EDUCATION NURE 2021
The Kharkiv National University of Radio Electronics is a leading technical higher educational institution in Ukraine. The university trains specialists in the field of information technologies, radio engineering, and electronics through 28 educational programs. More than 7000 students study at seven faculties. Also, more than 1000 foreign students from 40 countries study at the university. KhNURE is included in the world ranking of TOP-800+ Times Higher Education World University Ranking, TOP-10 institutions of higher education in Ukraine according to the provided recommendations for the budget, and ranks 9th in the "TOP-200 Ukraine 2020". KhNURE partners with more than 30 leading companies in the world. KhNURE graduates work in many well-known companies, including Boeing, Google, Microsoft, and others. The infrastructure of the university is set up for the realization of educational, scientific, creative, and sports opportunities for students. KhNURE has 90 years of experience. This experience and traditions of generations, multiplied by modern technologies and knowledge, have made KhNURE one of the most desirable technical universities in Ukraine. Choose your future together with the First among the best!
EDUCATIONAL PROGRAMS 
IN ENGLISH OR UKRAINIAN

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Educational program «Economic Cybernetics»

BASIC DISCIPLINES
Graduates of educational program “Economic Cybernetics” will be able to: identify economic problems during analysis of specific situations and offer ways to solve them; use modern sources of economic, social, managerial, accounting information for the compilation of official documents and reports; analyze organizational and economic processes at enterprises; describe and forecast economic and social processes based on theoretical and applied models, analyze and interpret the obtained results; apply economic and mathematical methods and models for solving economic problems; use methodological tools for assessing economic risks; conduct diagnostics of functioning and development of business entities; detect patterns of functioning of the modern economy at different levels; develop and implement effective support systems for management decisions.

PROFESSIONAL SKILLS
The financial sector (including banking, financial analysis, forecasting, accounting, tax advice, insurance and trade). Also graduates of the educational program "Economic Cybernetics" can work in marketing information technology sector. Primary posts: economist, business analyst, logistician, economic manager, information technology specialist, financial and economic security specialist, assistant manager of the enterprise.
Specialty 123 (bachelor)

Educational program «Computer Engineering»


Software engineers are specialists in .net, java development, and DevOps engineering. As a Hardware Engineer, students will have responsibility for designing hardware components including computer-related products such as routers, robotic systems, smart devices. As a network engineer, students will have responsibility for designing, configuring, testing networking software, computer hardware, operating systems, troubleshoot any problems such as protecting data, software, and hardware.
Educational program «Information Security Management»

Students study the mechanisms of creating a complex system of information and cyber security, information security management in accordance with the international standards ISO27K series; information security of telecommunication and computer networks, web-security, security of banking systems and e-commerce systems, incident investigation mechanisms, risk management, audit of information and cyber security systems.

Professional Skills:
1. Creation, implementation, monitoring and improvement of information security management systems;
2. Audit of information security
3. Software development for detecting malware and cyber-attacks;
4. Conducting forensic examination of cyber-attacks;
5. Administration of secure computer and telecommunication networks;
6. Monitoring of critical parameters of information systems;
7. Information security incidents response;
8. Assessment of information security risks.

Employment prospects:
- An information security manager;
- An engineer, specialist, chief specialist in information security;
- A head of information security department;
- An auditor of information security systems;
- A developer of systems and means of information protection;
- An administrator of information security;
- An analyst of information security;
- A head of projects on information security;
- An officer of cyber security special forces.
Educational program «Information and Communication Systems Security»

Students majoring in "Cybersecurity" of the educational program "Security of information and communication systems" study: design, implementation, maintenance of complex information security systems; protected systems of electronic documents and electronic document management, e-commerce; security of banking and payment systems; development of secure software in C / C ++ / C # / JAVA / PHP programming languages; examination, standardization and certification of systems and means of information security; management of information security at the objects of information activity in state management bodies, research and production associations, large IT companies, Banks, financial firms, credit card companies and much more.

Professional Skills:
Security Specialist; Security Analyst; Security Engineer; Security Consultant; Security Auditor; Security Manager; IT Project Manager; Security Architect; Security Director; Cryptographer; Cryptanalyst, Forensics Analyst, Source Code Auditor, Penetration Tester, Vulnerability Assessor, Forensics Expert.
Specialty 151 (bachelor)

Educational program «Automation and Computer-Integrated Technologies»


PROFESSIONAL SKILLS
Industrial companies, needed for application of automation tools; Companies with Automation systems, Computer-Integrated Systems and Robots; Software and Hardware Developer Companies for Industry; Banks; Companies of Service, Communication, Transport and Logistics spheres.
Educational program «Biomedical Engineering»

PROGRAM OUTLINE
Biomedical (BM) engineering improves human health by applying engineering principles and methods to BM problems. In addition to the Engineering Core (math, calculus, physics, computer science, engineering & computer graphics, mechanics, electronics & circuits, metrology, economics and business) training is focused on 3 professional fields: Life & Materials Science (Human Anatomy and Physiology, Chemistry, Biochemistry, Biophysics, Biomechanics, Life Safety), BM Computational Technologies (Math Modeling of Biological Processes and Systems, BM Data, Signals and Images Processing, Bioinformatics, System Analysis and Decision-Making in Medicine), BM Devices, Applications, Systems & Technologies (BM Electronics, Microprocessor Technology & Microcontrollers in Medicine, Sensors, Methods for BM Research, BME Design, Medical Imaging Systems, Laboratory and Analytical Equipment, Diagnostic & Therapeutic Equipment, Radiotherapy Systems, Artificial Organs & Systems, Nanotechnology in Biology & Medicine, Laser Systems in Medicine)

PROFESSIONAL SKILLS
BME graduates are a special brand of engineer. We prepare our students to thrive in a medical setting (laboratory research and instrumentation, design process, technical communication, entrepreneurship, legal and regulatory issues). The BME engineer can work in medicine, rehabilitation engineering. Also, work in the fields of electronics, veterinary, agriculture, ecological monitoring & environmental control, biometric identification, fitness engineering, cosmetology.
Educational program
«Telecommunications»

Students learn: development and design of telecommunications networks of the next generation: personal communication networks (Bluetooth, Zigbee, UWB), access networks, transport networks (IP/ATM/MPLS); planning, self-organization, optimization of wireless networks, including 2G/3G/4G/5G mobile networks; configuring network and server equipment; network protocol stacks and traffic management mechanisms; software terminal devices, network software, cloud platforms, service-oriented architectures; next gen. digital television systems.

Professional Skills:
1. Telecommunication networks development
2. Wireless and mobile networks
3. Cloud technologies
4. Ip technologies
5. Information security of telecommunications

Employment prospects:
• DevOps;
• System Administrator;
• System Engineer;
• Network Engineer;
• Network Administrator;
• Network Security Manager;
• Security Engineer;
• System Analyst;
• Business Analyst;
• CyberOps;
• Security Operations Center, SOC;
• Project Manager;
• Technical Product Manager / Product Lead / Product Director / Group Product Manager;
• QA engineer.
Specialty 051 (master)

Educational program «Economic Cybernetics»

The purpose of educational program: training of highly qualified economics professionals with modern economic thinking, theoretical knowledge and applied skills, able to solve complex research, innovation & management problems and problems of economic systems of different levels functioning, characterized by uncertainty of conditions and requirements.

Basic disciplines: Mathematical Methods and Models of Market Economy; Modelling of Business Processes; Modelling of Economic Dynamics; Information Economics; Management of Development Potential of the Enterprise; Innovation & Investment Management; Management of Informatization Projects.

The competences acquired: graduates will be able to: determine and solve complex economic tasks and problems, make appropriate analytical and management decisions in the economic sphere or in the learning process including research and / or implementation of innovations under uncertain conditions and requirements; to develop scenarios and strategies for the socio-economic systems development; to plan and develop projects in the economic sphere, carry out its informational, methodical, material, financial and personnel support.

Employment prospects: the positions that our graduates can occupy are numerous and diverse, with a focus on the financial and IT management sector. Graduates are fully prepared for building career at enterprises of different forms of ownership holding posts of economist, developer of computer systems, specialist of marketing & business efficiency, research engineer and head of a functional department of the economic profile.

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Specialty 073 (master)

Educational program «Financial and Economic Security Management»

The purpose of educational program: training of specialists capable of identifying and solving complex tasks in the field of management or in the learning process, involving research and innovation & characterized by uncertainty of conditions & requirements.


The competences acquired: graduates of this Master program will be able to: solve complex tasks and problems in the management sphere; select and use management concepts, methods and tools in accordance with defined objectives and international standards; analyze and structure the problems of the organization, make effective management decisions and ensure their implementation; set values, visions, mission, goals and criteria, by which the organization determines further directions of development, work out and implement appropriate strategies and plans; use specialized software and information systems to solve management problems of the organization.

Employment prospects: the positions that our graduates can occupy are numerous and diverse, including employment at enterprises of different forms of ownership holding posts of the information security systems manager, analyst on financial & economic security, a professional in the information protection organization with restricted access, the head of the financial-economic and information security department.
Specialty 123 (master)

Educational program «Computer systems and networks»

A master’s degree program takes 1 year 4 months (90 ECTS credits). Courses within the Master program includes:

- Analysis and performance evaluation of computer systems and networks
- Corporate computer networks
- Machine learning and data analysis
- Multiservice computer networks
- Intelligent decision support and management systems
- Elements of computer systems based on expert knowledge
- Technologies of high-performance cloud computing
- Modern data analysis technologies
- Design of special processors
- Wireless and special purpose networks
- Optimization of computer networks
- Special issues of computer network administration

PROFESSIONAL SKILLS

Some possible job titles in this field include:
- Data analyst administrator
- Network administrator
- Computer systems and networks design specialist
- Systems engineer
- Project manager
- Teacher
- Researcher
- PhD degree student
Educational program
«Administrative Management in the Field of Information Security»

The purpose of the educational program is to prepare highly qualified and competitive professionals with a solid competence in applying research and design methods for system and information security as well as cyber security systems.


Professional Skills:
1. Audit of information systems
2. Malware analysis
3. Development of secure software
4. Conducting penetration tests
5. Network security
6. Web security
7. Database protection

Employment prospects:
• An information security manager;
• An engineer, specialist, chief specialist in information security;
• A head of information security department;
• An auditor of information security systems;
• A developer of systems and means of information protection;
• An administrator of information security;
• An analyst of information security;
• A head of projects on information security;
• An officer of cyber security special forces.
Specialty 125 (master)

Educational program «Information and Communication Systems Security»

Students majoring in "Cybersecurity" of the educational program "Security of information and communication systems" study: theoretical and methodological foundations and tools for creation and use of means and technologies of information security and cyber security; requirements of international standards for information security; methods of collecting and analyzing information on events in information and communication systems; functional capabilities of modern monitoring and audit systems; requirements, methods and means of data protection and audit against unauthorized access; methods and security mechanisms in computer systems and networks; design, implementation, maintenance of complex information security systems; protected systems of electronic documents and electronic document management, e-commerce; security of banking and payment systems; the requirements for the quality of software and hardware complexes for critical using; development of secure software in C / C ++ / C # / JAVA / PHP programming languages; examination, standardization and certification of systems and means of information security; management of information security at the objects of information activity in state management bodies, research and production associations, large IT companies, Banks, financial firms, credit card companies.

Profecional skills: specialist in integrated information security systems; a specialist in the design of secure computer systems; specialist in the administration of banking information systems and networks; information technology specialist; specialist in information security in public administration; specialist in software development in Java, C++, Python, C#; administrator of computer systems and networks; specialist in the design of decentralized systems; specialist in standardization and certification of systems and means of information security. Jobs: Security Specialist; Security Analyst; Security Engineer; Security Consultant; Security Auditor; Security Manager; IT Project Manager; Security Architect; Security Director; Cryptographer; Cryptanalyst, Forensics Analyst, Source Code Auditor, Penetration Tester, Vulnerability Assessor, Forensics Expert.

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Specialty 163 (master)

Educational program «Biomedical Engineering»

A master's degree program takes 1 year 4 months (90 ECTS credits).

PROGRAM OUTLINE: Biomedical engineering (BME) improves human health by applying engineering principles and methods to biomedical problems. Courses within the Master program include:
- Computer-Aided Design of Medical Systems Based on Programmable Logical Integrated Circuits
- Economic Feasibility of Projects
- Medical Data Mining
- Medical Equipment for Individual Use
- Methods of Mathematical Physics in Biomedicine
- Methods and Techniques of Experimental Data Processing
- Methods and Techniques of Image Processing
- Biotechnical Systems Engineering
- Robotic Medical Systems
- Development of Medical Applications for Mobile Devices
- Biomedical Display Systems
- Ukrainian as a Foreign Language
- Physical Training
- Pre-Diploma Training
- Term Project in Medical Equipment for Individual Use
- Master's Thesis

PROFESSIONAL SKILLS: BME graduates are a special brand of engineer. We prepare our students to thrive in a medical setting (laboratory research & instrumentation, design process, technical communication, entrepreneurship, legal and regulatory issues). The BME engineer can work in medicine, rehabilitation engineering, in the fields of electronics, veterinary, agriculture, ecological monitoring & environmental control, biometric identification, fitness engineering, cosmetology, as research engineer, electronic engineer, design engineer, mechanical engineer, medical equipment engineer, teacher of higher educational establishment. Access to further studies. The right to obtain the degree of Doctor of Philosophy – PhD.
Educational program
«Telecommunication systems and networks»

Students learn: research methodology of telecommunications; research and design of telecommunications networks of the next generation: personal communication networks (Bluetooth, Zigbee, UWB), access networks and transport networks (IP/ATM/ MPLS); research and design of wireless networks (Li-Fi, Wi-Fi, WiMax, LTE), including 2G/3G/4G/5G mobile networks; configuring network and server equipment; software terminal devices, network software, cloud platforms and service-oriented architectures.

Professional Skills:
1. Design and research of telecommunication networks
2. Wireless and mobile networks design and research
3. Cloud network design and research
4. Design and research of IP networks
5. Design and research of information security systems for telecommunications

Employment prospects:
• DevOps;
• System Administrator;
• System Engineer;
• Network Engineer;
• Network Administrator;
• Network Security Manager;
• Security Engineer;
• System Analyst;
• Business Analyst;
• Security Auditor;
• CyberOps;
• Security Operations Center, SOC;
• Project Manager;
• Technical Product Manager / Product Lead / Product Director / Group Product Manager;
• QA engineer.
To enter Ukraine for the purpose of studying, a foreign citizen must receive an invitation to study from the University. It is issued through an Agent who is registered with the Ministry of Education and Science of Ukraine and signed a contract with the University. To receive an Invitation, you must provide scanned copies of the following documents:
- Passport (valid for at least 9 months);
- A document on complete secondary education (or Bachelor's degree and diploma supplement).

Having received the original invitation, a foreign citizen applies to the Embassy of Ukraine in his country to obtain a student visa to enter Ukraine. When a visa is received and a ticket is purchased, the future student informs the Agent and the University of the date of arrival in Ukraine and the flight number so that he can be met and booked a place for in the hostel. The comfortable hostels of KHNURE are located near the University. If desired, the student can live in a private apartment. Foreign citizens study at KHNURE on the basis of a 3-sided contract (University-Student-Agent). They are credited based on test results and must provide the following documents:
1. A copy of your passport
2. Original Invitation
3. Certificate of education (certificate of completion of 12 years of secondary school or Bachelor's degree) and an appendix to it - original and a legalized copy.
4. Birth certificate
5. Medical certificate
6. 6 photos (60 x 40 mm).

The documents in clauses 3,4,5 must be legalized in accordance with the established legislation. They must have a stamp "Apostille" (for countries participating in the Hague Convention) or the seal of the Ministry of Education and the Ministry of Foreign Affairs of the country and the seal of the Embassy of Ukraine. After enrollment during the 1st semester, students are required to submit educational documents to undergo the nostrification (recognition) procedure at the Ministry of Education and Science of Ukraine. The received Certificate of Recognition entitles the student to continue their studies. After enrollment, a foreign student must appear at the KHNURE passport and visa service and, within 30 days, submit documents to legalize their stay in Ukraine.
1. Filled out questionnaire.
2. Invitation or letter of consent (for students from other Ukrainian higher education institutions).
3. Extract from the order of expulsion (for students from other Ukrainian higher education institutions).
4. Document on complete secondary education (original and legalized copy) (admission to 1-4 years).
   - Ukrainian translation with notarization
5. Appendix to the document on complete secondary education, which contains information on academic performance in academic disciplines.
   - Ukrainian translation with notarization
6. Academic reference (for students who came from other universities for 2nd, 3rd or 4th year).
   - Ukrainian translation with notarization
7. Copy of the bachelor's degree diploma (to enter the master's program).
   - Ukrainian translation with notarization (if needed)
8. Appendix to the bachelor's degree diploma.
   - Ukrainian translation with notarization (if needed)
9. Translation of the passport into Ukrainian with notarization (original and 2 copies).
10. 6 photographs size 60x40 mm.
11. Preparatory faculty completion certificate (except for the former CIS countries and foreign students studying in English).
CHOOSE THE FIRST AMONG THE BEST!

Zazifaun Education Group

Zazifaun is a global leader in international education services. We help international students to study in Ukraine. Our extensive network of approachable experts helps students identify and secure the university or college where they can thrive. We can connect students to the courses they desire to pursue in the most suitable university or institution located in the right city. We have been helping students for over half a century and have created a huge network of opportunities with offices in 20 countries. Since 2010, we have assisted more than 13722 students from 56 countries.

We now have offices and agents in (UAE, Saudi Arabia, Egypt, Qatar, Nigeria, In Tanzania, Kenya, Sudan, Ethiopia, Morocco, Tunisia, Ecuador, South Africa, Colombia, Lebanon, Syria, Yemen, Pakistan, Turkey).

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