

Career Prospects

Graduates of the Chemical Engineering Bachelor program enjoy a wide range of career opportunities. They often secure positions in various sectors, including industrial companies, research institutions, non-profit organizations, and government bodies. Their proficiency qualifies them for leadership roles in both local and global enterprises, as well as engineering consulting firms and other prestigious organizations.

These graduates can pursue employment in sectors such as oil and gas, petrochemicals, polymers, manufacturing, pharmaceuticals, food, and hygiene industries, among others. Notable companies offering job positions include SOCAR, BP, AzerSu, and various engineering consulting firms.

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



Zeynab Farzizada
Khazar University alumna

“ I am presently enrolled in the Erasmus Mundus Chemical Nanoengineering (CNE) master's program, a collaborative venture involving Aix-Marseille University, Tor Vergata University of Rome, and Wroclaw University of Science and Technology. Khazar University stands as an indispensable cornerstone of my academic journey.

The institution's immersive internship program, coupled with active engagement in co-authoring scholarly book chapters and participation in technology competitions, effectively helped me decide my career trajectory. Khazar's academic profundity culminated in the honing of my pragmatic expertise, a pivotal stride towards securing acceptance into my dream master's program. ”

Scholarship Opportunities

Khazar University provides a number of 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.

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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



Chemical Engineering
Bachelor Studies



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

The Chemistry and Chemical Engineering Department has a strong research focus and is home to experts in the field. The department's faculty is committed to providing students with the best possible education.

3 Strong links with industry

The department's faculties are also affiliated with local and international industrial giants like SOCAR and BP, fostering a strong educational-industry connection for the students.

4 Research-oriented education

We strongly encourage and support undergraduate students to participate in Nanotechnology Laboratory research projects and publish their research findings. Our undergraduate students have shown great potential in conducting research and publishing scientific papers. These experiences greatly enhance their CVs and contribute to the development of their academic and industry careers.

5 Applying abroad for graduate programs

A number of our undergraduate students secure scholarships from renowned international universities, enabling them to pursue master's and PhD studies abroad.

6 International vibrant environment

International students from more than 35 countries.

7 Wide choice of degree programs

45 bachelor's and master's programs taught in English.

8 International exchange opportunities

Khazar has 216 partner universities in 52 countries.

9 Successful graduates

Nearly 85% of Khazar chemical engineering alumni are employed within 6 months after graduation.

10 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.

11 Active students' life

More than 20 student clubs and organizations brighten up student life.

Program Overview

Chemical Engineering program is a four-year undergraduate program that offers students comprehensive training in the fundamentals of chemical engineering, equipping them with the knowledge and skills necessary for success in the field. The curriculum covers a wide range of topics, including nanotechnology, biotechnology, and environmental protection, preparing students to tackle the challenges presented by the rapidly evolving engineering landscape. The program allows students to draw knowledge from various academic disciplines, enabling them to develop the essential skills required by engineers. Moreover, the program provides students with extensive exposure to both engineering and research specializations.

Curriculum

Length of Studies:

4 years (256 ECTS*)

University Requirements:

54 ECTS

General Education Requirement:

38 ECTS

Major Requirements:

158 ECTS

Core courses:

116 ECTS

- Introduction to Chemical Engineering
- Thermodynamics
- Material and Energy Balance
- Material Science
- Heat and Mass Transfer
- Fluid Mechanics
- Separation Processes
- Mathematical Modeling in Chemical Engineering
- Process Design and Simulation
- Process Design and Optimization
- Process Control and others

Electives: 42 ECTS

- Petrochemical Products
- Renewable Energy
- Bio-Engineering
- Nano-Engineering
- Alternative Fuel Technology and others

Internship: 6 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.

