

School of Engineering and Digital Sciences



**Professor.
Dean, School of Engineering
and Digital Sciences**

Welcome to the School of Engineering and Digital Sciences – a vibrant and dynamic school that is home to about 3000 individuals, including students, faculty members, and administrative staff.

Currently, the School is composed of six departments:

Civil and Environmental Engineering
Chemical and Materials Engineering
Electrical and Computer Engineering
Mechanical and Aerospace Engineering
Computer Science
Robotics Engineering

and is running twenty-three academic programs at Bachelor's, Master's, and PhD levels. Starting from August 2025, the School offers a professional Master's program in Applied AI and Data Science. The program was developed and introduced to meet the growing interest and demand in the rapidly evolving field.

Our students, during their studies, not only have the opportunity to learn from top experts in engineering and digital sciences, but also gain cutting-edge, hands-on experience in their major. The students have access to state-of-the-art equipment and facilities, engage with world-leading researchers, participate in international exchange programs, and beyond.

Our students and alumni actively contribute to and lead advancements in engineering, technology, AI, materials science, energy, and many other areas. Our students are engaged in research, presenting at scientific conferences, publishing in high-impact journals, and driving progress in STEM disciplines. Our graduates are welcomed by the world's top universities and leading global and national companies.



**Yelyzaveta
Arkhangelsky**

**Let yourself dream — and join us
to make your dream come true!**



Undergraduate programs (4 years / 240–250 ECTS)

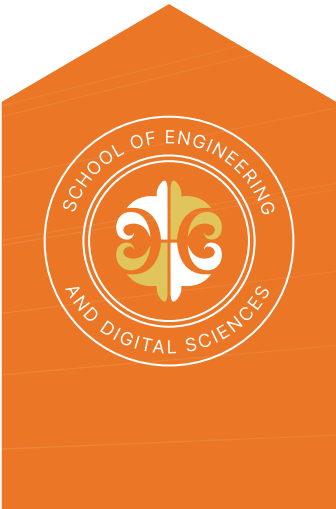
- Bachelor of Engineering in Chemical and Materials Engineering
- Bachelor of Engineering in Civil and Environmental Engineering
- Bachelor of Engineering in Electrical and Computer Engineering
- Bachelor of Engineering in Mechanical and Aerospace Engineering
- Bachelor of Science in Robotics Engineering
- Bachelor of Science in Computer Science

Master's programs (2 years / 120 ECTS)

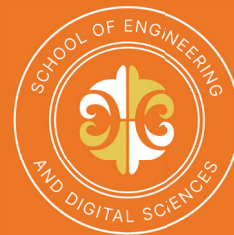
- Master of Engineering Management
- Master of Science in Chemical and Materials Engineering
- Master of Science in Civil and Environmental Engineering
- Master of Science in Mechanical and Aerospace Engineering
- Master of Science in Electrical and Computer Engineering
- Master of Science in Biomedical Engineering
- Master of Science in Robotics
- Master of Science in Data Science
- Master of Science in Computer Science
- Master of Applied Artificial Intelligence and Data Science

PhD programs (4 years / 240 ECTS)

- PhD in Chemical Engineering
- PhD in Civil Engineering
- PhD in Computer Science
- PhD in Electrical Engineering
- PhD in Mechanical Engineering
- PhD in Robotics Engineering
- PhD in Science, Engineering and Technology



- / Language of instruction — English
- / Full time or hybrid format



Why SEDS?

World-class research

work in modern laboratories and publications in top journals.

Global opportunities

exchanges, internships, and further studies at Stanford University, Massachusetts Institute of Technology, ETH Zurich

Expert faculty

scientists and engineers from 25+ countries worldwide

Successful career

graduates work at Google, Amazon, Meta, Kaspi, and other leading companies

Cutting-edge engineering fields

from robotics to aerospace and AI.





Career opportunities

98% of graduates at NU

are employed or continue their studies within the first year after graduation

Our graduates are in high demand across key industries:

1. Information Technology
2. Engineering and Manufacturing
3. Oil and Gas
4. Finance and Consulting
5. Construction and Energy
6. Science and Education

Among the companies employing our graduates:

Google, Amazon, Meta, Microsoft, Apple, Kaspi, Air Astana, BI Group, Schlumberger, Deloitte, KPMG, PwC, EY, Tengizchevroil, Eurasian Resources Group, Alstom and others.



Deloitte.



ALSTOM

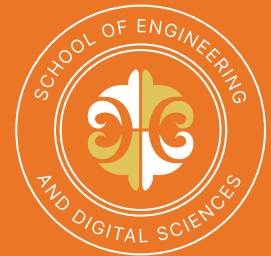


Schlumberger

Meta

amazon

Google



Student Testimonials



Adil Olzhabayev

**Graduate of the Bachelor of Engineering
in Mechanical and Aerospace Engineering
program**

Studying in NU SEDS as a mechanical and aerospace engineer has been one of the most rewarding experiences of my academic journey. NU SEDS gave me a strong sense of community and purpose, motivating me to contribute to the future. I am proud to have been a part of SEDS, which pushes the boundaries of what students can achieve.





12,000+

alumni
(2015–2025)

98%

are working or
continuing their
studies

15

years —
founded in 2010

70%

of faculty are international
with degrees from top
universities

8000+

students in the 2025/26
academic year

Students from
34+ countries.

Faculty and staff
from **62 countries.**

250+

laboratories

6300+

publications

114

patents

/ **94,5% of students**
are provided with
on-campus housing

/ **94-hectare campus** —
shops, cinema, sports,
residences, 24/7 security

/ **Accommodation**
from 18,000 tenge/
month

Rankings:

THE World University
Rankings:

401+

Ranks among the top

24–29%

of research universities
worldwide

#1

in Central Asia

International Accreditation:

QAA, AMBA, European University Association,
World Federation for Medical Education (WFME),
Joint Commission International (JCI)



apply.nu.edu.kz



tuition fees

School Website: seds.nu.edu.kz
Email: seds@nu.edu.kz
Instagram: @nu_seds

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010000, Astana, Kazakhstan.
Applicant support Center phone
numbers: +7 (7172) 70-66-13

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