

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. Fueled 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.



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



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.

Contact Us

- ☎ +994 12 421 1093 (227)
- ✉ 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



Tuition Fee

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



Student Support

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

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.

Ranked 601-800 in Times Higher Education Impact Rankings 2023. Placed in 301-400 tier in SDG4 Quality Education.

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.

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 Combustion Engines
- Introduction to CNC Machining
- Nondestructive Testing Methods
- Product Design and Process
- Principles of Turbomachinery
- Mechantronics
- 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.

