



IGOR SIKORSKY KPI – IT IS ALWAYS:

- HIGH QUALITY TRAINING OF SPECIALISTS*
- INTERNATIONAL STANDARDS OF EDUCATION*
- RELEVANT-TIME KNOWLEDGE AND SKILLS*
- FUNDAMENTAL SCIENTIFIC TECHNICAL RESEARCH*

INFORMATION PACKAGE

**NATIONAL TECHNICAL
UNIVERSITY OF UKRAINE
“IGOR SIKORSKY KYIV
POLYTECHNIC INSTITUTE”**

Kyiv, 2022

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1. A COMMON DESCRIPTION OF THE IGOR SIKORSKY KPI

The National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute" is the largest Ukrainian University and one of the largest technical universities in Europe. University has been working and developing since 1898 as a campus, where the environment for learning, recreation, sports, and personal hobbies of all 25,000th team organically integrated at the area of 160 hectares. During its existence, Igor Sikorsky KPI has prepared more than 380 thousand engineers.



*The University consists of:
nine educational and research institutes,
fourteen faculties, Joint Ukrainian-German
Faculty of Mechanical Engineering,
several research institutes and scientific
centers, design bureaus and other institutions*

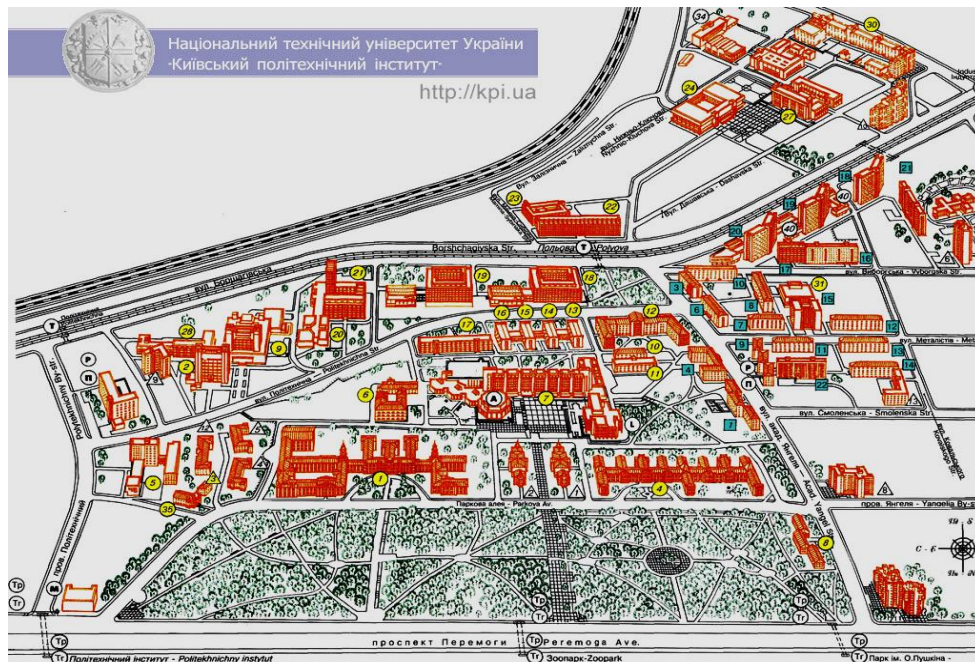
STATUS: The University is a national autonomous state higher educational institution of research type, accredited with the status of a higher educational institution of the IV level, and has the right to carry out educational activities aimed at training bachelors, masters, doctors of philosophy (Ph.D.) and Doctors of Sciences.

INTERNAL RESOURCES. The university has a preparatory department, where foreign students study subjects to the extent necessary for the further mastering of the university program. The University has its publishing and printing complex "Polytechnic". Among the teachers of Igor Sikorsky KPI, there are more than 500 professors and 1,300 associate professors. Classrooms and laboratories are equipped with modern devices, and the latest learning technologies with the use of computer networks are implemented. All this allows us to provide the quality of education, which level corresponds to the standards of the best universities abroad.

INTERNATIONAL COLLABORATION: The Igor Sikorsky KPI actively participates in international educational, scientific projects and programs, successfully cooperates with 47 countries, and has 32 joint structures with universities partners, leading international companies (EC, CU, UNDP, UNESCO, UNIDO, WIPO, NATO, EDNES, ICSU, CODATA) and well-known companies (MOTOROLA, SIEMENS, FESTO, SAMSUNG, INTEL, etc.). The University was also the initiator of the creation of the "Center of Supercomputer Calculations and Data" in Ukraine.

GOAL: Today, the main goal of the Igor Sikorsky KPI is the training of highly qualified specialists and research for "breakthrough" in Ukraine's economic development priorities:

- Modern technology in the field of computer science, mechanical engineering, chemistry, and materials science;
- Information networks and information communication technologies;
- The problem of energy saving and the development of energy-saving technologies;
- Monitoring and protection of the environment;
- Elimination of the consequences of nuclear and man-made disasters;
- Space and aviation technologies;
- The exploration and use of human resources;
- Medical Engineering;
- Systems analysis and decision making.



TERMS OF TRAINING:

Bachelor's program – 4 years;

Master's program: *Educational-Professional Program* – 1.5 years,
Educational-Scientific Program – 2 years;

Ph.D. – 4 years

2. EDUCATIONAL AND RESEARCH INSTITUTE FOR APPLIED SYSTEM ANALYSIS (IASA)

1. General description of specialists

IASA trains specialists in information technology, systems analysis, and intelligent decision-making system. Graduates can design, build and maintain computer systems for analysis, forecasting, prediction, and dynamic processes in the macroeconomic, technical, physical, environmental, and financial complex systems.

Graduates are working in the positions of systems analysts, managers of information systems development, project managers, and engineers of computer systems and networks in public and commercial manufacturing enterprises, banks, and stock exchanges both in Ukraine and abroad.

2. Contact information

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1. Educational Programs

Specialty	Educational Program Name	Levels of higher education		
		First	Second	Third
122 Computer Science	Systems and Methods of Artificial Intelligence	Bachelor EPP	Master EPP	–
			Master ESP	
	Intellectual Service-Oriented Distributed Computing	Bachelor EPP	Master EPP	–
Master ESP				
	Computer Science	–	–	Ph.D.
124 System Analysis	System Analysis and Control	Bachelor EPP	Master EPP	–
	Systems Analysis of Financial Market	–	Master EPP	–
	System Analysis	–	–	Ph.D.

*Comment: EPP – Educational-Professional Program
ESP – Educational-Scientific Program*

3. EDUCATIONAL AND RESEARCH INSTITUTE OF TELECOMMUNICATION SYSTEMS (ITS)

1. General description of specialists

Specialists-graduates can design a network for transferring large flows of information at high speed, solve the routing problem of these flows, provide high-quality data, manage and synchronize communications network as a whole and each of its particular links, and use digital systems and intelligent computer technology.

The Institute graduates focused on the research and development of practical software and hardware of the latest means of communication and information technologies. This system of information transmission on optical fiber, radio, radio relay, and cable lines as well as digital switching systems, multi-purpose, telecommunication networks, and information security to them.

2. Contact information

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3. Educational Programs

Specialty	Educational Program Name	Levels of higher education		
		First	Second	Third
172 Telecom- munications and Radio Engineering	Engineering of Innovative Information and Telecommunication Technologies and Systems	–	Master ESP	–
	Information and Communication Technologies	Bachelor EPP	Master EPP	–
			Master ESP	–
	Telecommunication Systems and Networks	Bachelor EPP	–	–
	Electronic Communication Systems and Networks	–	Master EPP	–
			Master ESP	
	Engineering and Programming Infocommunications	Bachelor EPP	Master EPP	–
			Master ESP	
Systems of Electronic Communications and the Internet of Things	Bachelor EPP	Master ESP		
Telecommunications and Radio Engineering	–	–	Ph.D	

Comment: EPP – Educational-Professional Program

ESP – Educational-Scientific Program

4. EDUCATIONAL AND RESEARCH INSTITUTE OF MECHANICAL ENGINEERING (IME)

1. General description of specialists

The Institute trains specialists in machine-building complex, who can create advanced technological processes, design the technological complexes, operate and explore them based on computer systems design, information processing, and logistical management, to perform international patent licensing activity, product certification, and quality systems, to make effective economically reasonable technical decisions using methods of mathematical modeling and computer synthesis.

Graduates work in research, design institutes, industrial enterprises of machine-building, electronics, aerospace, and other industries where they occupy leading positions.

2. Contact information

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3. Educational Programs

Specialty	Educational Program Name	Levels of higher education		
		First	Second	Third
131 Applied Mechanics	Dynamics and Strength of Machines	Bachelor EPP	Master EPP	–
			Master ESP	
	Manufacturing Engineering	Bachelor EPP	Master EPP	–
			Master ESP	
	Aircraft Manufacturing Technologies	Bachelor EPP	Master EPP	–
			Master ESP	
	Applied Mechanics of Materials Plasticity	Bachelor EPP	–	–
	Machine Design	Bachelor EPP	Master EPP	–
	Engineering Design Tool Systems	Bachelor EPP	Master EPP	–
			Master ESP	
Automated and Robotic Mechanical Systems	Bachelor EPP	Master EPP	–	
		Master ESP		
Applied Mechanics	–	–	Ph.D. ESP	

Comment: EPP – Educational-Professional Program
ESP – Educational-Scientific Program

5. EDUCATIONAL AND RESEARCH INSTITUTE OF AEROSPACE SYSTEMS (IAS)

1. General description of specialists

Throughout their studies, students receive education at the level of the best universities in the world. Graduates have fundamental knowledge in the design, creation, and operation of new aerospace and rocket, and space equipment using modern software, hardware, computer, and computerized systems and information technologies of design, both special and general-purpose, for various branches of science and industry.

Graduates work as researchers, design engineers, and programmers in rocket and space and aviation companies, enterprises involved in the creation and operation of aircraft, electronic equipment, automated systems, and sensors.

2. Contact information

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3. Educational Programs

Specialty	Educational Program Name	Levels of higher education		
		First	Second	Third
134 Aviation and Aerospace Technologies	Airplanes and Helicopters	Bachelor EPP	Master EPP Master ESP	–
	Aerospace and Rocket Systems Engineering	Bachelor EPP	Master EPP	–
	Aviation and Aerospace Technologies	–	Master ESP	Ph.D. ESP
173 Avionics	Control Systems of Flight Vehicles and Complexes Engineering	Bachelor EPP	Master EPP Master ESP	Ph.D. ESP

*Comment: EPP – Educational-Professional Program
ESP – Educational-Scientific Program*

6. EDUCATIONAL AND RESEARCH INSTITUTE OF PHYSICS AND TECHNOLOGY (IPT)

1. General description of specialists

The Institute prepares specialists on contemporary topics of applied mathematics, physics, computer science, and information security. According to numerous responses from employers, the Institute serves its purpose of training elite level for science and high-tech industries of Ukraine. Graduates have defended more than 50 theses (one in six graduate master's degrees) in mathematics, physics, and Informatics in Ukraine, Europe, the USA, and Canada.

Institute graduates work in research institutes of Ukraine and foreign countries, public authorities of Ukraine, knowledge-based institutions and companies, public and private forms of ownership, where the main requirements for employees with high intelligence, deep knowledge, and ability to work in conditions of fierce intellectual competition, international corporations and their representative offices in Ukraine, in foreign universities.

The majority of graduates work in Ukraine and hold the positions of leading experts – scholars, analysts, experts, and developers.

2. Contact information

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3. Educational Programs

Specialty	Educational Program Name	Levels of higher education		
		First	Second	Third
105 Applied Physics and Nanomaterials	Applied Physics	Bachelor EPP	Master ESP	PhD
124 Cyber Security	Systems of Technical Protection of Information	Bachelor EPP	Master EPP Master ESP	–
	Systems, Technologies and Mathematical Methods of Cyber Security	Bachelor EPP	Master EPP Master ESP	–
	Cyber Security	–	–	Ph.D. ESP
113 Applied Mathematics	Mathematical Methods of Cryptographic Security	Bachelor EPP	Master EPP Master ESP	–
	Mathematical Methods of Modelling, Pattern Recognition, and Computer Vision	Bachelor EPP	Master EPP Master ESP	–
	Applied Mathematics	–	–	Ph.D. ESP

Comment: EPP – Educational-Professional Program
ESP – Educational-Scientific Program

7. EDUCATIONAL AND RESEARCH INSTITUTE OF ENERGY SAVING AND ENERGY MANAGEMENT (IESEM)

1. General description of specialists

The Institute trains specialists for the electricity and fuel and energy complexes, the construction of urban underground construction, and environmental protection, who can develop, design, and operate energy facilities and systems, to create a modern system of eco-energy management, working with modern energy-saving technologies.

Institute graduates work at enterprises and organizations of different industries in Ukraine, CIS countries, Asia, Europe, and America as experts on energy efficiency, energy auditors and inspectors in the energy sector, leaders, and leading experts on structural divisions of enterprises and organizations of the electric power industry, leading experts of the mining industry, construction, and operation of urban underground structures, for monitoring facilities providing consulting and engineering services.

2. Contact information

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3. Educational Programs

Specialty	Educational Program Name	Levels of higher education		
		First	Second	Third
141 Electric Power Engineering, Electrotechnics, and Electro-mechanics	Energy Management and Energy Efficient Technologies	Bachelor EPP	Master EPP Master ESP	–
	Electric Power Distribution Systems Engineering	Bachelor EPP	Master EPP Master ESP	–
	Energy Management, Electricity Supply and Engineering of Electrotechnical Complexes	–	Master ESP	–
	Engineering of Intelligent Electrotechnical and Mechatronic Complexes	Bachelor EPP	Master EPP Master ESP	–
	Engineering of Automated Electrotechnical Complexes	Bachelor EPP	–	–
	Electromechanical and Mechatronic Systems of Energy-Intensive Industries	Bachelor EPP	–	–
	Electric Power Engineering, Electrotechnics, and Electromechanics	–	–	Ph.D. ESP
	184 Mining	Geoengineering	Bachelor EPP	Master EPP Master ESP

Comment: EPP – Educational-Professional Program
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8. EDUCATIONAL AND RESEARCH INSTITUTE OF PRINTING AND PUBLISHING (IPP)

1. General description of specialists

The Institute carries out training of highly qualified process engineers, system integrators, engineers, experts in the management of production, marketing market of printed products and printing materials production, editors, graphic artists, designers, and packaging media for the publishing and printing industry.

Graduates of the Institute work at printing companies, publishing houses, and other organizations that produce printed products by traditional and special types of printing, as well as research and design institutes, which are scientific and technical developments in the field of printing and engineering, development and synthesis of basic materials.

2. Contact information

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3. Educational Programs

Specialty	Educational Program Name	Levels of higher education		
		First	Second	Third
023 Fine Arts, Decorative Arts, Restoration	Fine Arts	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
061 Journalism	Publishing and Editing	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
	Advertising and Public Relations	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
	Social Communications, Journalism	–	–	Ph.D. <i>ESP</i>
133 Industrial Machinery Engineering	Computerized Printing Systems	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
	Industrial Machinery Engineering	–	–	Ph.D. <i>ESP</i>
186 Publishing and Printing	Technologies of Printing and Electronic Editions	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
			Master <i>ESP</i>	
	Publishing and Printing	–	–	Ph.D. <i>ESP</i>

Comment: *EPP* – Educational-Professional Program
ESP – Educational-Scientific Program

9. E.O. PATON EDUCATIONAL AND RESEARCH INSTITUTE OF MATERIALS SCIENCE AND WELDING (IMSW)

1. General description of specialists

Institute trains highly qualified professionals for the development of new materials (alloys, composite, polymer, ceramic, and metal-ceramic materials), high-end technologies for their production, research and management of properties, and automation process with the use of modern computer and information technology, technologies for obtaining integral joints and surface engineering.

Graduates of the institute work in research centers and institutes of the National Academy of Sciences of Ukraine, branch research and design institutes, and industrial enterprises in almost all industries that produce parts and functional elements for devices, machines, and mechanisms from composite materials, metals, and alloys.

2. Contact information

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3. Educational Programs

Specialty	Educational Program Name	Levels of higher education		
		First	Second	Third
131 Applied Mechanics	Laser Technics and Computer-Assisted Advanced Material Processing	Bachelor EPP	Master EPP Master ESP	–
	Engineering of Welding, Laser and Related Technologies	Bachelor EPP	Master EPP	–
	Technologies and Engineering in Welding	Bachelor EPP	Master EPP Master ESP	–
	Technological Systems of Joints and Surfaces Engineering	Bachelor EPP	Master EPP	–
	Applied Mechanics	–	Master EPP	Ph.D. ESP
132 Materials Science	Engineering and Computer Simulation in Materials Science	Bachelor EPP	Master EPP	–
	Nanotechnologies and Computer-Aided Materials Design	Bachelor EPP	Master EPP Master ESP	–
	Materials Science	–	Master ESP	Ph.D. ESP
136 Metallurgy	Computer-Based Casting Processes	Bachelor EPP	Master EPP Master ESP	– –
	Metallurgy	–	–	Ph.D. ESP

Comment: EPP – Educational-Professional Program

ESP – Educational-Scientific Program

10. EDUCATIONAL AND RESEARCH INSTITUTE OF NUCLEAR AND HEAT POWER (INHW)

1. General description of specialists

The faculty trains specialists in the field of thermal and nuclear power engineering, research and automation of heat and power processes, and computer technologies in the energy sectors who can design, operate, and adjust power equipment of thermal and nuclear power plants (TPP and NPP), industrial plants, advanced computerized systems for control and management of energy complex enterprise.

Graduates are working in engineering and management positions of power units of industrial plants, thermal power plants and nuclear power plants, design and research institutes of the National Academy of Sciences of Ukraine, as administrators of information and computer systems and networks in the public, private, academic, industrial establishments and companies.

2. Contact information

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3. Educational Programs

Specialty	Educational Program Name	Levels of higher education		
		First	Second	Third
151 Automation and Computer Integrated Technologies	Automation and Computer-Integrated Technologies of Cyber-Energy Systems	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
			Master <i>ESP</i>	
	Automation and Computer Integrated Technologies	–	Master <i>ESP</i>	Ph.D. <i>ESP</i>

142 Power Machinery	Engineering and Computer Technology of Thermal Power Systems	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
			Master <i>ESP</i>	
	Power Machinery	–	–	Ph.D. <i>ESP</i>
143 Nuclear Power Engineering	Nuclear Power Plants	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
			Master <i>ESP</i>	
	Physical Protection, Accounting, and Control of Nuclear Materials	–	Master <i>EPP</i>	–
	Nuclear Power Engineering	–	–	Ph.D. <i>ESP</i>
144 Thermal Power Engineering	Modeling and Computer Technologies in Thermal Physics	Bachelor <i>EPP</i>	–	–
	Thermal Power Engineering		–	
121 Software Engineering	Software Engineering of Intelligent Cyber-Physical Systems in the Energy Industry	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
			Master <i>ESP</i>	
	Distributed Systems Software Engineering	Bachelor <i>EPP</i>	–	–
	Software Engineering	–	–	Ph.D. <i>ESP</i>
122 Computer Science	Digital Technologies in Energy Industry	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
	Computer Monitoring and Geometric Modelling of Processes and Systems	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
			Master <i>ESP</i>	
	Computer Science	–	Master <i>ESP</i>	Ph.D. <i>ESP</i>

*Comment: EPP – Educational-Professional Program
ESP – Educational-Scientific Program*

11. FACULTY OF CHEMICAL ENGINEERING

1. General description of specialists

The Faculty provides training of specialists in the field of mechanical engineering, resource-saving, ecology, and computer-integrated technologies that allow you to design, explore and exploit technological processes, equipment and management systems, chemical and oil refining industries, enterprises of building materials, pulp and paper production, processing plants polymers, environmental protection institutions.

Graduates of the faculty work as development project managers and leading specialists in the operating processes, equipment, control systems, and software on different forms of ownership.

2. Contact information

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3. Educational Programs

Specialty	Educational Program Name	Levels of higher education		
		First	Second	Third
151 Automation and Computer-Integrated Technologies	Automation Hardware and Software	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
			Master <i>ESP</i>	
	Automation and Computer-Integrated Technologies	–	–	Ph.D. <i>ESP</i>

161 Chemical Technologies and Engineering	Industrial Ecology and Resource-Efficient Cleaner Technologies	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
			Master <i>ESP</i>	
	Chemical Resource Efficient Technologies of Inorganic and Organic Substances, Materials, and Coatings	–	–	–
	Chemical Technologies and Engineering	–	–	Ph.D. <i>ESP</i>
101 Ecology	Environmental Safety	Bachelor <i>EPP</i>	Master <i>EPP</i>	
	Ecology	–	–	Ph.D. <i>ESP</i>
133 Industrial Machinery Engineering	Computer-Aided Design of Chemical Equipment	Bachelor <i>EPP</i>	–	–
	Engineering and Computer-Integrated Technologies for Designing Innovative Industry Equipment	–	Master <i>EPP</i>	–
			Master <i>ESP</i>	
	Engineering of Equipment for the Production of Polymer and Building Materials and Products	Bachelor <i>EPP</i>	–	–
Industrial Machinery Engineering	–	–	Ph.D. <i>ESP</i>	
131 Applied Mechanics	Engineering of Packaging Products, Processes, and Equipment	Bachelor <i>EPP</i>	Master <i>EPP</i>	
			Master <i>ESP</i>	
	Applied Mechanics	–	–	PhD <i>ESP</i>

Comment: *EPP* – Educational-Professional Program
ESP – Educational-Scientific Program

12. FACULTY OF CHEMICAL TECHNOLOGY (FCT)

1. General description of specialists

Faculty trains experts in various areas of theoretical and applied chemistry, who are capable to carry out research in the laboratory or large-capacity synthesis of new organic and inorganic compounds for various purposes – inhibitors of corrosion to the materials of electronics and space technology, to develop and design the modern eco-friendly chemical technology, production of chemicals, coagulants, ceramic, silicate, silicone, elastomer, plastic and many other materials, metals and coatings.

Graduates work in the chemical divisions of the National Academy of Sciences, industrial research institutes, companies of the chemical and related profile, government institutions, chemical and allied industries, sanitary and epidemiological services, institutions of environmental inspection and monitoring, scientific and technical divisions of public law enforcement agencies, stations of drinking water and wastewater treatment.

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3. Educational Programs

Specialty	Educational Program Name	Levels of higher education		
		First	Second	Third
161 Chemical Technologies and Engineering	Chemical Technology of Organic Substances	Bachelor <i>EPP</i>	–	–
	Chemistry and Technology of Organic Materials	–	Master <i>EPP</i>	–
			Master <i>ESP</i>	

161 Chemical Technologies and Engineering	Chemical Resource Efficient Technologies of Inorganic and Organic Substances, Materials, and Coatings	–	Master <i>ESP</i>	–
	Chemical Technology of Synthesis, and Physical and Chemical Properties of Organic Materials	–	Master <i>ESP</i>	–
	Chemical Technology of Inorganic Substances and Water Treatment	Bachelor <i>EPP</i>	–	–
	Chemical Technologies of Inorganic, Electrode Materials and Water Treatment	–	Master <i>EPP</i>	–
			Master <i>ESP</i>	
	Electrochemical Technologies of Organic and Inorganic Substances	Bachelor <i>EPP</i>	–	–
	Chemical Technologies of Inorganic Ceramic Materials	Bachelor <i>EPP</i>	–	–
	Chemical Technology of Inorganic Binders, Ceramic, Glass, and Polymeric and Composite Materials	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
	Chemical Technologies of Inorganic and Organic Binders and Composition Materials	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
			Master <i>ESP</i>	
Chemical Technologies of Cosmetic Products and Food Additives	Bachelor <i>EPP</i>		–	
Chemical Technologies and Engineering	–	–	Ph.D. <i>ESP</i>	

*Comment: EPP – Educational-Professional Program
ESP – Educational-Scientific Program*

13. FACULTY OF ELECTRIC POWER ENGINEERING AND AUTOMATICS (FEPEA)

1. General description of specialists

The Faculty trains specialists, who can develop, design, and operate modern electric power and electromechanical systems, manage the process of electric power enterprises and their automation based on the widespread use of information and computer systems.

FEPEA graduates work in the positions of heads and leading specialists of structural units of power supply companies and power systems, research and design organizations, and electrical industrial institutions of various forms of ownership in Ukraine and abroad. The best graduates can continue their education in graduate school to obtain a scientific degree.

2. Contact information

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Tel.: +38(044) 204-84-41
e-mail: fea@kpi.ua
Official website: fea.kpi.ua

3. Educational Programs

Specialty	Educational Program Name	Levels of higher education		
		First	Second	Third
141 Electric Power Engineering, Electrotechnics, and Electromechanics	Electrical Machines and Apparatus	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
			Master <i>ESP</i>	

141 Electric Power Engineering, Electrotechnics, and Electromechanics	Control, Protection, and Automation of Electric Power Systems	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
			Master <i>ESP</i>	
	Electromechanical Automation Systems, Electrical Drive, and Electromobility	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
			Master <i>ESP</i>	
	Electrical Systems and Networks	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
			Master <i>ESP</i>	
	Power Plants	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
			Master <i>ESP</i>	
Alternative and Renewable Sources of Energy	Bachelor <i>EPP</i>	Master <i>EPP</i>	–	
		Master <i>ESP</i>		
Electrotechnical Devices and Electrotechnological Systems	Bachelor <i>EPP</i>	Master <i>EPP</i>	–	
		Master <i>ESP</i>		
Electric Power Engineering and Electromechanics	–	Master <i>ESP</i>	–	
Electric Power Engineering, Electrotechnics, and Electromechanics	–	–	Ph.D. <i>ESP</i>	

*Comment: EPP – Educational-Professional Program
ESP – Educational-Scientific Program*

14. FACULTY OF INFORMATICS AND COMPUTER SCIENCE (FICS)

1. General description of specialists

The faculty trains qualified experts in the development and operation of software and hardware of the computer and computerized systems and networks, the introduction of modern information technologies of general and designated purpose for various branches of science and industry. They are capable of creating and maintaining computer systems and computerized data processing and management of organizational and technical facilities.

Graduates work as managers and developers of hardware and software systems, project managers, and managers of informational, computer, and computerized systems and networks in the public and private scientific, industrial, banking institutions and firms.

2. Contact information

Faculty Dean: Prof., Dr. o. Sci., Serhii F.Telenyk

Address: 41, Polytechnichna Street, Ed. Building No 18, Kyiv, 03056, Ukraine

Tel.: +38 (044) 240-82-60

e-mail: fiot@kpi.ua

Official website: <http://fiot.kpi.ua>

3. Educational Programs

Specialty	Educational Program Name	Levels of higher education		
		First	Second	Third
121 Software Engineering	Computer Systems Software Engineering	Bachelor EPP	Master EPP	–
			Master ESP	
	Computer and Information Systems Software Engineering	–	Master ESP	–
	Software Engineering	–	–	Ph.D. ESP
123 Computer Engineering	Computer Systems and Networks	Bachelor EPP	Master EPP	–
			Master ESP	
	Computer Engineering	–	–	Ph.D. ESP
126 Information Systems and Technologies	Integrated Information Systems	Bachelor EPP	Master EPP	–
			Master ESP	
	Dataware of Robotic Systems	Bachelor EPP	Master EPP	–
			Master ESP	
Information Management Systems and Technologies	Bachelor EPP	Master EPP	–	
		Master ESP		
	Integrated Information Systems	–	–	Ph.D. ESP

Comment: EPP – Educational-Professional Program
ESP – Educational-Scientific Program

15. FACULTY OF BIOMEDICAL ENGINEERING (FBE)

1. General description of specialists

The Faculty trains specialists in the modern sections of biomedical engineering, medical and biological informatics and cybernetics, and physical rehabilitation.

FBE students undergo practical training at leading academic institutions, clinical hospitals, and manufacturing facilities in Ukraine and abroad. Graduates of the faculty work both in Ukraine and abroad, occupying the post of leading experts - biomedical engineers, software developers, and scientists.

The basic concept of the faculty is that the subjects of study combine engineering, information, and medical biology. Students are offered, in addition to the usual and accepted disciplines at the Technical University, the study of Latin and medical terminology, mathematical modeling of physiological systems, telemedicine, medical instrumentation, Development of man-made biological objects, biomaterials, and more

2. Contact information

Faculty Dean: Prof., Dr. of Med. Sci., Vitalii B. Maksymenko

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Kyiv, 03056, Ukraine

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e-mail: mmif@kpi.ua

Official website: fbmi.kpi.ua

3. Educational Programs

Specialty	Educational Program Name	Levels of higher education		
		First	Second	Third
163 Biomedical engineering	Medical engineering	Bachelor <i>EPP</i>	Master <i>EPP</i> Master <i>ESP</i>	–
	Regenerative and Biopharmaceutical Engineering	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
	Biomedical engineering	–	–	Ph.D. <i>ESP</i>
152 Metrology and Information-Measuring Technology	Biomedical Devices and Information-Measuring Systems	Bachelor <i>EPP</i>	–	–
122 Computer science	Computer Technologies in Biology and Medicine	Bachelor <i>EPP</i>	Master <i>EPP</i> Master <i>ESP</i>	–
	Computer science	–	Master <i>ESP</i>	Ph.D. <i>ESP</i>
227 Physical Therapy, Ergotherapy	Physical Therapy	–	Master <i>EPP</i>	–
	Physical Therapy, Ergotherapy	Bachelor <i>EPP</i>	–	Ph.D. <i>ESP</i>
091 Biology	Applied Biology	–	–	Ph.D. <i>ESP</i>

*Comment: EPP – Educational-Professional Program
ESP – Educational-Scientific Program*

16. FACULTY OF APPLIED MATHEMATICS (FAM)

1. General description of specialists

The Faculty trains specialists in the area of information technologies, the design of operating systems, development of the system and applied software, the design of automation systems, scientific research, expert systems, development and use of computer systems and general-purpose networks, specialized computer systems and networks with optimized parameters, protection of information in computer systems, local and distributed computing systems.

Graduates of the faculty work in institutes of the National Academy of Sciences of Ukraine, sectoral research institutes, organizations, and enterprises that are engaged in the development and implementation of mathematical methods, computer and software systems, and other software and hardware automation of information, production, design and research processes, providing information technologies, protection of information, etc.

2. Contact information

Faculty Dean: Prof., Dr. of Tech. Sci., Ivan A. Dychka

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Official website: <http://fpm.kpi.ua>

3. Educational Programs

Specialty	Educational Program Name	Levels of higher education		
		First	Second	Third
113 Applied Mathematics	Data Science and Mathematical Modelling	Bachelor <i>EPP</i>	Master <i>EPP</i> Master <i>ESP</i>	–
	Applied Mathematics	–	–	Ph.D. <i>ESP</i>
123 Computer Engineering	System Programming and Specialised Computer Systems	Bachelor <i>EPP</i>	Master <i>EPP</i> Master <i>ESP</i>	–
	Computer Engineering	–	–	Ph.D. <i>ESP</i>
121 Software Engineering	Software Engineering of Multimedia and Information Retrieval Systems	Bachelor <i>EPP</i>	Master <i>EPP</i> Master <i>ESP</i>	–
	Software Engineering of Computer and Information Retrieval Systems	Bachelor <i>EPP</i>	–	–
	Software Engineering	–	–	Ph.D. <i>ESP</i>

Comment: *EPP* – Educational-Professional Program
ESP – Educational-Scientific Program

17. FACULTY OF PHYSICS AND MATHEMATICS (FPM)

1. General description of specialists

Faculty trains specialists in fundamental and applied problems in various branches of modern physics – from aerodynamics and hydrodynamics to nuclear physics and elementary particles with the use of the methods of mathematical and computer modeling, as well as in analysis and forecasting of economic activity of the subjects of market economics.

Graduates of the Faculty are working as the specialists in the field of nanotechnology, solid-state physics, chaos theory and nonlinear phenomena, astrophysics, information technologies in physics, software developers of biomedical processes description, the developers of the methods of quantum chemistry, researchers, teachers at higher education institutions, systems analysts in state and commercial institutions.

2. Contact information

Faculty Dean: Prof., Dr. of Tech. Sci., Volodymyr V. Vanin
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 03056, Ukraine

e-mail: fmf@kpi.ua

Official website: <http://fmf.kpi.ua>

3. Educational Programs

Specialty	Educational Program Name	Levels of higher education		
		First	Second	Third
111 Mathematics	Actuarial and Financial Mathematics	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
			Master <i>ESP</i>	
	Mathematics	–	–	Ph.D. <i>ESP</i>
104 Physics and Astronomy	Computer Modelling of Physical Processes	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
			Master <i>ESP</i>	
	Physics	–	–	Ph.D. <i>ESP</i>
131 Applied Mechanics	Applied Mechanics	–	Master <i>ESP</i>	Ph.D. <i>ESP</i>
122 Computer Science	Computer Science	–	–	Ph.D. <i>ESP</i>

Comment: EPP – Educational-Professional Program

ESP – Educational-Scientific Program

18. FACULTY OF RADIO ENGINEERING (FRE)

1. General description of specialists

Radio Engineering Faculty prepares highly skilled professionals capable of working efficiently at all stages of design and manufacturing of modern electronic devices and systems: satellite communication (GPS, GLONASS, Galileo, VSAT) and mobile (GSM, CDMA); wired (including optical lines) and wireless computer networks (Wi-Fi, Bluetooth); television and telecommunications systems (WiMAX, LTE, DVB-T2) special communication systems; microprocessor and computer control systems for domestic and industrial purposes; biotechnical and medical diagnosis and treatment systems; robotics and mechatronic systems.

Students of the Faculty of Radio Engineering complete internships and work at enterprises not only in Ukraine but also abroad. Graduates work in most satellite and mobile communications companies and Internet service providers: Lifecell, Kyivstar, Lanet, Volya, Freshtel, and others.

2. Contact information

Dean: Ph. D., Associate Prof. Ruslan V. Antipenko

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e-mail: r.anti@ukr.net

Official website: rtf.kpi.ua

3. Educational Programs

Specialty	Educational Program Name	Levels of higher education		
		First	Second	Third
172 Telecommunications and Radio Engineering	Radio System Engineering	Bachelor <i>EPP</i>	–	–
	Radio Electronic Engineering	–	Master <i>ESP</i>	–
	Information and Communication Radio Engineering	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
			Master <i>ESP</i>	
	Radio Technical Information Technologies	Bachelor <i>EPP</i>	–	–
	Radio Electronic Engineering	–	Master <i>ESP</i>	–
	Intelligent Technologies of Microsystem Electronic Equipment	Bachelor <i>EPP</i>	–	–
	Radio Communication and Signal Processing	Bachelor <i>EPP</i>	–	–
Телекомунікації та радіотехніка	–	–	PhD <i>ESP</i>	

*Comment: EPP – Educational-Professional Program
ESP – Educational-Scientific Program*

19. FACULTY OF ELECTRONICS (FEL)

1. General description of specialists

Faculty trains specialists in the field of nanoelectronics, biomedical electronics, acoustic, and acoustoelectronics, data processing and telecommunication systems, power and industrial electronics, which surely possess advanced computer design technology, develop and operate electronic appliances, devices, and systems for various applications.

Graduates of FEL **are fluent in:**

- modern computer technology design, develop and operate;
- electronic and acoustic instruments,
- multipurpose devices and systems.

2. Contact information

Dean: Prof., Dr. of Tech. Sci., Valerii Ya. Zhuikov

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e-mail: fel@kpi.ua

Official website: <http://fel.kpi.ua>

3. Educational Programs

Specialty	Educational Program Name	Levels of higher education		
		First	Second	Third
Micro and Nanosystem Engineering	Micro- and Nanoelectronics	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
			Master <i>ESP</i>	

153 Micro and Nanosystem Engineering	Electronic Micro- and Nanosystem electronics	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
			Master <i>ESP</i>	
	Micro and Nanosystem Engineering	–	Master <i>ESP</i>	PhD <i>ESP</i>
171 Electronics	Electronic Components and Systems	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
			Master <i>ESP</i>	
	Electronic Devices and Equipment	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
			Master <i>ESP</i>	
	Electronic Components, Devices and Systems	–	Master <i>EPP</i>	–
	Acoustic Electronic Systems and Acoustic Information Processing Technologies	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
Master <i>ESP</i>			–	
Electronic Systems of Multimedia and Internet of Things Technology	Bachelor <i>EPP</i>	Master <i>EPP</i>	–	
		Master <i>ESP</i>		
Electronics	–	–	Ph.D. <i>ESP</i>	
172 Telecommunications and Radio Engineering	Information-Computing Means for Radio Electronic Systems	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
			Master <i>ESP</i>	
	Radio Electronic Engineering	–	Master <i>ESP</i>	–
	Telecommunications and Radio Engineering	–	–	Ph.D. <i>ESP</i>

*Comment: EPP – Educational-Professional Program
ESP – Educational-Scientific Program*

20. FACULTY OF INSTRUMENTATION ENGINEERING (FIE)

1. General description of specialists

Faculty of Instrumentation Engineering provides training in the development and maintenance of modern instruments and systems for various applications: measuring equipment of onboard complexes, diagnostic complexes for medical and General purposes, controlling devices energy-saving systems.

Graduates of the faculty work at instrument-making enterprises of the aviation and space profile, enterprises to introduce energy-saving technologies, with the development and implementation of modern medical diagnostic, fitness and medical facilities, transport and printing enterprises.

Students acquire knowledge and skills in using modern methods of building high-precision devices using microprocessor and computer technology, computer-aided design systems, and computer graphics.

2. Contact information

Faculty dean: Prof., Dr. of Tech. Sci., Griporiy S. Tymchyk
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Official website: pbf.kpi.ua

3. Educational Programs

Specialty	Educational Program Name	Levels of higher education		
		First	Second	Third
151 Automation and Computer-Integrated Technologies	Computer-Integrated Systems and Technologies	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
			Master <i>ESP</i>	

151 Automation and Computer-Integrated Technologies	Computer Integrated Technologies in Instrument Making	Bachelor <i>EPP</i>	–	–
	Computer-Integrated Optoelectronic Systems and Technologies	Бакалавр <i>ОПП</i>	–	–
	Computer-Integrated Technologies of Measuring Instruments Design	Bachelor <i>EPP</i>	–	–
	Robotic and Automated Non-Destructive Testing and Diagnostic Systems	Bachelor <i>EPP</i>	–	–
	Computer-Integrated Technologies and Navigation and Control Systems	Bachelor <i>EPP</i>	–	–
	Automation and Computer Integrated Technologies	–	Master <i>ESP</i>	Ph.D. <i>ESP</i>
152 Metrology and Information-Measuring Technology	Information-Measuring Technologies	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
	Information-Measuring Technologies for Ecological Safety	Bachelor <i>EPP</i>	–	–
	Information-Measuring Technologies and Systems	Bachelor <i>EPP</i>	–	–
	Metrology and Measuring Technique	Bachelor <i>EPP</i>	–	–
	Metrology and Information-Measuring Technology	–	–	Ph.D. <i>ESP</i>

*Comment: EPP – Educational-Professional Program
 ESP – Educational-Scientific Program*

21. FACULTY OF MANAGEMENT AND MARKETING (FMM)

1. General description of specialists

The faculty prepares professionals which are required by modern national and international business - leaders with quality economic education. Faculty trains highly qualified specialists in management, economics, and business, who are capable of making well-grounded decisions on personnel management, production management, marketing control, and foreign trade activities, to ensure the effective functioning of the economy.

Professional titles of work undertaken by **FMM** graduates: economist, economic advisor, manager, expert, supervisor, inspector, consultant.

2. Contact information

Faculty Dean: Prof., Dr. of Econ. Sci., Maria O. Kravchenko

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Tel.: +38 044 204 85 11, +38 044 204 81 73

e-mail: fmm@kpi.ua

Official website: <http://fmm.kpi.ua>

3. Educational Programs

Specialty	Educational Program Name	Levels of higher education		
		First	Second	Third
051 Economics	International Economics	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
	Economic Cybernetics	Bachelor <i>EPP</i>	Master <i>EPP</i>	–

051 Economics	Economic of Business Enterprise	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
	Human Resources Management and Labor Economics	Bachelor <i>EPP</i>	–	–
	Economics	–	–	Ph.D. <i>ESP</i>
073 Management	Logistics	–	Master <i>EPP</i>	–
	Management and Business Administration	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
	Management of Investments and Innovations	–	Master <i>EPP</i>	–
	Management of International Business	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
	Management in the Sphere of Military-Industrial Complex	–	Master <i>EPP</i>	–
	Management	–	–	Ph.D. <i>ESP</i>
075 Marketing	Industrial Marketing	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
	Marketing	–	–	Ph.D. <i>ESP</i>

*Comment: EPP – Educational-Professional Program
ESP – Educational-Scientific Program*

22. FACULTY OF BIOTECHNOLOGY AND BIOENGINEERING (FBB)

1. General description of specialists

The Faculty provides training of highly qualified specialists to work in the most modern sectors of biotechnology: microbial synthesis of biologically active compounds, immunobiotechnology, genetic engineering biotechnology, biotechnology of pharmaceutical drugs, ecobiotechnology, bioenergetics, biodegradation of wastes, obtaining a useful substance from the biomass and wastes, biotesting of pollutions, engineering support of biotechnological and pharmaceutical productions, molecular biotechnology and bioinformatics.

Graduates of the Faculty are capable to develop and implement the latest technological processes to design equipment for biotechnological and pharmaceutical productions, monitor and protect the environment from man-made impacts competently and scientifically, and simulate biotechnological processes to determine the optimum conditions of biosynthesis, biodestruction of wastes and optimization of damaged ecosystems through the widespread use of the most advanced mathematical methods and computer technology.

2. Contact information

Acting Dean: Prof., Dr. of Biology, Tetiana S. Todosiichuk

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Tel.: +38(044) 204-94-52, +38(044) 204-83-12

e-mail: biotech@kpi.ua

Official website: biotech.kpi.ua

3. Educational Programs

Specialty	Educational Program Name	Levels of higher education		
		First	Second	Third
091 Biology	Applied Biology	–	–	–
162 Biotechnology and Bioengineering	Biotechnology	Bachelor <i>EPP</i>	Master <i>EPP</i>	Ph.D. <i>ESP</i>
			Master <i>ESP</i>	
133 Industrial Machinery Engineering	Equipment of Pharmaceutical and Biotechnological Productions	Bachelor <i>EPP</i>	Master <i>EPP</i>	– –
	Industrial Machinery Engineering	–	–	Ph.D. <i>ESP</i>

*Comment: EPP – Educational-Professional Program
ESP – Educational-Scientific Program*

23. FACULTY OF LINGUISTICS (FL)

1. General description of specialists

During the training, students learn fundamental and professionally-oriented disciplines in the field of Philology and Translation and acquire practical experience in the professional maintenance of intercultural communication representatives of native culture and cultures of the two necessarily studied languages. The program also provides training study of pedagogical disciplines that enables graduates to the teaching of foreign languages in middle and high school.

The faculty prepares highly qualified professional translators who work effectively in different sectors of the economy and business in Ukraine. Graduates of the faculty become not only highly qualified translators, but also the language teachers, both in the NTUU "KPI" and in the other organizations.

2. Contact information

Faculty Dean: Prof., Ph.D. in Pedagogics,
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Official website: fl.kpi.ua

3. Educational Programs

Specialty	Educational Program Name	Levels of higher education		
		First	Second	Third
35 Philology	Germanic Languages and Literatures (Including Translation), Primary – English	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
	Germanic Languages and Literatures (Including Translation), Primary – German	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
	Romantic Languages and Literatures (Including Translation), Primary – French	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
	Philology	–	–	PhD <i>ESP</i>

Comment: EPP – Educational-Professional Program

ESP – Educational-Scientific Program

24. FACULTY OF SOCIOLOGY AND LAW (FSL)

1. General description of specialists

The faculty prepares specialists in management, social work, and law. Specialists of administrative management and social work are involved in the planning, organization of work, the collection and processing of information, introduction of innovations, and the study of the social structure, levels, and forms of life of people in different socio-cultural, regional, national conditions, the implementation of social care and protection of the population, providing skilled care to groups and individuals of various social status, age, and ethnicity. They work in the field of social planning and social policy in the organizations and institutions of all forms of ownership, as well as in public organizations.

Law students in the learning process get a thorough knowledge of the criminal, customs, administrative, civil, labor, economic, environmental, financial, and international law, intellectual property law, notaries, and arbitration proceedings. After graduation, they are successfully working in law enforcement agencies, government bodies, the legal profession, banks, and legal services, and government and commercial institutions.

2. Contact information

Faculty Dean: Associate Prof., Ph.D., Yana Yu. Tsymbalenko
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Tel.: +380 44 204 82 00

e-mail: fsp@kpi.ua, **Official website:** <http://fsp.kpi.ua>

3. Educational Programs

Specialty	Educational Program Name	Levels of higher education		
		First	Second	Third
281 Public Administration and Governance	Administrative management	Bachelor <i>EPP</i>	–	–
	Electronic Governance	Bachelor <i>EPP</i>	–	–

281 Public Administration and Governance	Public Administration and Electronic Governance	–	Master <i>EPP</i>	
	Public Administration and Governance	–	–	Ph.D. <i>ESP</i>
054 Sociology	Conflict Regulation and Mediation	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
	Sociology	–	–	Ph.D. <i>ESP</i>
081 Law	Law	Bachelor <i>EPP</i>	–	Ph.D. <i>ESP</i>
	Information Law and Intellectual Property Law	–	Master <i>EPP</i>	–
	Economic and Administrative Law and Process	–	Master <i>EPP</i>	–
053 Psychology	Applied Psychology	Bachelor <i>EPP</i>	–	–
	Psychology			Ph.D. <i>ESP</i>
231 Social Work	International Social Projects and Volunteering	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
	Social Work	–	–	Ph.D. <i>ESP</i>
033 Philosophy	Philosophy	–	–	Ph.D. <i>ESP</i>
032 History and Archeology	History	–	–	Ph.D. <i>ESP</i>

*Comment: EPP – Educational-Professional Program
ESP – Educational-Scientific Program*

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