



# WELCOME to KHAZAR UNIVERSITY



Dear Friend,

The Khazar University motto of “always leading the way” has a long history. Its conceptual blueprint was developed by defining its own character and based on the experience of the foremost higher education institutions of Europe and America. When the university opened its doors in early 1991, it became the first private university in the (Soviet) Republic of Azerbaijan, and in fact, in the entire former Soviet Union.

One of the distinguished features of Khazar that sets it apart from its peer universities in Azerbaijan is its commitment to use English as the medium of instruction, preparing alumni to keep up with cutting edge developments in their fields as they go out into a rapidly globalizing world.

Khazar is more than just a university. It offers a life-long learning education, from preschool, primary and secondary school (via its affiliate “Dunya” School) all the way to PhD and post-doctorate studies. And even beyond being an educational institution, Khazar created an environment that nourishes people’s love of knowledge and culture, whetting their desire to work and learn. Its atmosphere is a magnet attracting scholars and students to the joy of challenge and discovery.

Khazar has always been committed to academic freedom. It places a strong emphasis on international partnerships and programs, regularly participating in exchanges of students, scholars and instructors with universities around the world. The university also strives to cultivate a rich cultural life, encouraging the expression of both Azerbaijani and international traditions, values, and arts.

I hope that in the following pages, you will get a feel for what Khazar University has to offer and how you can get involved with us as we lead the way!

Sincerely,

Hamlet Isaxanli  
*Khazar University Founder  
Chairman of Board of Directors and Trustees*



# WELCOME to KHAZAR UNIVERSITY



## Why Khazar?

- Student-centered system of teaching and learning
- English as a primary language of instruction
- Flexible credit-based education model
- Curricula and course development based on the leading Western education models
- High quality and constantly updated degree programs that comply with modern educational standards
- Close cooperation with industries and businesses
- High employment opportunities at international and local companies
- Easy admission process for international students
- Language support services through the intensive classes
- Student support services including face-to-face meetings with professors, career advice, a friendly environment, and ready-to-help staff

## RANKING

Khazar University is highly ranked in the world. According to the QS World University Rankings 2012/13, Khazar University was ranked 601+ among the world's top 700 institutions.

During the last 12 Webometrics rankings, Khazar University has been number one for 10 times and two times as second, among 38 Azerbaijani universities.

In the "Ranking Web of World Repositories", the Khazar University institutional repository has achieved good performance. In the latest (July, 2012) Top Institutional Repositories Ranking, Khazar University Institutional Repository took 53 rd place out of 98 among Central & Eastern Europe countries, and is the only one in the Caucasus. At present there are thousands of full text research outputs in the archive.

## KHAZAR UNIVERSITY

Academic activities at the university are conducted in 4 Schools:

- School of Engineering and Applied Sciences
- School of Economics and Management
- School of Humanities and Social Sciences
- School of Education

The University has 21 Academic Departments, more than 20 different Institutes and Research Centers, Khazar University Press with Printing House, and Khazar internet-radio and TV. The university has started rigorous process of developing Khazar Techno-Park.

# SCHOOL OF ENGINEERING AND APPLIED SCIENCE

The mission of the School is to provide educational, research and innovation services in the field of engineering and applied sciences, which are highly demanded and significant for the country's sustainable development.

The vision is to become the top school of engineering in the country, recognized for its outstanding high quality education, outreach programs, innovative research, as well as the character and integrity of its graduates.

## Why this School?

- Dynamic academic environment for preparing highly qualified engineers who are capable to assume professional careers and pursue graduate and postgraduate studies.
- Outreach degree programs, dissemination of engineering knowledge and facilitation of continuing education through intensive professional courses, workshops, seminars and conferences.
- Research and expand knowledge in the engineering fields, and efficient solutions for the problems faced by the engineering society.

## Key Benefits

- Up to date curricula that prepares students for the rapidly changing labor environment
- Distinguished faculty and dedicated staff members
- International student exchange programs with the leading universities in the field
- Close links with industries for internship and outstanding career opportunities
- Consistent high level satisfaction of the employers with the graduates of the school





## Career Center

The Career Center conducts individual and group career consulting and assessment sessions to assist students in:

- preparing job applications, resume/CVs and cover letters;
- evaluating career opportunities and making strategic decisions;

The Center establishes relationships with potential employers in order to provide students with professional skills, integrate academic education with work, and explore employment opportunities by:

- organizing company tours and on-campus presentations
- exploring possibilities for internships, summer jobs, and volunteer services
- organizing job fairs





## Library

The library supports and enriches the university's mission and its commitment to learning, teaching, scholarly research and community outreach. It is a unique entity in Azerbaijan and in the Caucasus with a variety of print and electronic resources (books, periodicals, serials, databases, CDs), offering various trainings, professional consultations, and assistance. In the library, students have access to wireless high-speed Internet, photocopiers, printers, and group and individual study areas. Extra copies of cutting-edge textbooks are available for loan, and students can check the availability of books by accessing the online catalogue at <http://webopac.khazar.org/wx/S.exe>.





## OUR CAMPUSES

*The Neftchilar Campus* includes the following facilities:

- academic departments, institutes and research centers
- large and light lecture rooms with modern whiteboards, projectors and video-control systems
- laboratories, computer centers equipped with cutting-edge computers
- a canteen which exceeds all hygiene requirements and covers the first floor of the building
- a large library which is located on the 5th and 6th floors of the building and is rich with recently published textbooks and a wide range of electronic resources
- publishing and printing houses
- Cultural Center including museum exhibits of national music, clothing, and textile arts
- a specially-designed Marble Hall for events and other attractive meeting spaces



*The Downtown Campus* consists of:

- lecture rooms
- research center
- economics library
- e-learning room and computer laboratory
- conference hall
- café-style canteen
- beautiful theater hall seating about 300 people, used for conducting conferences, reading days, various meetings and events



*The Alatava Campus* is home to “Dunya” School, which is equipped with a library, laboratories, computer labs, canteen, sports hall, doll museum, and art studio.

*The Binagadi Campus*, which is now under construction, will house lecture rooms, laboratories, the Innovation Center, a library, kindergarten, integrated elementary and secondary school, dormitory, guest-house and sports complex



# School of Engineering and Applied Science

Further information at: [www.khazar.org](http://www.khazar.org)

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The vision is to become the top school of engineering in the country, recognized for its outstanding high-quality education, outreach programs, and innovative research, as well as the character and integrity of its graduates.

## Why this School?

- § Dynamic academic environment for preparing highly qualified engineers who are capable of assuming professional careers and pursuing graduate and postgraduate studies.
- § Outreach degree programs, dissemination of engineering knowledge and facilitation of continuing education through intensive professional courses, workshops, seminars and conferences.

- § Research and expanding knowledge in the engineering fields, finding efficient solutions for the problems faced by the engineering society.

## Key Benefits

- § Up-to-date curricula that prepares students for the rapidly changing labor environment
- § Distinguished faculty and dedicated staff members
- § International student exchange programs with leading universities in the field
- § Close links with industries for internship and outstanding career opportunities
- § Consistent high level of employers' satisfaction with the graduates of the school

## Teaching

Teaching methods include lectures, discussion of case studies and problem-solving, team-based projects and blended learning, as well as laboratory sessions and field study tours.



School of Engineering and Applied Science

## Internships

Undergraduate and graduate students have opportunity to apply to the Intern Recruitment Programs for 10-week summer internships as well as other internship programs throughout the academic year. During this internship they may receive competitive salaries and the experience of working together with highly qualified professionals by getting involved in projects and operations.

### Scholarships:

Since 2003, students of the School have benefitted from BP's scholarship program supporting Petroleum Engineering students during their full four-year undergraduate degree program. Successful beneficiaries of the scholarship have the opportunity to be hired by the sponsoring company.

The School of Engineering and Applied Science consists of seven departments:

- Chemistry
- Civil Engineering
- Computer Science
- Electronics, Telecommunications and Radio Engineering
- Mathematics
- Petroleum and Gas Engineering

- Physics

The School is currently developing two more departments:

- Chemical Engineering
- Bio-medical Engineering

The School offers the following degree programs:

### BSc

- Civil Engineering
- Computer Engineering
- Computer Science
- Electronics and Telecommunication
- Petroleum Engineering
- Chemical Engineering (in process)
- Bio-medical Engineering (in process)

### MSc

- Computer Engineering
- Computer Science
- Petroleum and Gas Engineering
- Electronics and Telecommunication (in process)

### PhD

- Computer Engineering
- Computer Science
- Petroleum and Gas Engineering (in process)

The School of Engineering and Applied Science, through its degree programs, is deeply committed to ensure that all students meet the goals and learning objectives necessary to achieve the highest level of excellence in their future endeavors.

### Undergraduate Programs

The requirements for all the undergraduate

programs include:

- University Requirements
- General Education Requirements
- Major and Major-Related Requirements

BSc in Petroleum and Gas Engineering

### Overview:

The program prepares qualified petroleum and gas engineers capable to undertake professional responsibilities for optimal development and prudent management of oil and gas resources. The objective of the

