Career Prospects

Graduates in mechanical engineering find themselves with access to a wide array of career opportunities across diverse industries, including aerospace, automotive, energy, biomedical, and manufacturing. Fuelled by a robust foundation in mathematics and science, alongside their specialized mechanical engineering knowledge, graduates of this program emerge well-prepared to excel in their chosen careers and contribute positively to the global landscape. Mechanical engineers find their expertise in demand across a multitude of sectors, some of which include:

- Aerospace Industry
- Automotive Industry
- Chemicals Industry
- Construction Industry
- Defense Industry
- Fast-moving consumer goods Industry
- Marine Industry
- Materials and metals Industry
- Oil and Gas Industry
- Pharmaceuticals Industry
- Power generation Industry
- Rail Industry
- Utilities Industry
- and numerous others

This diverse spectrum of industries reflects the adaptability and significance of mechanical engineering professionals, who play a vital role in shaping various sectors of our world.

Scholarship Opportunities

Khazar University provides several merit-based scholarships. Please visit the website through QR code for more information on how Khazar University seeks to make your education affordable.

Full Scholarships are offered by the Government of the Republic of Azerbaijan for citizens of Non-Aligned Movement and Organization of the Islamic Cooperation countries.

Student Support

- Visa support
- Accommodation
- Welcome Events
- Health Care Center
- Psychological Counseling Center
- Library Information Center
- Student Ombudsman
- Center for Students with Disabilities

Tuition Fee

Please see https://international.khazar.org/ or scan the QR code.

Contact Us

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mecheng@khazar.org
www.khazar.org
khazarinternationalOffice
khazaruni_international_office
worldandkhazar
Khazar University, 41 Mehseti Str, Baku, AZ1096 Azerbaijan

Admission

Khazar University offers a variety of programs and a welcoming environment for expanding your horizon. More detailed information on entry requirements can be found at: https://international.khazar.org/

For more Scholarship opportunities visit the website through QR code.

Nihad Ibrahimov
Khazar University alumnus
BS in Mechanical Engineering

“I feel extremely privileged to be associated with such an esteemed organization such as Khazar University, where students are enabled to innovate on their own and create achievable milestones with the support and guidance of its talented and experienced faculty and staff. My heartiest gratitude to the Department of Mechanical Engineering and all my teachers whose support, guidance and encouragement helped me to achieve my goal.”

Mechanical Engineering
Bachelor Studies
Curriculum
Length of Studies:
4 years (256 ECTS*)

University Requirements:
86 ECTS
General Education Requirement:
38 ECTS
Major Requirements:
132 ECTS
Core courses:
90 ECTS
- Statics
- Dynamics
- Materials Science
- Strength of Materials
- Manufacturing Technologies
- Fluid Mechanics
- Thermodynamics
- Heat Transfer
- Technical Drawing and Design
- Fundamentals of Computer Programming
- Fundamentals of Electrical Engineering
- System Dynamics and Control
And others

Electives: 30 ECTS
- Renewable Energy Systems
- Heating, Ventilation and Air Conditioning
- Internal Computation Engines
- Introduction to CNC Machining
- Nondestructive Testing Methods
- Product Design and Process
- Principles of Turbomachinery
- Mechatronics
And others

Internship: 12 ECTS

*European Credit Transfer and Accumulation System (ECTS)

Semester dates
Fall semester:
September 15 – December 30
Spring semester:
February 10 – May 31

For Academic Calendar please scan the QR code.

Why study at Khazar University?

1 Top-ranked Azerbaijani University in the world international rankings
The top university in Azerbaijan, according to the 2022 QS Emerging Europe and Central Asia University Rankings.
Khazar University is the sole Azerbaijani higher education institution that has been ranked among the top 150 world’s younger academic institutions by QS Top 50 Under 50 University ranking.

2 Highly qualified faculty
Highly skilled teaching staff bring their real-world experience to the classroom.

3 International vibrant environment
International students from more than 35 countries.

4 Wide choice of degree programs
45 bachelor’s and master’s programs taught in English.

5 International exchange opportunities
Khazar has 216 partner universities in 52 countries.

6 Successful graduates
Nearly 85% of Mechanical Engineering alumni are employed within 6 months after graduation.

7 Fantastic student support services
In 2023, Khazar University received a commendation from the Ministry of Science and Education for its enhanced support to international students over the past five academic years.

8 Active students’ life
More than 20 student clubs and organizations brighten up student life.

Program Overview
The BS Mechanical Engineering degree program offers a comprehensive education in the principles of mechanical systems and their applications. Through a blend of theoretical coursework and hands-on experiences, students gain a deep understanding of mechanics, thermodynamics, materials science, and design principles. Practical labs, projects, and workshops provide opportunities to apply theoretical concepts to real-world scenarios, fostering problem-solving skills and innovation. Graduates emerge equipped with the expertise to design, analyze, and optimize mechanical systems in industries such as manufacturing, automotive, aerospace, energy, and robotics, among others. This program not only imparts technical knowledge but also cultivates critical thinking and teamwork, preparing students for a diverse range of engineering roles and career paths.