collaboration, discuss higher education strategies and policies in Asia and raise the international profile of Asian universities.

## UNIVERSITY ALLIANCE OF THE SILK ROAD

Nazarbayev University is a member of the Executive Council of the University Alliance of the Silk Road, a network of higher education institutions in the countries located on the historical route of the Great Silk Road. UASR promotes student exchange and joint research projects between the member institutions. Currently there are 150 universities from 38 countries in the network.

## HARVARD PROJECT FOR ASIAN AND INTERNATIONAL RELATIONS

In 2019 NU hosted The Harvard Project for Asian and International Relations (HPAIR) Asia Conference. The Conference was established as a platform for students and young professionals to debate the most important economic, political and social issues for countries of Asia and the Pacific. More than 500 participants from over 45 countries attended the Conference.



# STRATEGIC PARTNERS

NU's development began by developing partnerships with a number of top-ranked universities around the world. Over the initial years, the strategic partners provided wide-ranging support in building the university, setting its governance and academic structures, developing its academic programs and quality assurance, student support systems, and much more. As NU has matured, we are prepared to develop deeper relationships with our partners creating opportunities for faculty, researchers, and students exchange.

- Colorado School of Mines (USA)
- Duke University (USA)
- National University of Singapore (Singapore)
- University of Cambridge (UK)
- University of Pennsylvania (USA)
- University of Pittsburgh (USA)
- University of Pittsburgh Medical Center (USA)
- University of Wisconsin-Madison (USA)
- Lawrence Berkeley National Laboratory (USA)
- Oak Ridge Associated Universities (ORAU)

Initial partners that contributed to the development of NU:

- iCarnegie (USA) 2010-2013
- University College London (UK) 2010- 2015
- The University of Warwick (UK) 2015- 2016

NU faculty and researchers have developed a wide international research network by partnering with more than 800 international institutions including Columbia, Harvard, Princeton, Cambridge, Oxford, Seoul National University, Tokyo University, Hong Kong University and others. NU's commitment to collaborate with well-known international organizations is evidenced by growing cooperation agreements, such as the European Union (Horizon 2020), Erasmus, World Bank, British Council, and other institutions.

STRATEGIC PARTNERS  
strategialyq seriktesler / Стратегические партнеры



ASIAN UNIVERSITIES ALLIANCE  
Альянс Азиатских Университетов



# CAMPUS LIFE

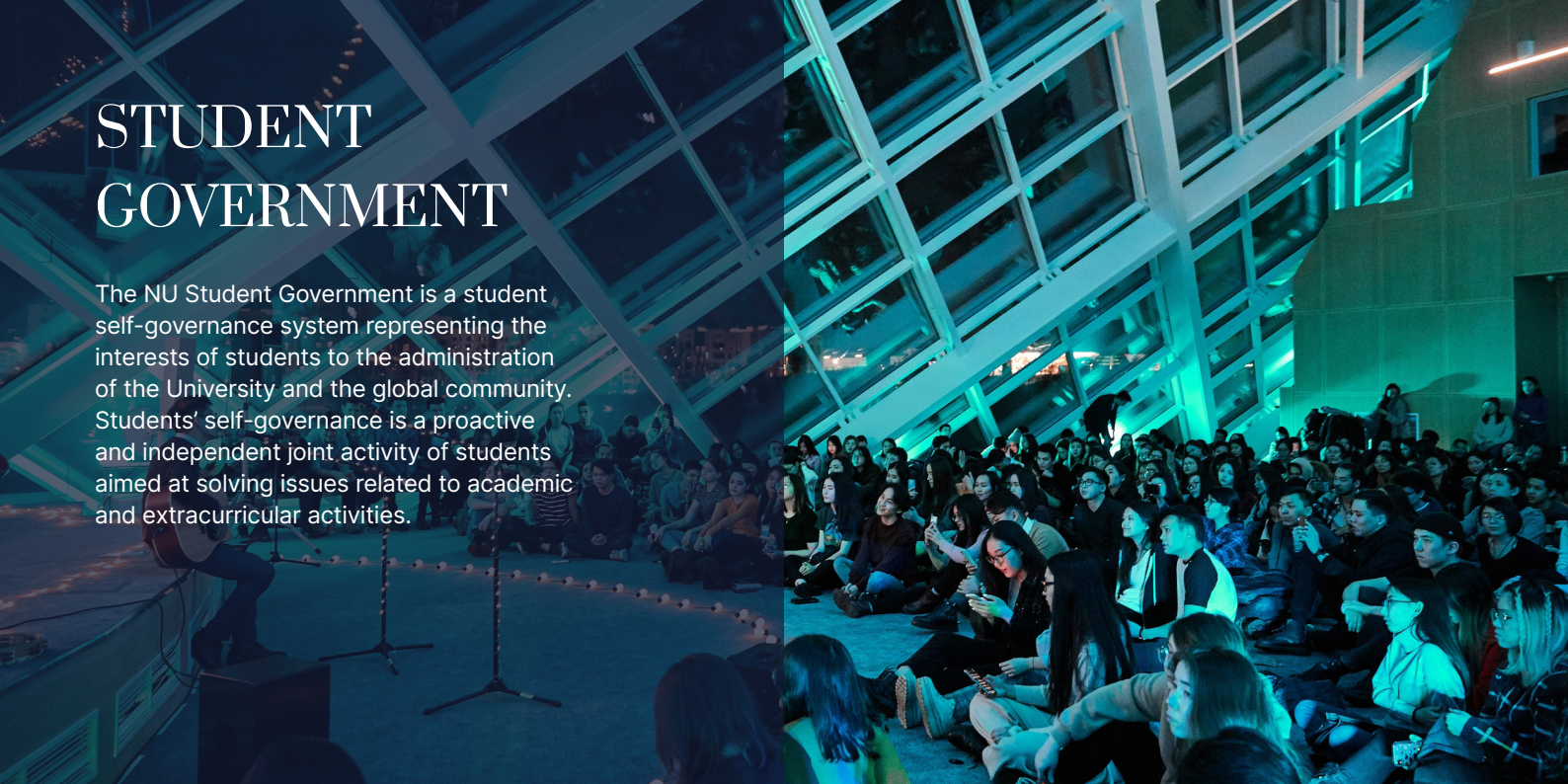


Student learning extends beyond the classroom. NU pays special attention to creating learning environments in which students develop not only academic skills, but also their potential as the leaders of their communities.



# STUDENT GOVERNMENT

The NU Student Government is a student self-governance system representing the interests of students to the administration of the University and the global community. Students' self-governance is a proactive and independent joint activity of students aimed at solving issues related to academic and extracurricular activities.



# STUDENT ORGANIZATIONS

NU clubs and societies provide various opportunities for students to assume an active and progressive role in shaping their social environment. A wide range of student-run organizations give students an opportunity to put their ideas and initiatives in action. NU has more than 100 active clubs and societies covering various areas of interests and skills, including research, culture, arts, sports, charity, entertainment, etc. It makes NU campus packed with events and activities throughout the year. NU hosts many major student-run events, including Annual Grand Concerts by NU Orchestra, NU Choir, Astana Ball, and one of the signature events - Student Awards, which recognizes exceptional and talented students, active student organizations, and well-organized events throughout the academic year.



# RESIDENTIAL LIFE

University residence halls are modern buildings; 8 residential buildings at NU accommodate 70% of students. Many daily-life facilities, such as grocery stores, on-campus medical services, barbershop, laundry, library, and banks are available within the campus.

# FACILITIES

NU campus is a comfortable place for the academic, professional and social development of students. The campus has a modern library, lecture halls, research laboratories, sports centers and sports grounds, residence halls, dining facilities, shops, and support services for students.







## LIBRARY 24/7

The NU library has become even more accessible and comfortable. New halls and rooms with a total area of 10 000 sq.m. offer superior conditions for the NU community. The updated library includes new computer rooms, multimedia rooms, classrooms for group activities and individual study, equipment for inclusive education, conference rooms, an audiovisual studio, a visual communications room and much more.



## SPORTS AND ATHLETIC CENTERS

The Sports Centers support students in their athletic endeavors providing a range of opportunities to do sports for recreation, for intramural and intercollegiate competition at various skill levels.

NU Athletic Center has a wide range of sports facilities: an Olympic-size swimming pool, a climbing wall, a squash court, a gym, a martial arts hall, a yoga hall, a fencing hall, etc. It hosts many international and national level events, including the World Belt Wrestling Championship, the International Karate Tournament, “Kazakhstan - 2019”, etc.

The Center is actively cooperating with the National Olympic Committee and Directorate of Sports Development of Kazakhstan.

# FUTURE DIRECTIONS

EMBRACING DISRUPTIVE CHANGE WHILE PRESERVING CONTINUITY AND QUALITY

In December 1, 2018 - the Supreme Board of Trustees approved NU Strategy for 2018- 2030

## STUDENT NUMBER

- 2025: 8000
- 2030: UP TO 10 000

## INTERNATIONALIZATION

- 2025: 9-10%
- 2030: 12-15%

## FACULTY

- 2025: 620
- 2030: 770

## RESEARCH CITATION IMPACT

- 2025: >1.6
- 2030: >2.0

## ACCREDITATION

- 2024: PROGRAM-LEVEL
- 2027: INSTITUTIONAL

## INNOVATION COMMERCIALIZATION

- 2025: COMPLETE THE ECOSYSTEM
- 2030: FULL SCALE VIBRANT RESEARCH, COMMERCIALIZATION AND INNOVATION ECOSYSTEM

## GLOBAL RANKING

2030: TOP 20%

## RESEARCH BUDGET

- 2025: \$250 MLN
- 2030: \$500 MLN







# KAZAKHSTAN

Kazakhstan is the ninth largest country in the world in terms of territory and is endowed with abundant natural resources. Since its independence over 30 years ago, the country has transformed itself into an upper middle-income country with a dynamic market-oriented economy where more than 120 ethnicities peacefully live together.

1991

acquired independence after dissolution of the Soviet Union

> 19 mln

population of the country

2.7 mln

sq.kilometers  
area

TENGE

national currency





# ASTANA

In 1997 the capital of the country was moved to the middle of the northern steppes. Now Astana city has risen to become an important industrial and cultural center of Kazakhstan with modern and even futuristic architecture. The population of the city has reached more than 1 million people with a concentration of talented youth, creating a forward looking vibe.

1997

the capital moved  
to Astana

>1 mln

population of the city

722

sq.kilometers  
area



# KEY MILESTONES

## 2006

### **MARCH**

Announcement by the President of the intent to create a world class university (annual address to the nation)

## 2009

### **FALL**

Appointment of project team to establish the university. Creation of "New University of Astana" JSC

## 2010

### **JUNE**

Opening ceremony of Nazarbayev University

### **SEPTEMBER**

Start of the Foundation program  
Opening of Research Centers - Center for Energy Research and Center for Life Sciences

## 2011

### **JUNE**

Signing of the Law "On the status of "Nazarbayev University", "Nazarbayev Intellectual schools" and "Nazarbayev Fund"

### **AUGUST**

Opening of undergraduate schools

### **FALL**

First research publication under Nazarbayev University name; First medical research conference at Nazarbayev University

## 2012

### **MARCH**

First JCI accreditation of hospital under the National Medical - Holding

### **FALL**

Opening of the Graduate School of Public Policy and the Graduate School of Education

## 2013

### **SPRING**

Launch of Executive MBA program at the Graduate School of Business;  
Approval of Nazarbayev University Strategy for 2013-2020 by the Supreme Board of Trustees

## 2014

### **MAY**

First Oxford University Press publication by NU "Kazakhstan -2050"

### **JULY**

Opening of the Pilot Technopark



# 2015

## **MARCH**

Establishment of the National Laboratory Astana

## **JUNE**

First Graduation Ceremony with participation of the President of the Republic of Kazakhstan

## **AUGUST**

Opening of the School of Medicine

## **FALL**

Establishment of the University Medical Center with three of the former National Medical Holding hospitals

# 2016

## **SEPTEMBER**

Launch of the ABC Quick Start Acceleration Program

## **OCTOBER**

First PhD Defense (GSE);  
Launch of the institutional self-evaluation exercise.

# 2017

## **APRIL**

Launch of the Asian Universities Alliance

## **JUNE**

Commencement of the first PhD graduates

## **AUGUST**

EUA's independent external evaluation of NU is published.

## **SEPTEMBER**

Opening of School of Mining and Geosciences.  
Opening of GSPP's PhD program in Public Policy.  
Opening of the Zero Year program for graduate students

# 2018

## **AUGUST**

Introduction of the Undergraduate Core Curriculum Framework (UCCF)

## **DECEMBER**

Opening of Laboratory complex C4;  
Approval of Nazarbayev University Strategy for 2018-2030 by the Supreme Board of Trustees

# 2019

## **FEBRUARY**

NU Transformation announced

## **MAY**

Opening of the Athletic Center;  
Fifth Graduation Ceremony First Doctors of Medicine and Bachelors in Applied Nursing graduates.

## **AUGUST**

Restructuring of NU Schools

## **SEPTEMBER**

Accreditation GSPP - 2 academic programs

# 2020

## **APRIL**

CPS's program English for Academic Purposes received accreditation from BALEAP

## **JUNE**

1st digital graduation ceremony

## **JULY**

Asian Universities Alliance's Executive Presidency for 2020-2021

# 2015

## **MARCH**

Establishment of the National Laboratory Astana

## **JUNE**

First Graduation Ceremony with participation of the President of the Republic of Kazakhstan

## **AUGUST**

Opening of the School of Medicine

## **FALL**

Establishment of the University Medical Center with three of the former National Medical Holding hospitals

# 2022

## **FEBRUARY**

2nd Phase of NU Transformation

## **JUNE**

SDSN Kazakhstan hosted by NU

# 2023

## **APRIL**

Launch of The Academic Leadership Institute

## **MAY**

Hosting AUA Summit 2023  
Hosting Asia Pacific Career Development Association (APCDA) hybrid Conference

## **JUNE**

Graduation of the 9th cohort

## **JULY**

GSPP's two Master's programs received accreditation from NASPAA

# GLOSSARY

**ABC** – Astana Business Campus

**ACGME** – Accreditation Council for Graduate Medical Education

**AHRC** – Arts and Humanities Research Council

**AIS** – The Association of International Students

**AMC** – Academic Medical Center

**AUA** – Asian Universities Alliance

**BALEAP** – British Association of Lecturers in English for Academic Purposes

**CAC** – Career and Advising Center

**CDF** – Children's Development Fund

**CLS** – Center for Life Sciences

**EAPAA** – European Association for Public Administration Accreditation

**EHELF** – Eurasian Higher Education Leaders Forum

**ERG** – Eurasian Resource Group

**EUA** – European University Association

**Fab Lab** – Fabrication Laboratory

**GEM** – Global Entrepreneurship Monitor

**GSB** – Graduate School of Business

**GSE** – Graduate School of Education

**GSPP** – Graduate School of Public Policy

**HES** – Higher Education System

**HPAIR** – Harvard Project for Asian and International Relations

**IASP** – International Association of Science Parks

**IEP** – Institutional Evaluation Program

**IGEM** – International Genetically Engineered Machine

**ISSAI** – Institute of Smart Systems and Artificial Intelligence

**JCI** – Joint Commission International

**KERA** – Kazakhstan Educational Research Association

**MES** – Ministry of Education and Science of the Republic of Kazakhstan

**NATO** – North Atlantic Treaty Organization

**NLA** – National Laboratory Astana

**NUFYP** – Nazarbayev University Foundation Year Program

**NUZYP** – Nazarbayev University Zero Year Program

**ORAU** – OAK Ridge Associated Universities

**SEDS** – School of Engineering and Digital Sciences

**SMG** – School of Mining and Geosciences

**SOM** – School of Medicine

**SSH** – School of Sciences and Humanities

**UASR** – University Alliance of the Silk Road

**UCCF** – Undergraduate Core Curriculum Framework

**UMC** – University Medical Center

**UNDP** – United Nations Development Programme

**UPMC** – University of Pittsburgh Medicine Center

**UPSOM** – University of Pittsburgh School of Medicine

**USAID** – United States Agency for International Development


**VOUCA** – Volatile, Unpredictable, Complex and Ambiguous






Office of the President  
[www.nu.edu.kz](http://www.nu.edu.kz)

53 Kabanbay Batyr ave.  
Astana, Republic of Kazakhstan  
+7 (7172) 70-90-22  
Email: [nu@nu.edu.kz](mailto:nu@nu.edu.kz)

 @nuedukz

 @Nazarbayev University group/page

 @nuedukz

 Nazarbayev University Official

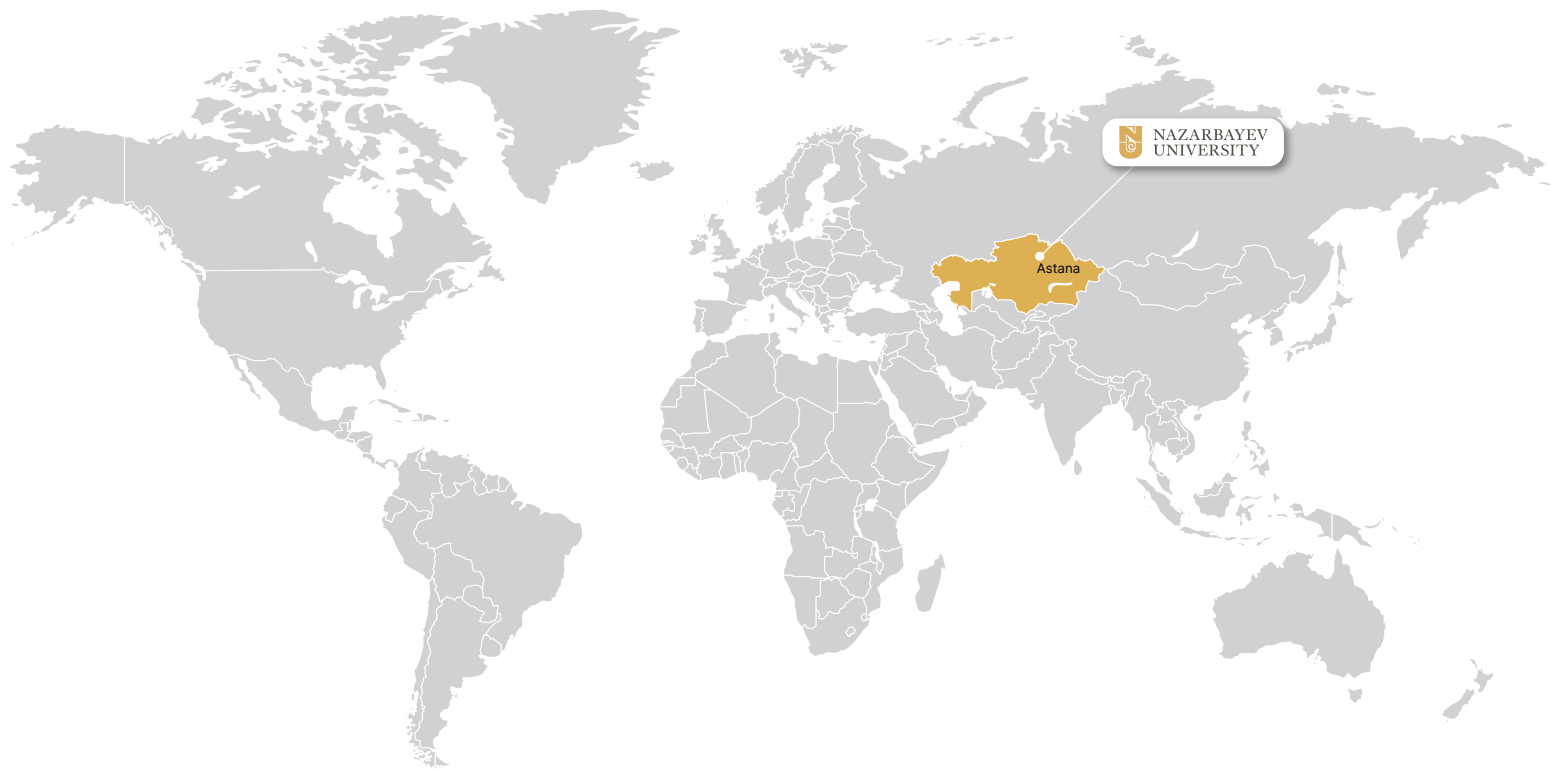
 Nazarbayev University







# LOCATION











nu.edu.kz  
September 2023