



**STRATEGIC DEVELOPMENT PLAN OF BAKU ENGINEERING
UNIVERSITY FOR 2025–2030**

Approved by the Scientific Council of
Baku Engineering University by Decision
No. "03/2025" dated "29.04.2025"

1. Introduction

“Baku Engineering University” public legal entity (hereinafter – BEU) was established under the Ministry of Education of the Republic of Azerbaijan by Decree No. 2429 of the President of the Republic of Azerbaijan dated November 8, 2016.

The main purpose of establishing the University is to improve the teaching of engineering technologies in Azerbaijan and to ensure the training of highly qualified specialists in this field.

In the modern era, the growing role of education in economic life makes the formation of a knowledge-based economy and continued state support for the development of human capital in Azerbaijan a priority direction. It also makes the enhancement of the international competitiveness of the higher education system across the country particularly important.

The new long-term challenges in the development of human capital in Azerbaijan, along with the need to conduct and improve competitive graduate and professional training in line with international standards, have served as the basis for the preparation of this Strategic Development Program (hereinafter – SDP).

With modern knowledge provision, technology utilization, and scientific research, BEU continues its activities toward becoming a leading institution on both regional and international scales. This strategic document defines BEU’s priority directions, strategic objectives, and implementation plans for the 2025–2030 period.

2. Mission: Prioritizing the fields of engineering and information technologies, to train specialists at all levels and forms of education who possess fundamental knowledge and research skills in education, research, and innovation in accordance with international standards, competitive in the national and international labor market, and educated with a sense of patriotism.

Vision: To enhance BEU’s academic reputation and secure a position in global rankings.

Goal: To become one of the top five most prestigious universities in Azerbaijan and achieve a “1000+” level position in international rankings.

Values:

- **Quality** – Ensuring that education meets current standards and norms, socio-economic requirements, and serves the interests of individuals, society, and the state.
- **Innovation** – Promoting innovative ideas and creative initiatives to advance the university and contribute to society.
- **Sustainable Development** – Adopting a strategic and responsible approach to ensure the university’s long-term progress and sustainable contribution to society.
- **Transparency and Accountability** – Conducting activities openly and keeping the public informed.
- **Conscious Approach to Education** – Encouraging the purposeful, systematic, and deep acquisition of knowledge and skills through a well-designed teaching and learning process.
- **Systematic Planning** – Implementing measures in a sequential, goal-oriented, and comprehensive manner to achieve final results.

- **Efficiency** – Organizing education and scientific creativity using modern methods that are continuously improving, useful, and result-oriented.
- **Application of Innovations** – Applying the latest innovations and implementing innovative approaches in administration, research, and the educational process.
- **Equality** – Providing equal opportunities for all learners and ensuring the right to education.
- **Academic Freedom** – Ensuring the autonomy of academic staff and researchers in their research, teaching, and social service activities.
- **Professional Ethics** – Upholding academic ethics and respecting copyright.

3. BEU's Strengths, Weaknesses, Opportunities, and Threats

Strengths:

- The university has the status of a public legal entity.
- Highly qualified academic staff.
- Presence of a campus (university town).
- International relations in the fields of engineering, technology, and economics.
- Availability of modern infrastructure and laboratories.
- Existence of a Technopark and Innovation Center.
- Dormitory infrastructure is available.
- “AZIMUS” – Electronic University Management System is in place.
- Training of specialists is also conducted in English.
- Extensive international collaborations.
- Presence of student organizations and clubs.
- Effective organization of alumni relations and career activities.
- Reward system based on publications in impact-factor journals.
- Differential grading system in place.
- Existence of dual-degree programs.
- The “Journal of Baku Engineering University” and six scientific journals are included in the recommended periodic publications list of ANAS (Azerbaijan National Academy of Sciences).
- The “Journal of Contemporary Applied Mathematics” is indexed in the SCOPUS database.

Weaknesses:

- Limited financial resources.
- Physical and moral obsolescence of some technological equipment.
- Lack of separate buildings for the library and dining hall, absence of an indoor sports hall, and insufficient dormitory facilities for male students.
- Low number of academic staff with scientific degrees and titles.
- Limited number of local and foreign professors involved in joint scientific research programs.
- Lack of research orders from the government and private sector.
- Low participation of faculty and students in international exchange programs.
- Low number of foreign students among the student body.
- Limited involvement of foreign specialists and experts among collaborators.

- Insufficient facilities for inclusive education and activities.
- Budget mainly formed from tuition fees.
- Absence of an electronic document circulation system.
- Lack of internationally accredited programs.

Opportunities:

- Digital transformation processes in the country.
- Availability of continuous professional development programs.
- Increasing role of education in the development of society.
- Azerbaijan's international prestige, political stability, favorable geographical location, and multicultural environment, which attract foreign students.
- Growing attention and support from the state for the education system.
- Implementation of the State Program to enhance the international competitiveness of higher education in Azerbaijan.
- Increasing admission quotas based on state orders and higher state-funded tuition for students enrolled under state orders.
- Recognition of BEU as a leading university by society.
- Growing interest of the business sector in collaboration with universities.
- Legislation allowing activities across various levels and forms of education.
- Increasing interest of state and private organizations in innovation and IT fields.
- Expansion of innovation and Technopark activities in the country.
- Opportunities to organize international scientific events and conduct research in collaboration with other organizations and universities.
- Participation opportunities in projects conducted by KOBIA and DMA.
- Increasing public interest in Technoparks.

Threats:

- Complexity of the procurement process due to existing legislation and regulatory acts.
- Expansion of study opportunities abroad.
- Increasing competition among higher education institutions.
- University-industry collaboration.
- Similarity of programs offered by universities in the country.
- Small or limited local target market for technology transfer.
- "Brain drain" or the outflow of highly qualified specialists to foreign countries.

4. Main and Sub-Strategic Directions

1. Improving the Quality of Education

- 1.1. Enhancement of teaching methods.
- 1.2. Obtaining international accreditation.
- 1.3. Organizing training for academic staff.

2. Strengthening Research Activities

- 2.1. Establishment of multidisciplinary research groups.
- 2.2. Participation in national and international grant programs.

3. Increasing Student Satisfaction

- 3.1. Improvement of the student-university communication system.
- 3.2. Enhancing the activities of the Career Center.

4. Digital Transformation

- 4.1. Improvement of the electronic management system.
- 4.2. Creation of virtual laboratories and teaching tools.
- 4.3. Integration of artificial intelligence technologies into the teaching process.

5. Infrastructure Enhancement

- 5.1. Renovation of teaching and laboratory infrastructure.
- 5.2. Establishment of continuous education centers.
- 5.3. Improvement of social and public infrastructure.

6. Management and Rankings Improvement

- 6.1. Commercialization of research results.
- 6.2. Improving the university's position in global rankings.

7. Internationalization

- 7.1. Academic collaboration with prestigious foreign universities.
- 7.2. Creation of dual-degree programs.
- 7.3. Attracting foreign students.

8. Inclusivity

- 8.1. Creating a higher education environment free from physical and social barriers.

9. Sustainable Development Goals (SDGs)

- 9.1. Promoting the use of sustainable energy.
- 9.2. Combating climate change through awareness-raising activities.
- 9.3. Instilling the concept of social responsibility.

5. (2025–2030) Main and Sub-Strategic Directions

Main Directions	Sub-directions	Goals	Planned Period
1. Improving the Quality of Education	Enhancement of teaching methods	Integration of modern teaching methods into 50% of subjects	2025–2030
	Obtaining international accreditation	International accreditation of 25 programs	2025–2030
	Trainings for academic staff	50 educational programs	2025–2030
2. Strengthening Research Activities	Creation of multidisciplinary research groups	Establish 5 new multidisciplinary research groups	2025–2028

Main Directions	Sub-directions	Goals	Planned Period
3. Increasing Student Satisfaction	Participation in national and international grant programs	Apply for 10 grant projects	2025–2030
	Improving student-university communication system	Ensuring at least 95% of students' satisfaction with university communication	2025–2030
	Enhancing Career Center activities	Ensuring full employment of 75% of graduates	2025–2027
4. Digital Transformation	Improvement of the electronic management system	Implement a fully automated management platform	2025–2028
	Creation of virtual laboratories and teaching tools	Establish 10 new virtual laboratories	2025–2030
	Integration of AI technologies into teaching	Digitalize 20 subjects	2025–2030
5. Infrastructure Enhancement	Renovation of teaching and laboratory infrastructure	Renovation of 30% of classrooms and laboratories	2025–2030
	Establishment of continuous education centers	Build 3 new centers	2025–2030
	Improvement of social and public infrastructure	Build 2 new facilities and modernize 20% of existing ones	2025–2030
6. Management and Rankings Improvement	Commercialization of research results	Secure 6 patents and implement commercialization	2025–2030
	Improving global rankings	Achieve position in QS and THE rankings within top 1000	2025–2030
7. Internationalization	Academic collaboration with prestigious foreign universities	Sign at least 50 new cooperation agreements	2025–2030
	Creation of dual-degree programs	Offer 3 new dual-degree programs	2025–2028
	Attracting foreign students	Increase number of foreign students to 500	2025–2030
8. Inclusivity	Creating physical and barrier-free higher education environment	Adapt 2 teaching buildings for inclusive education	2027–2030
9. Sustainable Development Goals (SDGs)	Promoting sustainable energy use	Achieve 5% use of alternative energy	2025–2030

Main Directions	Sub-directions	Goals	Planned Period
	Combating climate change through awareness	Launch 3 new environmental awareness projects	2025–2028
	Instilling social responsibility	Implement 10 projects	2025–2030

This table reflects the main strategic directions of the strategy, their sub-activities, measurable indicators, goals, and the planned period.

6. Implementation and Monitoring Plan

In order to ensure the implementation of the SDP, annual activity plans will be prepared based on the main development directions and submitted by the relevant structural units to the University Scientific Council. The progress of the process will be continuously monitored by the respective structural unit(s), and the university management will be regularly informed.