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.

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.

Zeynab Farzizada
Khazar University alumnus

"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 Wrocław 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."

Contact Us

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

Admission

For more Scholarship opportunities, visit the website through QR code.
Why study at Khazar University?

1. Top-ranked Azerbaijani University in the world international rankings

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

Internship: 6 ECTS

Electives: 42 ECTS
- Petrochemical Products
- Renewable Energy
- Bio-Engineering
- Nano-Engineering
- Alternative Fuel Technology and others

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

For Academic Calendar please scan the QR code.