

# AZERBAIJAN TECHNICAL UNIVERSITY



ANNUAL REPORT - 2025

[www.aztu.edu.az](http://www.aztu.edu.az)



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# Overview

# Infrastructure

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Azerbaijan Technical University (AzTU) is committed to providing rigorous academic instruction at the bachelor's, master's, and doctoral levels in disciplines such as engineering, mechanics, metallurgy, material science, information technologies, energy, transportation, and applied sciences and etc. The institution is supported by six academic and administrative buildings, which house state-of-the-art laboratories, digital learning environments, and advanced research infrastructure. The principal academic building

contains the central administrative offices and various academic departments, while specialized facilities are equipped with computer laboratories, research centers, and cutting-edge technology for 3D modeling, robotics, and related fields. The university features a comprehensive Library Center that offers an extensive array of resources, including books, academic journals, digital materials, study spaces, and academic support services designed to enhance teaching, learning, and research activities.

Furthermore, the university prioritizes pedestrian accessibility throughout the campus, incorporating designated pathways that ensure safe, accessible, and sustainable mobility for both students and staff. In line with its commitment to health, well-being, and athletic excellence, the AzTU Sport Hall provides modern sports facilities and recreational opportunities that foster physical activity within the university community.



# Campus

## BILISIM VADISI BAKU



Located at AzTU, Bilisim Vadisi Baku supports technology transfer, software, R&D, and innovation projects by engaging students in real-world internships across engineering, robotics, and cybersecurity.

## LIBRARY



AzTU Library provides access to academic resources that support education, research, and innovation.

## TUSAS – AZTU PARTNERSHIP



Since 2022, AzTU has collaborated with Turkish Aerospace Industries (TUSAS) to deliver industry-oriented engineering training aligned with international aerospace standards.

## KOB MODEL ENTERPRISE



The KOB Model Enterprise at AzTU supports entrepreneurship and SME development by providing hands-on training in real business processes using modern technological infrastructure.

## CEZERI LAB



Established with TİKA support, Cezeri Lab enables students to develop prototypes for international technology competitions, including Teknofest Azerbaijan.

## CODE ACADEMY



In partnership with Code Academy, AzTU enhances students' digital and programming skills through industry-aligned practical training.

## DINING FACILITIES



AzTU dining facilities offer accessible meal services that support student well-being and campus life.

## LABORATORIES



AzTU laboratories provide modern facilities for education, applied research, and experimental learning.

## SPORTS COMPLEX



The AzTU Sports Club offers activities in 10 sports disciplines and actively participates in city-level and national competitions.

## Rector's Message

### Prof. Dr. Vilayat Valiyev

Rector of Azerbaijan Technical University



This Annual Report of Azerbaijan Technical University offers a comprehensive overview of the institution's academic, research, and administrative achievements during the reporting period. Over the past year, Azerbaijan Technical University has consistently pursued its strategic objectives within higher education, research, and innovation, thereby contributing significantly to the development of national human capital and technological prowess. We have undertaken systematic initiatives to enhance our academic programs, strengthen research and innovation, modernize our educational infrastructure, and expand our international

collaborations, all in accordance with established standards of higher education. Particular emphasis has been placed on advancing research and innovation, fostering partnerships with industry, and integrating theoretical knowledge with practical application. The expansion of collaborative efforts with national and international academic institutions, as well as industry organizations, has facilitated applied research projects and improved graduate employability. Concurrently, investments in digitalization and quality assurance mechanisms have enhanced the efficiency and transparency of academic and administrative processes. The accomplishments

highlighted in this report are the result of the unwavering commitment of our faculty, researchers, administrative staff, and students. Their professionalism and dedication have been pivotal in realizing the University's mission and strategic aims. As we look to the future, Azerbaijan Technical University remains steadfast in its commitment to promoting academic excellence, fostering research-driven innovation, and strengthening its role as a premier institution of technical higher education. We will continue to align our objectives with national priorities and adhere to the best practices recognized in the global higher education landscape.

## Institutional Overview

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The 2025 Annual Report provides an extensive, detailed overview of Azerbaijan Technical University's advancements in key areas, including institutional growth, academic excellence, research initiatives, internationalization efforts, and financial stability for the 2025 reporting year. The report is thoughtfully organized in accordance with globally recognized

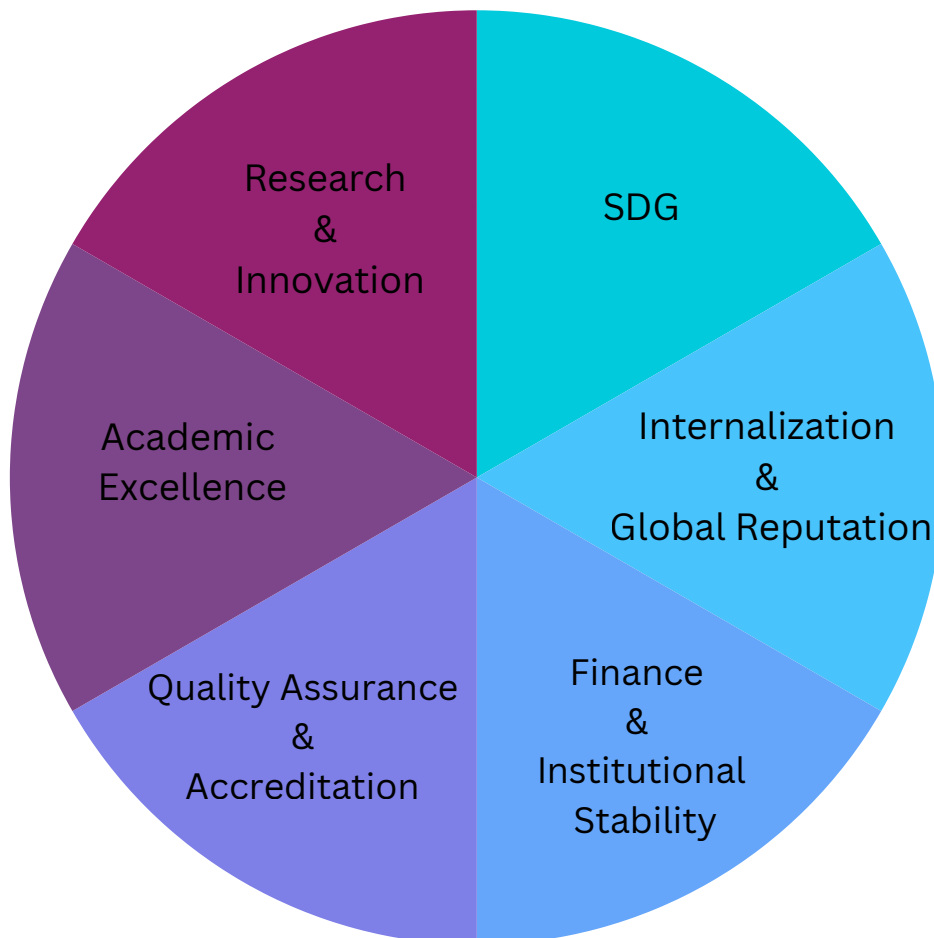
higher-education evaluation frameworks. Additionally, it is closely aligned with AzTU's Strategic Development Plan, ensuring a cohesive approach to institutional progress. In 2025, AzTU showcased substantial growth and development across all strategic dimensions. This progress underscores the university's evolution into a research-informed institution that prioritizes innovation and competes

effectively on the international stage. The achievements reflected in the report demonstrate AzTU's commitment to enhancing its educational programs, fostering impactful research, and strengthening global partnerships, thereby positioning itself as a leader in technical education both regionally and worldwide.

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The report is structured according to the following main areas of activity:

### AzTU in 2025



## Methodology and KPI Framework

The preparation of the Azerbaijan Technical University Annual Report 2025 follows a structured, evidence-based methodology that emphasizes performance and aligns with international practices in higher education evaluation. This methodology integrates both quantitative and qualitative analyses to ensure objectivity, comparability, and reliability in assessing institutional performance. The analytical framework combines performance management, benchmarking, and multi-year trend analysis, allowing for the evaluation of both absolute performance levels and progress over time.

### Scope and Analytical Dimensions

Institutional performance was assessed across several key areas:

- Research and Innovation
- Academic Excellence and Teaching Quality
- Internationalization and Global Reputation
- Quality Assurance and Accreditation
- Financial Performance and Institutional Sustainability
- Sustainable Development Goals (SDGs)

These areas correspond to AzTU's strategic priorities and reflect widely recognized models for assessing university performance.

### Comparative and Trend Analysis

To assess performance trends, indicators were examined over a three-year timeframe (2023–2025). Benchmarking was performed against:

- Previous performance cycles of the institution
- Peer technical universities both regionally and internationally
- Global ranking standards and performance categories

This methodology facilitated the recognition of strengths, identified performance deficiencies, and highlighted key areas for strategic focus.

### Data Sources

The report is based on verified data obtained from multiple internal and external sources, including:

- Institutional statistical databases and official financial reports
- International scientific analytics platforms (e.g., SciVal, Scopus, and Web of Science)
- Documentation for accreditation and quality assurance
- International ranking platforms (e.g., QS, THE, and UI GreenMetric)
- Digital management systems (e.g., learning management systems and research management platforms)
- Data consistency and accuracy were ensured through thorough cross-verification across all sources used.

## Methodology and KPI Framework

### Key Performance Indicators (KPIs)

For each analytical dimension, a defined set of Key Performance Indicators (KPIs) was utilized.

These KPIs were selected based on their relevance, measurability, and comparability with international benchmarks. Examples of the applied KPIs include:

- The number and quality of publications indexed in Scopus and Web of Science
- Field-weighted citation impact and rankings of top citations

Patent activity and outputs related to innovation

- Indicators of international mobility for students and staff
- Coverage of international accreditation
- Metrics for financial efficiency and revenue diversification
- Indicators related to education, research, and campus activities in line with the SDGs

| Focus Area                   | Indicator  |
|------------------------------|--|
| <b>Research Productivity</b> | Articles indexed in Scopus/WoS (2025)            |
| <b>Innovation</b>            | Granted patents                                  |
|                              | Patent applications                              |
| <b>Accreditation</b>         | Programs accredited by AQAS                      |
| <b>Internationalization</b>  | International Memorandum of Understanding (MoUs) |
| <b>Mobility</b>              | International staff mobility                     |
|                              | Outbound student exchange                        |
|                              | Inbound student exchange                         |
| <b>Rankings</b>              | UI GreenMetric Rank (Score)                      |
|                              | QS World University Rankings (WUR) 2026          |
|                              | QS Stars Rating                                  |
|                              | THE Interdisciplinary Science Rankings           |

# Our Strategy

## AzTU Strategy and Strategic Development

AzTU’s strategic framework is fundamentally aligned with its Mission, Vision, and long-term objectives, aiming to foster sustainable growth and cultivate an education system driven by innovation while enhancing its global competitiveness. The university’s strategic priorities for 2025 encompass:

- Strengthening Research and Innovation: Enhancing the university’s capabilities in research and innovation to address complex challenges and contribute to the advancement of knowledge and technology.
- Enhancing Academic Quality and Teaching Excellence: Committing to high standards of academic performance and delivering exceptional teaching to ensure students receive a comprehensive and impactful education.
- Institutionalizing Quality Assurance Systems: Developing robust quality assurance frameworks to continuously monitor and improve educational and operational processes, ensuring accountability and excellence.
- Expanding Internationalization and Global Reputation: Actively pursuing partnerships and collaborations worldwide to enhance the university's international presence and reputation, making it a preferred choice for students and researchers globally.
- Ensuring Financial Sustainability and Efficient Resource Management: Fostering a solid financial foundation through strategic resource allocation and management, ensuring long-term operational viability and growth.
- Advancing Digital Transformation and Data-Driven Governance: Embracing digital technologies to improve administrative efficiency, enhance learning experiences, and support data-informed decision-making in governance and management processes. Through these strategic initiatives, AzTU aims to position itself as a leading institution committed to excellence in education, research, and community engagement globally.





Research and Innovation  
Activities

## Research and Innovation

In 2025, Azerbaijan Technical University (AzTU) enhanced its commitment to fostering a vibrant research environment by implementing several key initiatives. These included establishing interdisciplinary research centers to facilitate collaboration among faculty and students across various fields of study. By focusing on cutting-edge technologies and emerging trends, AzTU aimed to position itself as a leader in innovative research. Additionally, the university prioritized building strategic partnerships with international institutions to enable knowledge exchange and joint projects that would elevate its global

standing. This collaboration not only increased the visibility of AzTU's research contributions but also provided students and researchers with opportunities to engage in meaningful international experiences. The emphasis on applied innovation was crucial, as AzTU sought to translate research findings into practical solutions that addressed local and regional challenges. By engaging with industry stakeholders, the university aimed to ensure its research had a tangible impact on Azerbaijan's socio-economic landscape. Furthermore, a robust funding strategy was implemented to support

research initiatives, attracting both public and private investment. The focus on quality and measurable outcomes in research projects helped secure grants and enhance the overall sustainability of the research ecosystem at AzTU. Through these efforts, Azerbaijan Technical University aspired not only to elevate its academic reputation but also to contribute significantly to the scientific community and the betterment of society as a whole.



## Research and Innovation



### Institutional Approach & Research Strategy

Research and innovation are central to Azerbaijan Technical University's (AzTU) institutional development and play a vital role in enhancing its academic reputation, international visibility, and contributions to socio-economic progress. In 2025, AzTU focused on strengthening its research ecosystem by implementing a performance-oriented, data-driven approach aimed at improving research quality, fostering international collaboration, and promoting applied innovation.



### Research Performance & Scientific Output

Based on data from Scopus/SciVal covering the year 2025, Azerbaijan Technical University produced 450+ scholarly publications by an active research community of authors. These publications in last years received a total of 4,647 citations, resulting in an average of 3.2 citations per publication, indicating stable research productivity and increasing global visibility. The university's h-index is 23 reflects a sustainable core of influential research outputs, while the Open Access share of 34% demonstrates AzTU's commitment to making its research findings accessible and impactful for society.



### Research Quality & Impact

The Field-Weighted Citation Impact (FWCI) of AzTU publications for the analyzed period stands at 0.53, indicating that overall citation performance is below the global average. However, a subset of the research demonstrates significant international impact: 69 publications (4.7%) rank among the top 10% most-cited worldwide, and 57 publications (4.8%) are featured in journals within the top 10% for CiteScore. These results confirm the presence of high-quality research clusters within the university and provide a clear foundation for targeted initiatives aimed at enhancing citation impact, journal quality, and international research visibility.

## Research and Innovation



### Research Collaboration & International Engagement

Collaboration analysis reveals that 25.2% of AzTU's publications involve international co-authorship, leading to better citation performance compared to solely national or institutional outputs. This underscores the positive influence of international collaboration on research quality and emphasizes the strategic importance of expanding joint research efforts with foreign partners. National and institutional collaboration remains strong, while academic-industry collaboration accounts for only 0.7% of total outputs, indicating significant potential for growth in applied research and innovation-driven partnerships with industry.



### Innovation and Intellectual Property

AzTU's innovation activities focus on transforming scientific research into practical technological solutions. In 2025, the university filed for 14 approved patents and submitted 25 additional patent applications, reflecting an effective research-to-innovation pipeline. These achievements demonstrate AzTU's ability to generate intellectual property and contribute to technological development both nationally and internationally. To support innovation and applied research, AzTU continues to enhance institutional mechanisms that encourage patenting, prototype development, and participation in technology-oriented competitions and projects.



### Strategic Outlook

The results achieved in 2025 confirm that Azerbaijan Technical University has established a solid research foundation, with clearly identifiable strengths and growth opportunities. In the next phase of development, strategic priorities will focus on:

- Increasing publication output in high-impact (Q1/Q2) journals
- Expanding international research collaboration and joint projects
- Strengthening academic-industry cooperation
- Enhancing citation impact and research visibility
- Concentrating resources on high-priority research areas

## Research and Innovation



### Research Profile and Disciplinary Strengths

AzTU's research profile is closely aligned with its mission as a technical university. The highest concentration of publications is found in Engineering, Computer Science, Mathematics, Energy, Physics and Astronomy, and Materials Science. This focus aligns with both national development priorities and the growing international demand for applied, technology-oriented

research. Additionally, an analysis of high-prominence global research topics reveals that AzTU researchers are actively engaged in fields such as optimal control theory, systems and signal processing, waveguide technologies, service optimization, intelligent systems, and applied mathematical modeling. These areas provide a robust foundation for future interdisciplinary research and partnerships with industry.

### Research Governance & Institutional Support

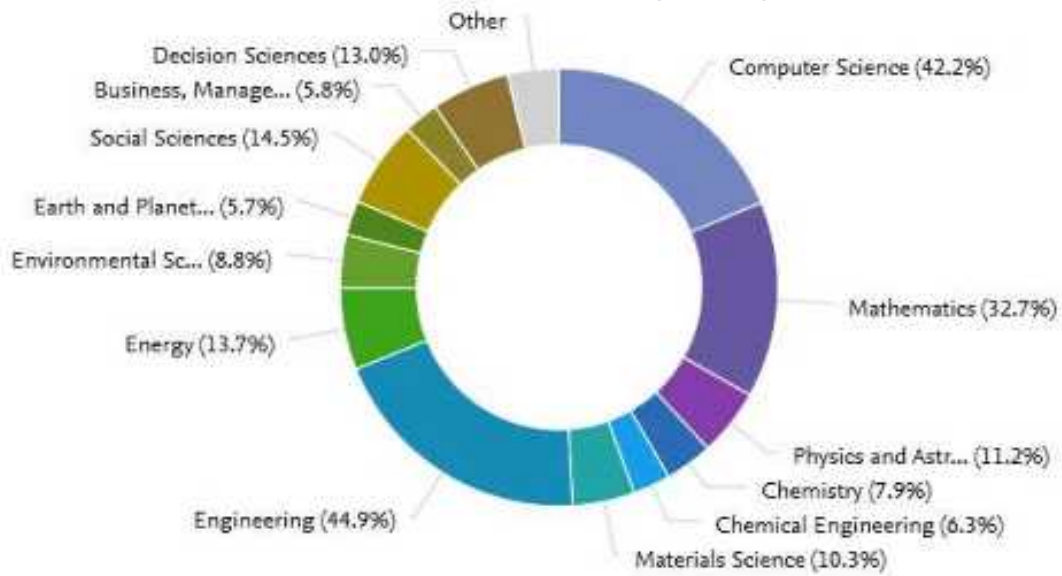
Research management at AzTU is grounded in strategic planning, KPI-based monitoring, and transparent funding mechanisms. The introduction of the E-Grant digital platform marks a significant advancement, ensuring competitive and merit-based allocation of internal research funding while prioritizing projects with high applied and innovation potential.

#### Analytical Conclusion

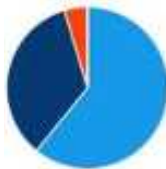
Research and innovation remain the key drivers of AzTU's growing academic reputation and its strengthening position in the international scientific landscape.

## Some Facts

### Publication share by Subject Area

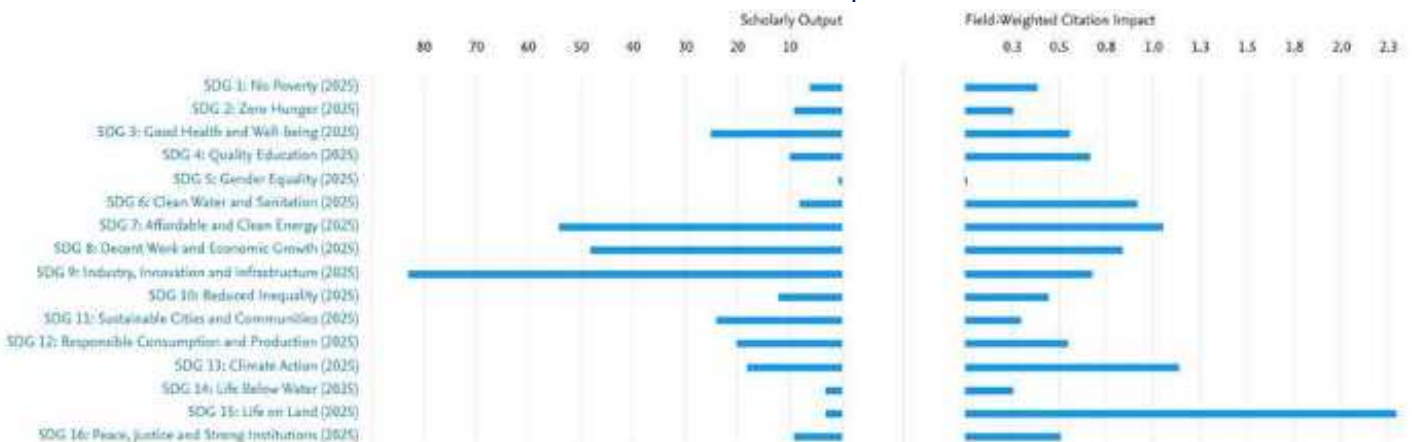


### Geographical Collaboration - Overall



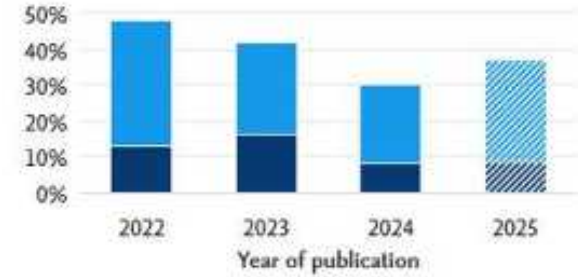
| Metric                               | Scholarly Output | Scholarly Citations | Citations per Publication | Field-Weighted Citation Impact |      |
|--------------------------------------|------------------|---------------------|---------------------------|--------------------------------|------|
| International collaboration          | 60.9%            | 106                 | 4,479                     | 42.3                           | 5.14 |
| Only national collaboration          | 34.5%            | 60                  | 366                       | 6.1                            | 1.41 |
| Only institutional collaboration     | 4.6%             | 8                   | 172                       | 21.5                           | 2.42 |
| Single authorship (no collaboration) | 0.0%             | 0                   | 0                         | 0.0                            | -    |

### SDGs (Sustainable Development Goals)



# Some Facts

## Outputs in Top 10% Citation Percentiles (field-weighted)

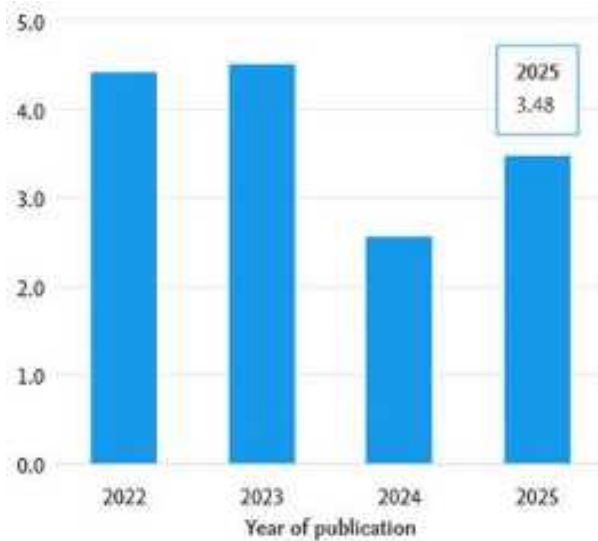


68 (39.1%)

number of publications in the top 10% most cited publications worldwide

- % publications in top 10% most cited
- % publications in top 1% most cited
- ▨ Incomplete year

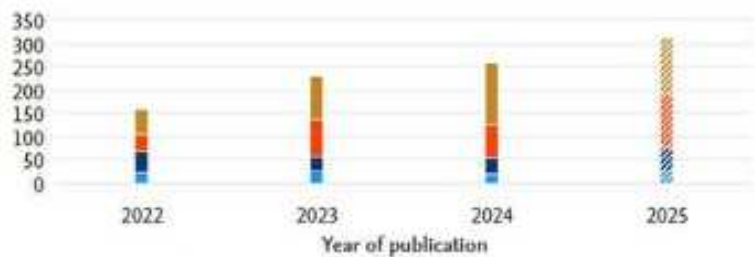
## Field-Weighted Citation Impact



3.73

Field-Weighted Citation Impact of 23andMe Inc.

## Journal quartiles



| Quartiles                | Publications | Publication share (%) |
|--------------------------|--------------|-----------------------|
| ■ Q1 (top 25%)           | 92           | 9.6                   |
| ◆ Q2 (26% - 50%)         | 167          | 17.4                  |
| ● Q3 (51% - 75%)         | 301          | 31.4                  |
| ▲ Q4 (76% - 100%)        | 400          | 41.7                  |
| <b>Cumulative shares</b> |              |                       |
| Q1 to Q2 (top 50%)       | 259          | 27.0                  |
| Q1 to Q3 (top 75%)       | 560          | 58.3                  |



Academic  
Excellence

## Academic Excellence

### Curriculum Structure and Enhancement

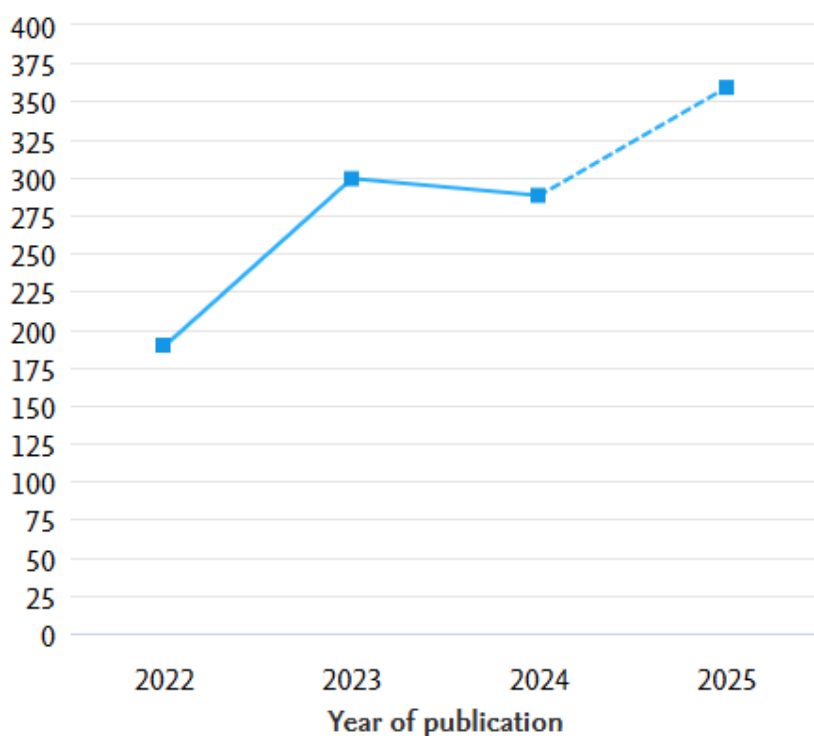
At Azerbaijan Technical University (AzTU), undergraduate, master's, and doctoral programs are aligned with the National Qualifications Framework and international academic standards. Curriculum updates have been informed by labor market demands, industry stakeholder feedback, and international best practices, with a strong emphasis on a learning outcomes-based education approach.

### Teaching Quality and Monitoring Mechanisms

To ensure teaching quality, internal monitoring mechanisms, student feedback surveys, and academic assessment tools have been implemented. These mechanisms support the continuous improvement of the teaching process and enable the systematic monitoring of course learning outcomes through measurable indicators.

### Digitalization and Innovative Teaching Methods

During the reporting year, the use of the Learning Management System (LMS), electronic library, and student information systems was expanded. Blended learning and digital teaching components were gradually integrated into the educational process. The implementation of an electronic examination system for oral assessments enhanced transparency and traceability in evaluation processes.



1,135

number of publications by authors at Azerbaijan Technical University

### Analytical Conclusion

Quality assurance mechanisms in academic activities have been strengthened, establishing a solid institutional foundation for the continuous enhancement of teaching quality.

## Startups at AzTU

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AzTU empowers young innovators to develop high-impact technological solutions. The projects showcased here—ranging from autonomous drones and 3D printing technologies to smart assistive devices—demonstrate our university’s role in fostering a new generation of tech-entrepreneurs. These prototypes are not just student projects; they are the foundations of future industrial breakthroughs

### Startups and Innovation Ecosystem

Azerbaijan Technical University (AzTU) is dedicated to promoting entrepreneurship and transforming innovative ideas into practical technological solutions. In 2025, the university continued to enhance its startup ecosystem by providing students and emerging researchers with vital infrastructure, mentorship, and industry-oriented training environments that encourage creativity, innovation, and an entrepreneurial mindset.

### Institutional Support for Startups

AzTU has fostered a supportive environment that allows early-stage startups and student-led innovation projects to progress from initial concepts to tangible prototypes. Key resources include specialized laboratories, innovation centers, and model enterprises that offer hands-on experience in real-world engineering and business processes. The KOB Model Enterprise plays a crucial role in developing entrepreneurial skills by immersing students in simulated and actual business environments, supported by modern technological infrastructure. This model effectively bridges the gap between academic learning and practical enterprise development.



## Startups at AzTU

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### Innovation Laboratories and Prototyping

The Cezeri Laboratory, established with the support of TİKA, serves as a central hub for prototyping and applied innovation. This laboratory enables students to design, test, and refine technological solutions, including robotic systems, autonomous devices, and smart engineering applications. Several prototypes developed at AzTU have been prepared for participation in national and international technology competitions, such as Teknofest Azerbaijan.

### Startups as a Component of Academic Excellence

Startup development at AzTU is closely integrated with academic programs, research activities, and experiential learning methodologies. Many student startup projects originate from coursework, graduation projects, or research initiatives, reinforcing the connection between education, research, and innovation. This approach helps students develop transferable skills, including problem-solving, teamwork, project management, and entrepreneurial leadership, thereby enhancing their employability and readiness for the industry.



## Startups at AzTU

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### Industry Engagement and Entrepreneurial Skills Development

Through partnerships with industry and technology-focused organizations, AzTU promotes exposure to real market needs and innovation challenges. Collaborating with external partners supports mentoring and applied training, aligning startup ideas with industry demand. These initiatives strengthen AzTU's contribution to the national innovation ecosystem and align with international indicators related to industry revenue, knowledge transfer, and the impact of innovation.

### AzTU's laboratories facilitate the growth of startups across various fields, including:

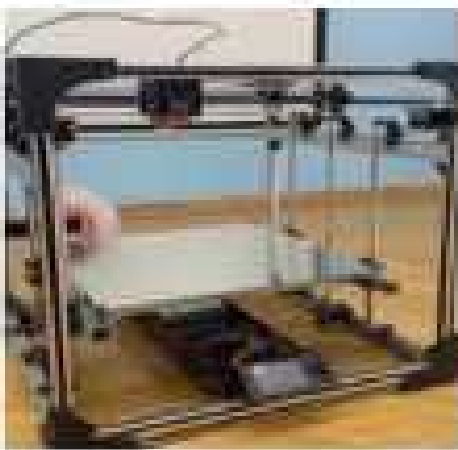
- Robotics and autonomous systems
- 3D printing and advanced manufacturing
- Smart assistive technologies
- Embedded systems and electronics

These facilities allow students to transform theoretical knowledge into functional products and entrepreneurial initiatives.

### Strategic Outlook

In the next phase of development, Azerbaijan Technical University aims to:

- Expand structured support mechanisms for student and early-stage startups
- Enhance mentorship and industry engagement for entrepreneurial teams
- Increase the commercialization of research and student innovations
- Improve the visibility of AzTU startups at national and international innovation platforms





Quality Assurance and  
Accreditation

## Quality Assurance and Accreditation

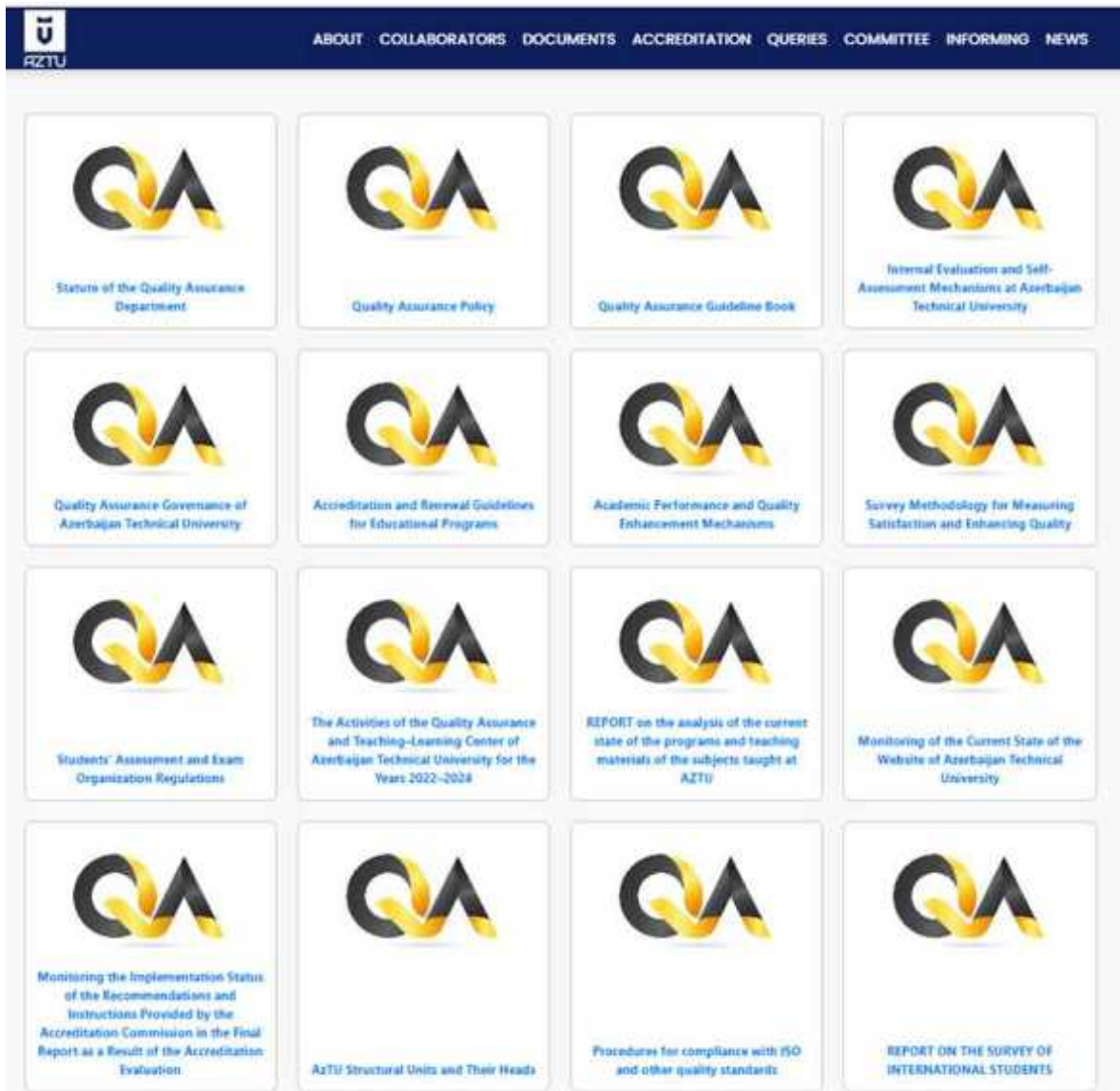
In 2025, quality assurance and the establishment of a quality culture at Azerbaijan Technical University (AzTU) were advanced as one of the key priority areas of institutional governance. The initiatives undertaken aimed to ensure the alignment of teaching, research activities, and administrative processes with international standards, to strengthen outcome-based approaches, and to promote continuous improvement.

### Institutional Establishment of the Internal Quality Assurance System

During 2025, the internal quality assurance system at AzTU was structured and attained a functional and institutional character. Within this

framework, internal regulatory documents, procedural guidelines, and institutional policies covering the planning of the teaching process, assessment mechanisms, human resources policy, research activities, and management processes

were developed and implemented. These documents enabled the establishment of a governance environment grounded in transparency, accountability, and measurable outcomes.



## Quality Assurance and Accreditation

In accordance with the agreement signed between the University and AQAS (Agentur für Qualitätssicherung durch Akkreditierung von Studiengängen), the international programme accreditation process for 20 academic programmes was conducted in 2025. Within the accreditation framework, curriculum structures, learning outcomes, competence-based approaches, the qualification level of academic staff, material and technical resources, teaching infrastructure, and internal quality assurance mechanisms were evaluated in line with international standards. This process contributed to the integration of AzTU's academic programmes into the international academic space and enhanced their competitiveness.

### Cluster 1: Machine engineering 12-16.01.2026



050623 – Materials Engineering (Bachelor)  
050627 – Metallurgical Engineering (Bachelor)  
050622 – Mechanical Engineering (Bachelor)

060601 – Materials Science and Engineering (Master's)  
060611 – Metallurgical Engineering (Master's)  
060612 – Mechanical Engineering (Master's)

### Cluster 2: Electrical engineering 27-31.10.2025



050607 – Electrical and Electronics Engineering (Bachelor)  
050634 – Automation of Processes Engineering (Bachelor)

060626 – Electrical Engineering (Master's)  
060628 – Automation of Processes Engineering (Master's)  
060608 – Power Engineering (Master's)

### Cluster 3: Computer engineering & IT 08-12.12.2025



050620 – Computer Engineering (Bachelor)  
050636 – Radio Engineering and Telecommunications Engineering (Bachelor)  
050616 – Information Technologies (Bachelor)

060631 – Computer Engineering (Master's)  
060627 – Electronics, Telecommunications, and Radio Engineering (Master's)  
060632 – Information Technologies and Systems Engineering (Master's)

### Cluster 4: Logistic & Transportation 19-23.01.2026

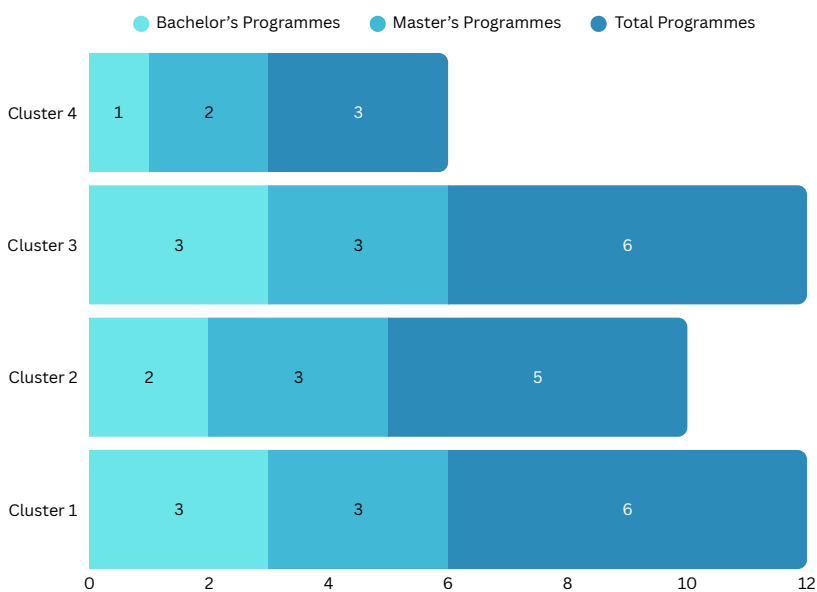


050621 – Logistics and Transportation Technologies Engineering (Bachelor)  
060622 – Surface Transportation Vehicles Engineering (Master's)

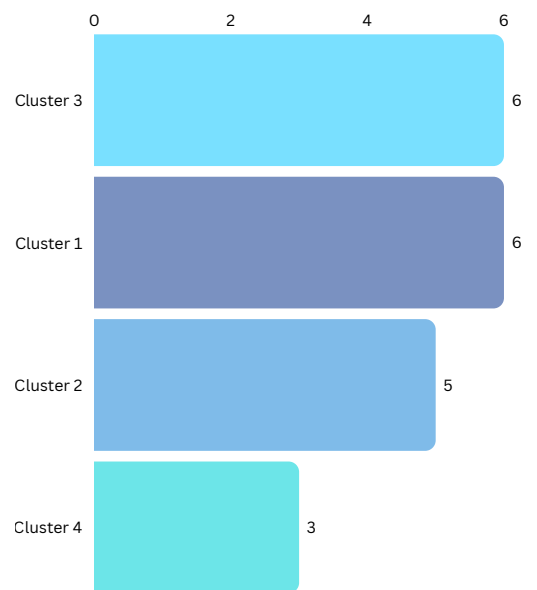
060623 – Engineering of Transportation Management and Operations (Master's)



Overview of Accredited Bachelor's and Master's Programmes by Cluster



AzTU Accreditation Timeline (2025–2026)



# Quality Assurance and Accreditation

## Updating of Curricula and Alignment with the Labor Market

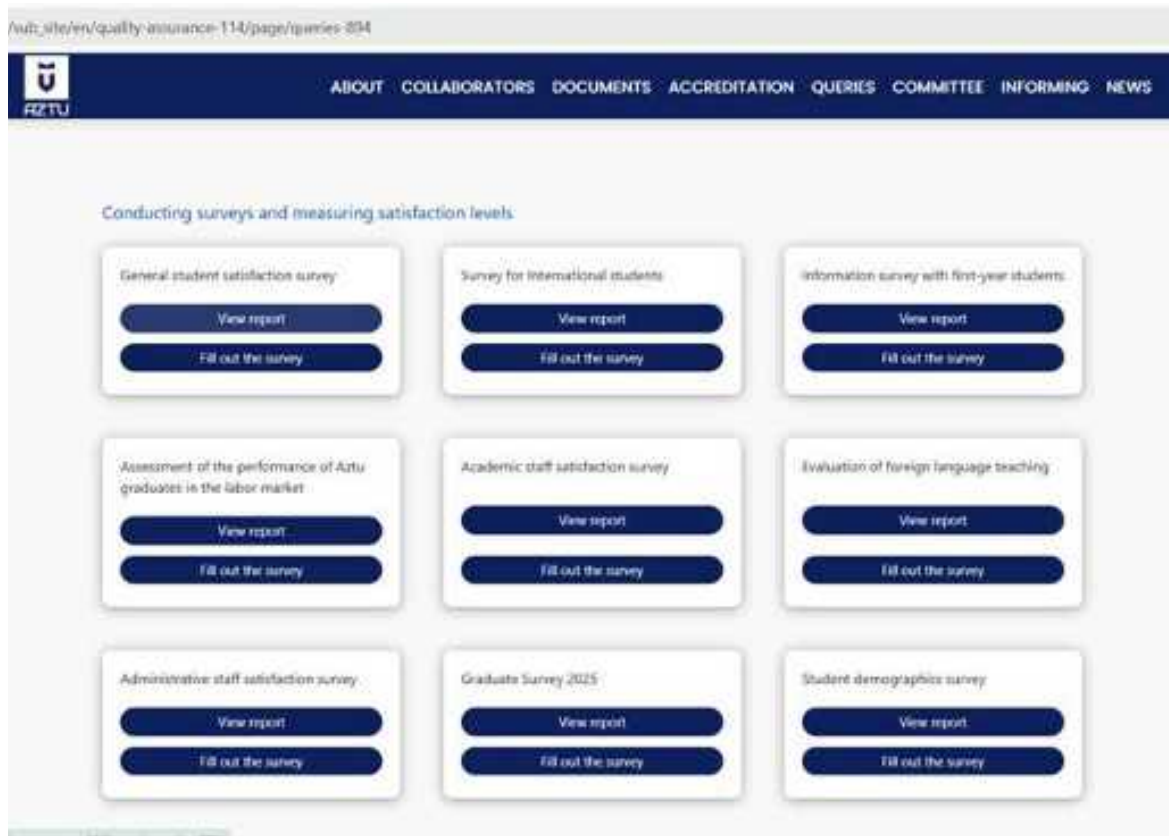
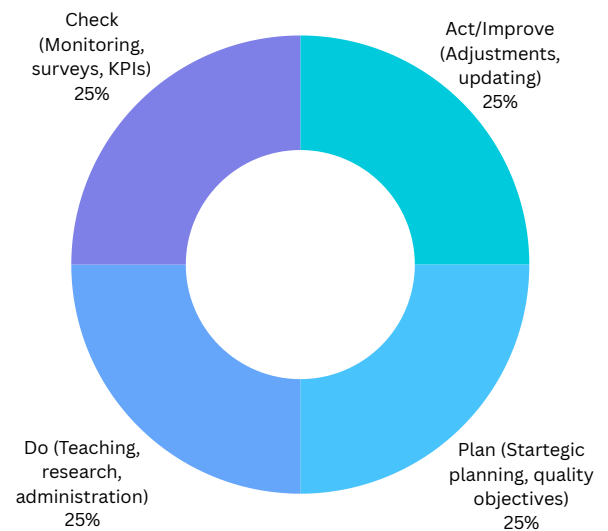
During the 2025 curriculum revision, the requirements of the labor market, feedback from industry partners, and graduate employment outcomes were taken into account. Syllabi were restructured based on learning outcomes and competencies, with a strengthened focus on the Outcome-Based Education (OBE) approach. These efforts aimed to enhance graduates' practical skills and improve their adaptability to the labor market.

## Stakeholder Engagement and Satisfaction Surveys

As one of the core principles of the quality assurance system, stakeholder engagement has been ensured. In 2025, regular satisfaction surveys were conducted among students, academic staff, and administrative personnel to assess indicators related to the teaching process, learning environment, quality of services, and management mechanisms. On the survey results, specific improvement action plans were developed and implemented.

## Continuous Quality Cycle (PDCA) and Risk-Based Approach

In 2025, the PDCA (Plan-Do-Check-Act) cycle was implemented at the institutional level at AzTU. This approach ensured the planning of activities, monitoring of implementation processes, evaluation of outcomes, and execution of continuous improvement measures. Simultaneously, risk-based assessments and early warning mechanisms were introduced to identify underperforming programs in a timely manner.



## Quality Assurance and Accreditation

### Digital Quality Assurance and Analytics

The use of electronic survey tools, learning management systems (LMS), and analytical reporting mechanisms has been expanded to monitor quality. Decision-making based on the collected data has enhanced the responsiveness and effectiveness of the quality assurance system.

### Cultivating a Quality Culture and International Rankings

Awareness-raising activities on quality assurance were conducted for academic and administrative staff, promoting the institutional adoption of a quality culture. Quality indicators were aligned with international standards.



### Analytical Outcome

As a result of the measures implemented in 2025, the quality assurance system at AzTU has been strengthened at the institutional level, the experience of international accreditation has been expanded, and a unified quality culture has begun to take root within the university. This approach has made a significant contribution to the continuous development of teaching and administrative activities, as well as to the improvement of international ranking and accreditation indicators.



# Finance & Institutional Stability

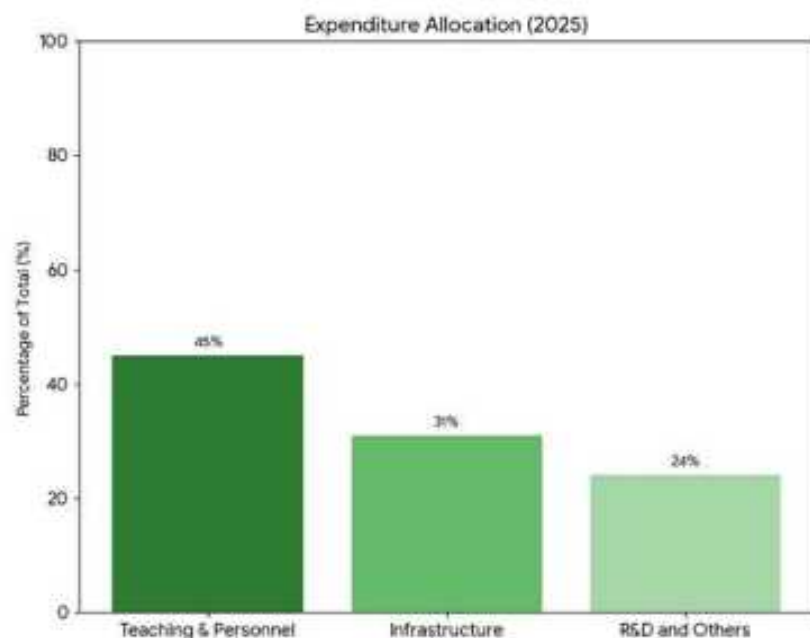
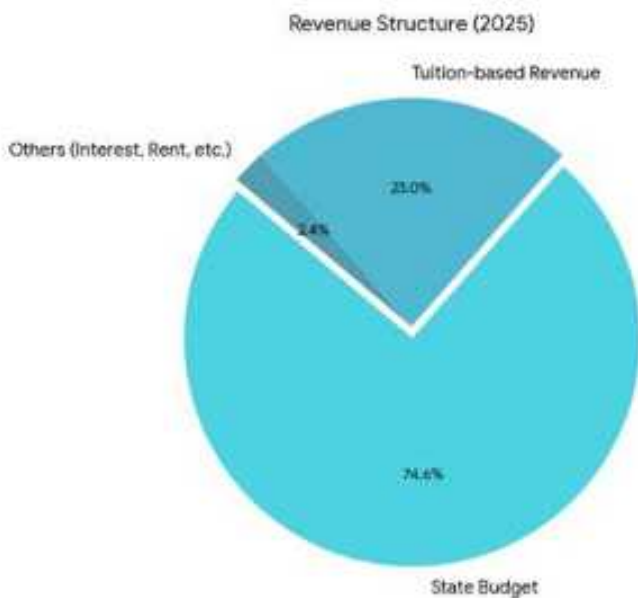
# Financial Performance and Institutional Sustainability

This report highlights the financial trajectory and strategic resource management of Azerbaijan Technical University (AzTU).

## Revenue Dynamics & Source Diversification

During 2025, the university achieved a near-perfect Revenue Execution Rate of 99%, signaling highly accurate financial planning and reliable funding streams.

- **Dominant Funding Structure:** The State Budget remains the primary pillar of institutional support. While dependence on state funding increased slightly, the university is actively pivoting toward a more diversified model.
- **Alternative Revenue Growth:** There is a notable upward trend in "alternative" income, which strengthens institutional sustainability by reducing financial risk. These include:
  1. **Research & Innovation:** Increased revenue from targeted R&D activities.
  2. **International Partnerships:** Funding from global projects and grants.
  3. **Commercial Services:** Academic services and specialized training.
- **Tuition Trends:** The share of revenue from Tuition-based sources decreased to 23% during 2024-2025, reflecting a shift in the university's income composition compared to previous years.



## Financial review

### Expenditure Efficiency & Human Capital Investment

The university maintains a lean operational profile with an Expenditure-to-Revenue Ratio of 82%, ensuring a consistent budget surplus and high liquidity.

- **Prioritizing the Academic Core:** 61% of all teaching-related expenditures are dedicated to the Academic Staff Salary Fund.
- **Competitive Compensation:** There was a significant 22% increase in the average academic salary compared to the prior academic year, demonstrating a commitment to attracting and retaining top-tier talent.
- **Infrastructure & Innovation:**
  1. 31% of total expenditures are allocated to Infrastructure, ensuring the modernization of the learning environment.
  2. **R&D Expansion:** The share of spending on Research and Development (R&D) is on an upward trajectory, aligning the budget with the university's innovation-oriented strategy.



AzTU is strategically converting its diverse revenue streams—sourced from both state funding and expanding alternative channels—into high-value investments such as human resource development and research initiatives. To ensure future transparency and long-term institutional stability, the university is transitioning toward performance-based budgeting and systematic risk monitoring.

### Analytical Review

In 2025, AzTU maintained financial stability, with revenue growth outpacing expenditure increases and a budget surplus preserved. Although dependence on the state budget has increased, effective management and high liquidity have minimized financial risks. Efficient use of resources and existing optimization opportunities suggest that expanding performance-based budgeting in the next phase is advisable.

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REPUBLIC OF AZERBAIJAN  
**AZERBAIJAN  
TECHNICAL  
UNIVERSITY**

Internationalization and  
Strengthening Global  
Position

## Internationalization and Strengthening Global Position

In 2025, internationalization activities developed as a core and priority component of AzTU’s strategic development vision. The university undertook systematic efforts to expand international collaborations, enhance academic mobility, and strengthen its position in global rankings.

### International Collaborations and Strategic Partnerships

In the reporting year, AzTU signed 80+ international collaboration memoranda.

These collaborations primarily involved the following countries:

- Turkey
- Germany
- Israel
- Uzbekistan
- Kazakhstan
- Pakistan

Notably, the agreement with Bar-Ilan University (Israel) for a dual-degree master’s program in the field of nano- and microelectronics is considered an important indicator of international academic integration.

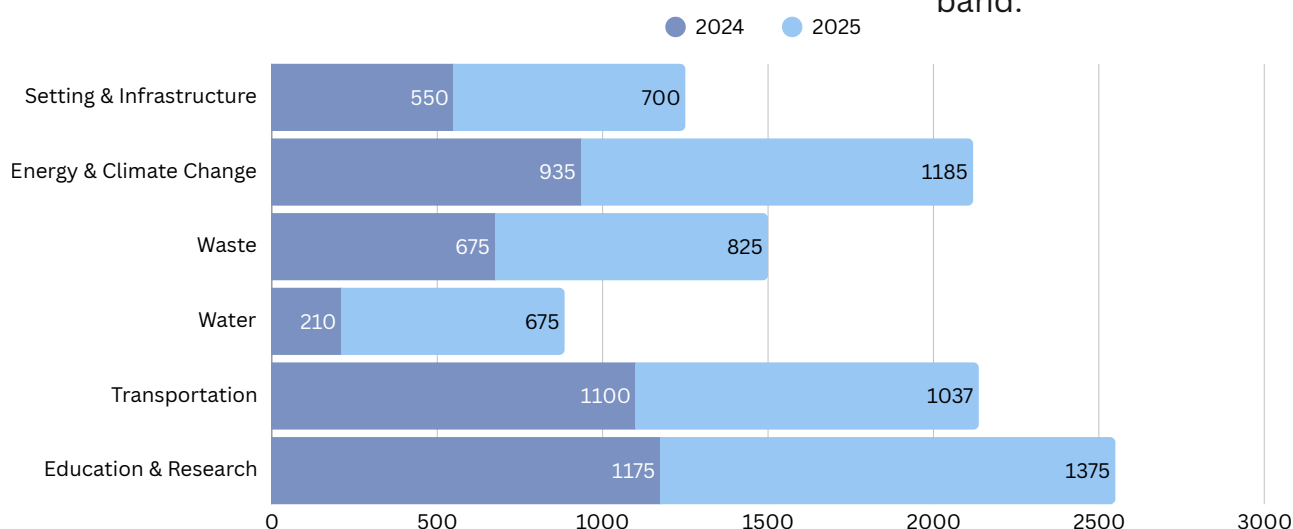
### Academic and Student Mobility

At AzTU, academic and student mobility continues to expand steadily within the framework of international and domestic collaborations. Through various exchange programs, students and academic staff gain opportunities for study and teaching at foreign universities. These mobility programs contribute to the enhancement of teaching quality and facilitate the transfer of international experience to the university. At the same time, the involvement of foreign academics in teaching and research at AzTU enriches the scientific environment.

### International Rankings and Institutional Position

In 2025, AzTU significantly improved its position in international ranking systems:

- UI GreenMetric 2025: rose from 1014th to 835th place (score: 4645 → 5798), reflecting a notable increase in performance;
- QS World University Rankings 2026: included for the first time, ranked within the TOP-1000 (band 851–900);
- QS Stars: awarded 5 stars (“Excellent”) on the first assessment;
- THE Interdisciplinary Science Rankings: ranked within the TOP-500;
- QS Sustainability Rankings 2025: placed in the 1501+ band.



### Analytical Outcome

The results achieved in the field of internationalization confirm that AzTU’s recognition in the global academic arena has increased and its international competitiveness has been strengthened.

## International Partner Universities of AzTU

|   |   |  |   |
|---|---|--|---|
|  20+ Countries |  100+ Partner Universities |  Joint Education & Research |  Academic & Student Mobility |
|---|---|--|---|

Azerbaijan Technical University has established extensive international cooperation with leading universities and research institutions across Europe, Asia, and the CIS countries. These partnerships aim to strengthen academic exchange, joint research activities, dual degree programs, and staff and student mobility. Currently, AzTU cooperates with higher education institutions from more than 20+ countries, contributing to the internationalization of education and research.

### **Our Global Presence**

**Regions:** Asia, Europe, Africa, Middle East

**Languages:** English, German, Turkish, Russian

**Become a Partner: [Link](#)**



## Collaboration

AzTU cooperates with international universities to implement joint research activities, academic exchange programs, and mobility initiatives, contributing to the internationalization of education and research.





Sustainable  
Development Goals

## Sustainable Development Goals

In 2025, AzTU continued to systematically integrate the principles of the United Nations Sustainable Development Goals (SDGs) into teaching, research, campus management, and institutional policies.

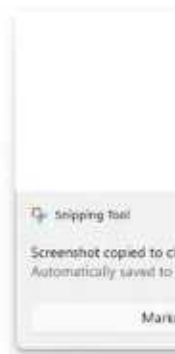


### Sustainable Development Goals

Choose a goal to explore the activities on the SDGs!



### Policies



### SDG Policies and Institutional Framework

Institutional policies have been systematized within the university's SDG platform (Policies section).

These policies have strengthened AzTU's commitments to social responsibility and sustainable development at the institutional level.

### KPIs for SDG Activities (2025)

In 2025, the measurement of SDG-related activities was carried out using the following key performance indicators (KPIs):

<https://www.aztu.edu.az/sdg/the-17-goals/>

### Campus Operations and Resource Efficiency

Within the SDG framework, initiatives in campus operations were expanded in the following areas:

- Energy efficiency,
- Waste management,
- Environmental awareness.

These measures have had a positive impact on the university's Sustainability Rankings performance.

## Sustainable Development Goals

### SDG Key Words

The Sustainable Development Goals (SDGs) provide a global framework for addressing pressing social, economic, and environmental challenges. The key words associated with the SDGs are essential in education and research as they guide efforts toward solving these challenges. In education, SDG keywords help align curricula with global needs, promoting awareness, critical thinking, and solutions-oriented learning. In research, they foster interdisciplinary collaboration and innovation, driving evidence-based solutions for issues such as poverty, inequality, climate change, and health. Moreover, SDG keywords offer measurable targets to assess progress and encourage global citizenship. By integrating SDGs into both education and research, we empower individuals and communities to actively contribute to building a more sustainable and equitable world.

[More info: SDG Key Words PDF](#)

### SDG Curriculum Map

An SDG Curriculum Map is a strategic framework that integrates the United Nations' Sustainable Development Goals (SDGs) into university education, ensuring that academic programs, research, and campus operations align with global sustainability challenges. By mapping SDGs to specific courses and disciplines, universities can promote interdisciplinary learning, foster innovation, and prepare students to address urgent global issues such as climate change, inequality, and poverty. This approach not only enhances the relevance and impact of education but also cultivates global citizenship, equips students with critical problem-solving skills, and strengthens universities' role in advancing sustainable development. Ultimately, an SDG Curriculum Map helps universities contribute meaningfully to a sustainable, equitable future while improving their academic and social impact.

[More info: Subject Correlation Designed PDF](#)



### Analytical Outcome

The systematic integration of SDG activities at AzTU demonstrates the strengthening of the university's social responsibility and its sustainable development-oriented institutional management.

## Our SDG Team

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**Team Leader**  
**Subhan Namazov**



**Director of SDG Team**  
**Bakhtiyar Badalov**



**Manager of SDG Team**  
**Parvana Movsumova**



**Join us**



Strategic Priority  
Directions (2026)

## Strategic Priority Directions (2026)

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Based on the results achieved in 2025, the strategic priorities for 2026 have been defined as follows:



Deepening research activities and increasing international impact



Harmonization of academic programs and enhancement of teaching quality



Strengthening the quality culture and developing the internal quality assurance system



Development of academic human resources and optimization of personnel potential



Results-oriented management of internationalization activities



Strengthening financial sustainability and efficient resource management



Advancement of digitalization and data-driven management

The structural reforms implemented during the fiscal year toward achieving the entity's strategic objectives played a pivotal role in optimizing operational efficiency. In this period, the integration of innovative solutions served as a fundamental factor ensuring the sustainable growth momentum of our market share.

# Key Achievements in 2025

## International Ranking Position of Azerbaijan Technical University



AzTU entered the QS World University Rankings 2026 for the first time (851–900) and improved its QS Sustainability Ranking, placing 1501+ globally, 582nd in Asia, and 5th in Azerbaijan, reflecting its ESG impact.

In 2025, AzTU received a 5-star (“Excellent”) evaluation in the QS Stars international assessment, recognizing strengths in teaching, research, diversity, internationalization, employability, and infrastructure.

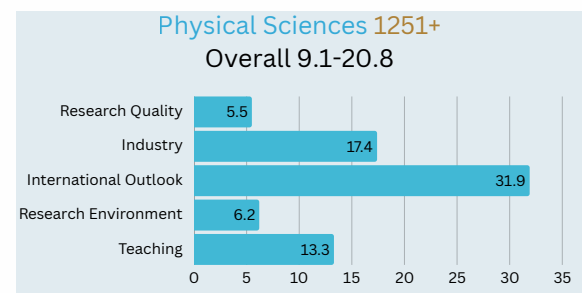
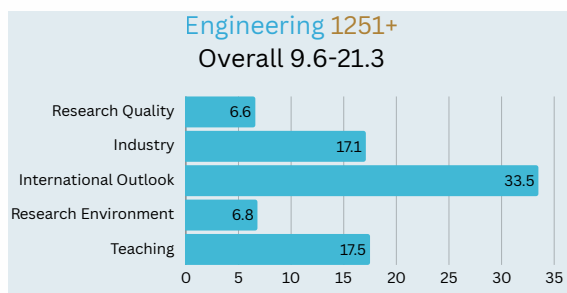
AzTU was ranked 476th in the QS World University Rankings Europe 2026, and also performed strongly in West Asia region (top 30).



Times Higher Education Rankings AzTU earned placement in the 1501+ category of the Times Higher Education World University Rankings 2026, demonstrating its growing global academic presence.

Azerbaijan Technical University (AzTU) is ranked in the 401–500 band in the Times Higher Education Interdisciplinary Rankings, reflecting its growing strength in interdisciplinary research.

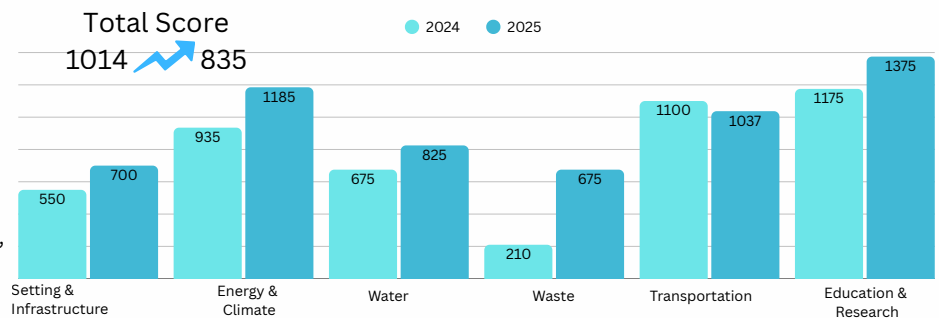
AzTU is listed in the 1501+ band in the Times Higher Education Impact Rankings 2025 – meaning it is ranked beyond 1501st place among global universities contributing to the UN Sustainable Development Goals (SDGs).



First Inclusion in THE Subject Rankings. For the 2026 subject rankings released by Times Higher Education, AzTU has been included for the first time in this category, placing in the 1251+ band overall.



AzTU improved its sustainability performance, rising to 835th place in the UI GreenMetric World University Rankings 2025 from 1014th in 2024 – with notable progress in infrastructure, energy/climate change, waste, water, and research indicators.



### Analytical Outcome

The results achieved in the field of internationalization confirm that AzTU’s recognition in the global academic arena has increased and its international competitiveness has been strengthened.

# Key Achievements in 2025

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## Research, Innovation, and Knowledge Transfer

- 450+ Scopus and Web of Science indexed publications
- 14 approved patents and 25 patent applications, demonstrating a strengthened research-to-innovation pipeline
- Increased citation impact and interdisciplinary research collaboration
- Launch of the E-Grant digital platform, ensuring transparent and merit-based research funding

## Events & International Conferences

The University organized and co-hosted numerous international and scientific conferences focused on critical issues, such as minimizing climate change risks, advancing artificial intelligence,

and driving industrial innovations.

One of the highlights was hosting the 2nd International Chapter of FICS 2025 innovation competition, where student teams from Azerbaijan and various countries united to present their startup ideas and cultivate cross-border collaborations.

## Quality Assurance and Accreditation

- Successful AQAS international accreditation of 20 academic programs across engineering and IT disciplines
- Full institutionalization of the internal quality assurance system based on the PDCA cycle

## Financial Performance and Institutional Stability

- 99% execution rate of planned revenues
- Maintained a positive expenditure-to-

revenue ratio of 82% ensuring financial sustainability

- Increased investment in research, infrastructure, and human resources

## Internationalization and Mobility

- More than 80 international Memoranda of Understanding (MoUs) are in force.
- Expanded academic and student mobility: international staff mobilities, outbound students, and inbound students mobilities.
- Strategic partnerships established with universities across Europe, Asia, and the Middle East.

# Key Achievements in 2025

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## Sustainability Integration

Sustainability is becoming a core principle woven throughout the curricula at AzTU, empowering students to cultivate a strong sense of environmental and social responsibility alongside their technical skills. Our academic programs now seamlessly incorporate sustainability topics into courses focused on engineering, energy, and technology. Research initiatives actively tackle critical issues such as climate change, clean energy, and sustainable industrial development. AzTU is dedicated to fostering interdisciplinary research that aligns with the UN Sustainable Development Goals. On campus, we are advancing our sustainability commitment through enhanced energy efficiency, effective waste management, and innovative green infrastructure projects. Together, these initiatives enhance AzTU's role in promoting sustainable development on both national and global stages.

## Industry Collaboration & Employability

AzTU enhanced its collaboration with both national and international industry partners, leading to the establishment of new internship and practical training opportunities for students. The curricula were increasingly tailored to meet the demands of the job market. Industry professionals participated in lectures and collaborated on joint projects. As a result of this hands-on educational approach, graduate employability saw notable improvement. These partnerships further solidified AzTU's commitment to workforce development.

## Student Development & Campus Life

The university actively prioritized student growth beyond just academics. They broadened opportunities for career guidance, entrepreneurship, and leadership activities. Student organizations and innovation competitions saw increased engagement.

Cultural and social events greatly enhanced the vibrancy of campus life. Additionally, support services for students were elevated. These efforts fostered a more dynamic and inclusive environment at the university.

## Digital Transformation

In 2025, AzTU made significant strides in integrating digital technologies into its teaching and learning methods. The adoption of learning management systems became widespread across various faculties. The implementation of digital assessment and evaluation tools led to greater transparency and efficiency in the educational process. Additionally, administrative processes saw substantial improvements due to increased digitalization. Overall, this digital transformation enhanced both the quality and resilience of the educational framework.

## Final Evaluation

The results achieved in 2025 demonstrate that AzTU has made measurable progress in institutional development, research and innovation, academic quality, internationalization, and sustainable development.

Scientific publications, patent outputs, international accreditation, mobility programs, and ranking results confirm the university's enhanced international competitiveness. In the upcoming period, strategic priorities should focus on

increasing research impact, expanding the international grant portfolio, optimizing human resources, and deepening performance-based management.

| Strategic Direction  | Quantitative Indicators (2025)   | Quality Impact and Strategic Outcome  |
|--|--|---|
| Research and Innovation  | A total of 456 indexed publications, comprising 369 Scopus and 87 Web of Science (WoS) articles. | Alongside scientific productivity, the share of research with high applied value has increased, establishing a sustained innovation trajectory.       |
|  | 14 approved patents  |   |
|  | 25 patent applications   |   |
| Academic Activities and Teaching Quality                       | Academic staff salaries +20%   | A results-oriented and competitive teaching model has been established, strengthening human capital development and academic motivation.              |
|  | 69 international students (English preparatory program)  |   |
|  | International student and faculty mobility   |   |
| Quality Assurance and Accreditation                            | AQAS international accreditation for 20 programs   | Quality assurance has been systematized at the institutional level, with continuous improvement mechanisms applied through the PDCA cycle.            |
|  | Regular satisfaction surveys   |   |
| Financial Performance and Institutional Sustainability         | Increased share of R&D expenditures  | Efficient use of resources has been ensured, creating an institutional basis for the transition to performance-based budgeting.                       |
|  | Gradual growth of alternative revenue sources  |   |
| Internationalization and Global Position                       | 80+ international collaboration memorandum   | International recognition has advanced to a qualitatively new level, marking AzTU's transition from a regional to a globally competitive environment. |
|  | QS WUR 2026: TOP-1000 (851–900 band)   |   |
|  | QS Stars: 5 stars  |   |
|  | THE ISR: TOP-500   |   |
|  | UI GreenMetric: 1014 → 835   |   |
| Sustainable Development (SDG) and Institutional Responsibility | 18 SDG-based courses/modules   | SDG principles have been integrated into teaching, research, and management, strengthening social and environmental responsibility.                   |
|  | 14 SDG research projects   |   |
|  | 27 SDG activities  |   |



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