DEAR APPLICANTS!

The Faculty of Information Technologies of the leading institution of higher education of Kazakhstan, al-Farabi Kazakh National University, invites to study. The faculty is organized in order to implement the "Digital Kazakhstan" project proposed by Elbasy, being distinguished from the famous Faculty of Mechanics and Mathematics of the native university.

System programming, computer architecture, microprocessors, modern technologies of teaching mathematics and computer science .... Are these words not an empty sound for you?

Then we are waiting for you at the Faculty of Information Technologies. Our faculty is the newest, most interesting and promising, and one of the largest faculties at al-Farabi Kazakh National University, which has great employer confidence in the education received here! We have the best teachers of specialized disciplines in the city and country.

Admission to the faculty is carried out on the applications of applicants on a competitive basis in accordance with the points of the certificate issued by the results of the unified national testing (UNT) or comprehensive testing. Those young people who wish to enter the faculty should choose mathematics and physics as their core subjects. The term of study in all specialties is 4 years. For graduates of Nazarbayev Intellectual Schools the term of study is 3 years.

Since the curricula of all specialties are aligned with the international education system, students have the opportunity to receive a double-degree diploma and training in foreign universities for academic mobility programs. Graduates of the faculty can continue their studies at the graduate and doctoral levels of the best educational institutions in the world.

Large and bright lecture halls, computer classes equipped with modern computers are waiting for you. All this will help you to support your personal development and professional career.

See you soon!

DEAN OF THE FACULTY,
Candidate of Physical and Mathematical Sciences
assistant professor
URMASHEV BAYDAULET AMANTAEVICH

WHERE GRADUATES OF THE FACULTY CAN WORK

Graduates can work in universities, research laboratories and research centers in the country and abroad.

Spheres of professional activity of graduates of specialties of the Faculty of Information Technologies:

- Object-oriented programming;
- Design and automation;
- Automation of technological processes;
- Databases;
- Web technologies;
- Intellectual networks;
- Artificial Intelligence;
- Mobile applications;
- Internet of things;
- Administration and security of computer networks

Graduates of the specialties of the Faculty of Information Technologies can work:

- software engineer;
- database developer;
- web-administrator;
- IT specialist;
- mobile application developer;
- automated information systems developing engineer;
- IS security specialist;
- information technologies manager;
- computer network design engineer;
- a specialist in automation and control in technical systems;
- software testing specialist.

OUR PRIDE - GRADUATES!

AHMED-ZAKI DARKHAN ZHUMAKANOVICH, - President of UIB University, Doctor of Technical Sciences, Associate Professor. Akhmed-Zaki Darkhan Zhumakanovich is the author of over 100 scientific papers published in journals from far abroad countries and the Republic of Kazakhstan. Scientific research refers to the theory of program verification and organization of distributed and parallel computing, modernization of the higher education system.

AKHMETOV BERIK BAKHYTZHANOVICH, Rector of the Caspian State University of Technology and Engineering named after Sh. Yesenova, Candidate of Technical Sciences, Academician of the International Academy of Informatization

TIREUOV KANAT MARATOVICH, First Vice-Rector of the Kazakh National Agrarian University, Doctor of Economics, Professor, Academician of the National Academy of Sciences of Kazakhstan. He is the owner of the state grant «The best teacher of the university» (2010), and he was awarded the Order «Ormet» (2016).

KONYSBAEV OMIRET TUYAKULY, President of the Association of Innovative Companies of the Special Economic Zone (SEZ) "Park of Innovative Technologies", Candidate of Philosophy, Corresponding Member of the Eurasian Economic Academy

RUSTEMOV BAUYRZHAN ADILKHANOVICH, General Director of the company Relog and the founder of the domestic start-up of the same name in the market of transport and logistics services, businessman, Master of Science in the specialty «Computer Science»

BACHELOR DEGREE PROGRAMS

B057 Information technologies
1) Computer science
2) Highly loaded information systems with artificial intelligence
3) Data science
4) Information systems
5) Computer engineering

B058 Information security
1) Information Security Systems

B063 Electrical engineering and automation
1) Intelligent control systems

MASTER DEGREE PROGRAMS

M012 Training of computer science teachers (Kazakh, Russian, English)
1) Informatics
2) Informatics (1,5 y)

M094 Information technologies
1) Information systems
2) Computer engineering
3) Computer science
4) Computational linguistics
5) High performance information systems with artificial intelligence
6) IT-Management
7Management of Software Projects *(MEphI)*
8) System engineering *(double degree education — University of West Attica, Greece)*

M095 Information security
1) Information Security Systems
2) Information security audit

M100 Automation and Control
1) Internet of Things
2) Intelligent control systems
3) Business analytics and Big Data
4) Machine learning and data mining
5) Intelligent control systems *(double degree education — Riga Technical University)*

PhD DEGREE PROGRAMS

D012 Training of computer science teachers (Kazakh, Russian, English)
1) Informatics

D094 Information technologies
1) Information systems
2) Computer engineering
3) Computer science
4) System engineering
5) Artificial intelligence in medicine

D095 Information security
1) Information Security Systems

D100 Automation and Control
1) Intelligent control systems
2) Automation and Internet of things
3) Intelligent control systems *(double degree education — ISCTE)*
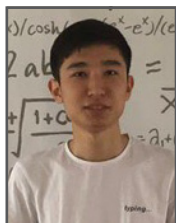
OPINIONS OF STUDENTS

Assaynov Jasulan, 4-year student of the specialty «Information systems»

Spent 4 years at the alma mater - an interesting student time full of searches - flew by like a blink of an eye.

From the moment I entered, after graduating with honors from the school, the flagship of the country's higher educational institutions - Al-Farabi Kazakh National University - I became confident that my future would be bright and successful. The faculty of the department, consisting of qualified masters of their craft, from the first days took us under their care. Our dear teachers with many years of experience help the younger generation - the future support of the country - to acquire Hard-skills and Soft-skills, provide quality knowledge and conscious spiritual education.

Contributes to the formation of the applicant as a competitive person, a future qualified specialist and the student environment. The group in which I study consists of graduates from the strongest schools in the country and talented foreign students. This reflects the correct strategic direction followed by the Department of Information Systems and our university.

Eltay Zhastay, student bachelor's of the specialty «Information Security Systems»:

I have been fascinated by computer and electronic equipment since childhood. I set a goal for myself — at any cost in the future I will be an IT-specialist. Making sure that dreams come true, I am now on my way to achieve the goal.

The specialty chosen by me is special and very interesting. Nowadays, we are studying methods of protecting information. Now I'm worried about the problems of qualifying management of the computer itself, the formation of the «intelligence» of robots.

I am deeply convinced that the students who master the specialty "Information Security Systems" have a very big future.

STUDENT LIFE

CISCO Network Olympiad

Open lesson «Friendly relations between Kazakhstan and Turkmenistan»

Everyone can claim science

Students of the specialty «Informatics» visited the Kazakh state academic theater for children and youth named after G.Musrepov
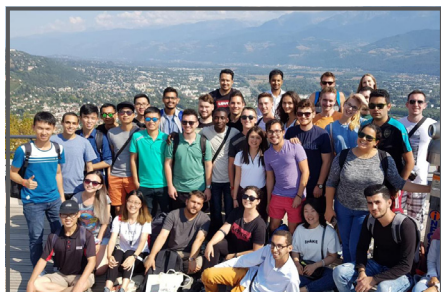

National education is the basis of quality knowledge

Open faculty day

TRAINING ABROAD

Internship at the University of Poland
(Lublin)

A.Nurmurat received a diploma from
St.Petersburg NRU ITMO

Master student I.Ramazanov received a
certificate from Professor Marek Milos

Master student A.Nusyupov continues to
study at Malardalen University (Sweden)
on ERASMUS program

2nd year student Zhanar Alimova studies
at the University of Grenoble Alps
(France) on academic mobility

Faculty teachers have improved their skills
in Greece

STUDYING PROCCESS

Head of the Department of information systems Musiralieva Sh.Zh. invited Professor Haidar Abbas from the Pakistan National University of science and technology to the faculty to give lectures to undergraduates

The teaching stuff and students listened to the lectures of professor B.E. Reznik (Beuth University of Applied Sciences Berlin, Germany) with great interest.

The senior teacher U.Islamgozhaev conducts a lesson in UML of Intellectual systems

Undergraduates at a lecture by Professor Haidar Abbas from the Pakistan National University of science and technology (Islamabad)

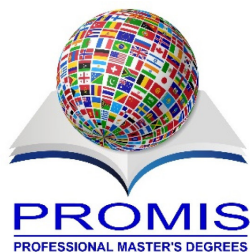Students do not miss the classes of Professor A.A. Kavokin

Yeskazin Azamat is a 4th year student with a degree in Automation and Control. The industrial practice takes place in the branch of JSC National Company «Kazakhstan Temir Zholy» - «Shalkar distance signaling and communication»

SYSTEM OF ADDITIONAL ENGINEERING EDUCATION

The main requirement of the modern labor market is the use of relevant international standards of professional qualification for the preparation of competitive personnel. The Faculty of Information Technologies provides a full range of theoretical knowledge of graduates of technical specialties for a wide range of IT-spheres. In order to improve work and business skills of graduates at the faculty, in cooperation with developed international IT companies, the «International Institute for HP Technologies», «Training Center for Continuing Professional Education in Information and Communication Technologies (CISCO Networking Academy), Educational and Methodical Laboratory of "Intellectual Programmable Systems", Laboratory of "Intellectual Information Systems", Laboratory of International TEMPUS PROMIS, PERCo Information Security Systems Laboratory, Kaspersky Information Security Laboratory, and ALCATEL Laboratory were organized.

STUDENT CIRCLES AND CLUBS

The faculty has created good conditions for the full development of students and the effective use of their free time.

In addition to scientific and methodological circles in specialties, the great pride of our faculty, where technical specialties are taught, is systemically working literary and creative association named after K. Amanzholov, project «Musical evenings on the Mechanics and mathematics faculty» and youth organization «Atameken patriottara» created for faculty and staff, undergraduate and graduate students. They are created to increase the interest of young people in culture, literature and art, patriotism, interest in obtaining quality education and spiritual development, dignity and fostering the integrity of the duty to the motherland and the preservation of the heritage of the ancestors. Within these clubs, meetings with poets and writers, artists and pop stars, laureates of various awards and public figures are held.

SCIENTIFIC PARTNERSHIP AND SUBJECT OLYMPIADS

The Faculty of Information Technology in the field of networking and telecommunication technologies collaborates with the Regional/Local Networking Academy Cisco, the Microsoft Academy, and many teachers are certified instructors at the Cisco Academy and the Microsoft Academy. Students can also receive online training on Microsoft certification exams, international programs of Cisco Networking Academy and receive certificates.

Since 2003, the faculty has been holding the quarter-finals of the World Programming Championship among Kazakhstan teams ACM ICPC (Association for Computing Machinery International Collegiate Programming Contest). Every year over 100 teams (more than 300 students) of all leading universities of the republic take part in the championship in Kazakhstan.

The following programming contests among schoolchildren and students are also held annually on the basis of the faculty: MechMat Open, the Al-Farabi Republican Olympiad, and the informatics subject Olympiad.

THE INTERNATIONAL COOPERATION

INTERNATIONAL PARTNERS - HIGHER EDUCATIONAL INSTITUTIONS

INDUSTRIAL PARTNERS

DOUBLE DIPLOMA EDUCATION