



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, 2023

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1. A COMMON DESCRIPTION OF THE IGOR SIKORSKY KPI

The National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute" (abbreviated as Igor Sikorsky KPI) is a national autonomous state higher education institution of research type founded in 1898. It is one of the best technical universities in Ukraine according to the international QS and Webometrics rankings and holds the highest position among Ukrainian higher education institutions. It has 25,000 students, including foreign bachelors, masters, PhDs and doctors of science.

The university employs more than 1800 researchers.

During its existence, Igor Sikorsky KPI has prepared more than 380 thousand engineers.



Position in rankings

- Times Higher Education (THE World University Rankings 2023) – 1201-1500
- THE World University Rankings 2023 by subject: engineering – 801-1000
- THE Impact Rankings, 2022 – 1001+, 2023 – 1001+
- THE Impact Rankings (SDG 17 - Partnerships for the goals) 2023 – 1001+
- QS World University Rankings 2024 – 731-740
- QS World University Rankings by Subject 2023: Engineering & Technology – 451-500

Structure and governance

The main structural subdivisions of the University are faculties, educational and scientific institutes, departments, scientific and technical library

The University has 14 faculties, 9 educational and research institutions, several research institutes, and research centers.

Institutes

- [Educational and Research Institute for Applied System Analysis](#)
- [Educational and Research Institute of Telecommunication Systems](#)
- [Educational and Research Institute of Aerospace Technologies](#)
- [Educational and Research Institute of Nuclear and Heat Power Engineering](#)
- [Educational and Research Institute of Energy Saving and Energy Management](#)
- [Educational and Research Institute of Specialized Communication and Information Security](#)
- [Educational and Research Institute of Mechanical Engineering](#)
- [Educational and Research Institute of Printing and Publishing](#)
- [Educational and Research Institute of Physics and Technology](#)

Faculties

- [Faculty of Chemical Engineering](#)
- [Faculty of Biomedical Engineering](#)
- [Faculty of Instrumentation Engineering](#)
- [Faculty of Radio Engineering](#)
- [Faculty of Biotechnology and Biotechnics](#)
- [Faculty of Electric Power Engineering and Automatics](#)
- [Faculty of Electronics](#)
- [Faculty of Informatics and Computer Science](#)
- [Faculty of Linguistics](#)
- [Faculty of Management and Marketing](#)
- [Faculty of Sociology and Law](#)
- [Faculty of Applied Mathematics](#)
- [Faculty of Physics and Mathematics](#)
- [Faculty of Chemical Technology](#)

Separated Structural Subdivisions

- [Institute of Education Quality Monitoring](#)
- [Educational Methodical Complex "Institute of Postgraduate Education"](#)
- [Center of International Education](#)
- [Polytechnic High School](#)
- [Technical High School](#)

Scientific Subdivisions

- [Scientific and Technical Library](#)

- [State Polytechnic Museum](#)
- [Academic Council](#)
- [Science Park "Kyiv Polytechnic"](#)
- [Scientific and Technical Association "KPI-Telecom"](#)

Departments

- [Case Management Department](#)
- [Chore Department](#)
- [Department of Economics and Finance](#)
- [Department of educational process organization](#)
- [Department of educational process quality](#)
- [Department of educational work](#)
- [Department of innovations and technology transfers](#)
- [International Collaboration Department](#)
- [Security department](#)
- [The Department of Property and Social Affairs](#)

Academic positioning and quality assurance

Vision: *To contribute to the society based on sustainable development concepts. To be a technical research-led university of the world level. To create all conditions for training highly qualified specialists able to generate modern scientific knowledge and innovation technologies for the benefit of people and ensure a decent place of Ukraine in the world community.*

Igor Sikorsky Kyiv Polytechnic Institute cooperates with technical universities of dozens of world countries, a lot of international organizations (UNESCO, UNIDO, WIPO, NATO, EDNES, ICSU, CODATA etc) and the most leading corporations and firms (SIEMENS,

FESTO, SAMSUNG, INTEL etc), takes part on international educational, scientific projects and programs.

Igor Sikorsky Kyiv Polytechnic Institute collaborating with well-known companies (MOTOROLA, SIEMENS, FESTO, SAMSUNG, INTEL, etc.) from 47 countries. The University was also the initiator of the creation of "Center of Supercomputer Calculations and Data" in Ukraine. New computer network educational technologies are being implemented that enables to provide qualified education.

Igor Sikorsky Kyiv Polytechnic Institute is a principal organization of National information network of higher educational establishment and institutes of National Academy of Sciences – URAN that is integrated with European educational network – GEANT. The university has become the initiator of “Center of supercomputer calculations and data” in Ukraine.

New developments of Igor Sikorsky Kyiv Polytechnic Institute are awarded with State prize of Ukraine in the field of science and technology. Scientific Park “Kyiv polytechnic” plays a significant role in the commercialization of scientific research results and technical developments of the university.

The organizer of the interaction of the country's institutions interested in the development of the Ukrainian innovation economy is the Innovative Ecosystem "Sikorsky Challenge" of Igor Sikorsky KPI. It is the open innovation ecosystem that unites universities, research institutions, state authorities, local authorities, business companies, foundations, and NGOs.

Those who are interested in history of science and technology are familiarized with State polytechnic museum of Igor Sikorsky Kyiv Polytechnic Institute being one of the biggest Ukrainian museums of

technology and equipment and the biggest university museum of Ukraine.

To remember renowned predecessors there is a monument to famous graduates, scientists whose lives were connected with Igor Sikorsky Kyiv Polytechnic Institute on campus.

Official channel <https://www.youtube.com/user/kpiua/featured>

Scientific and Technical Library of Igor Sikorsky Kyiv Polytechnic Institute is one of the best in country. The resources and services of KPI Library are open for anyone who needs them. It is intellectual, communicative, innovative open platform; reliable partner of university and professional community in educational and scientific environment development

The KPI library has one of the best library systems in the world, ALEPH, which has automated the main processes: collection, cataloguing, inventory, book publishing, etc. Library Eco-friendly - the project of KPI Library is aimed to promote deliberate consumption, minimizing wastes, and spreading eco-habits by personal example. Greter and Kryvanek educational studies are an open educational platform for purposeful leisure, education, self-development, generation of ideas and design of own projects. And many other projects at the KPI Library - Save the KPI history; Book for a Student; Digital Library; Inclusive Environment of Open Science and Academic Integrity: Values in Daily Actions.

Today, the main goal of the Igor Sikorsky KPI is the training of highly qualified specialists and to do research for "breakthrough" in such 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

Regional and national strategies

Further development of Igor Sikorsky Kyiv Polytechnic Institute in the near future shall also be based on platform made by the university collective of many thousands for times of independence of Ukraine taking into account new realities and calls of present time. The main thing that was achieved by now: The transformation of Igor Sikorsky Kyiv Polytechnic Institute is carried out in accordance with the model of large polytechnic institute functioning in scopes of the centralized economy of the European standard. In accordance with the necessities of new country, 11 new faculties and institutes, over 50 new departments, are created, over 150 new education programs are opened, important transformations are implemented on a way to integration in European High Education and Research Area.

Carried out decentralization of management, democratization of university life. One of the best systems of self-government of a huge labor collective of many thousands on all levels of management the

university in the country has been created. Through the mechanism of collective agreements, democratic system of elections of leaders of subdivisions and student leaders of Igor Sikorsky Kyiv Polytechnic Institute put to beginning to control of work and acceptance of important decisions, control after their implementation that provide unrestrained and permanent advancement of university in accordance with the accepted strategy.

KPI promotes the strengthening of the role of universities in shaping the policy of sustainable development of the state and regions, in particular, the Black Sea countries.

The university was a leader in development and an embodiment of large-scale plans and tasks, as well as an initiator and the direct developer of the legal framework for higher education and science of independent Ukraine. The institutes of national scale, one of the first State polytechnic museum, Scientific Park “Kyivska Polytechnika” and the innovative ecosystem “Sikorsky Challenge”, that became the first small island of hi-tech innovations in the country, ramifying on 12 regions of Ukraine. Achievements of scientists of Igor Sikorsky Kyiv Polytechnic Institute are in scientifically innovative activity, in particular in scientific accompaniment of defensive-industrial complex of the state, in the space researches, in creation of unmanned aviation, in the field of cyber-security and other critical directions of high-tech. They are well known in a country and in the world and have won 110 State awards of Ukraine in area of science and many state awards during the years of independence.

Innovative ecosystem “Sikorsky Challenge” that was founded in 2004 and 2006 on a basis of Igor Sikorsky Kyiv Polytechnic Institute and functions effectively for over 16 years. The ecosystem “Sikorsky Challenge” organizes cooperation of four groups of participants: first are scientific schools of university, that create new inventions, second are faculties and departments that prepare a quality human capital for

hi-tech business, third are hi-tech companies that need to present and sell new inventions and need quality personnel, and fourth is investment and venture funds that are interested in investments into start-ups. During the years of its functioning the ecosystem "Sikorsky Challenge" was sponsored by 120 Hitech companies from Ukraine, USA, EU, Israel, China, Japan, and Australia along with 7 hi-tech enterprises of Kyiv and 28 investment and venture funds. Over 150 hi-tech products and services demonstrate considerable social and economic effect on the markets of Ukraine and other countries of the world.

In national strategies, the KPI promotes Ukraine's transition to a high-tech, an innovative path of development based on the "triangle of knowledge."

Being based on the organic combination of science, front-rank education and business, on the next stage of development of university it is necessary to continue the creation of platform of innovative representation in a country in hi-tech directions (including defensive industry), where Igor Sikorsky Kyiv Polytechnic Institute has powerful works and leader positions. Implementing this task, the university already began to open the network of the start-up's schools in the different regions of Ukraine. On the next stage of development of innovative ecosystem "Sikorsky Challenge" representative offices in the regions of local innovative clusters, start-ups school of "Sikorsky Challenge", regional universities, representatives of local business, local administrations and bodies of self-government shall enter the ecosystem.

KPI plays an influential role in regional Ecosystems by representing Ukraine in various regional organizations, unions, alliances, etc.

- KPI is the only representative of Ukraine in UNAI,
- KPI is the only representative of Ukraine in UNICA,

- Secretariat of the National Committee of the Nobel Foundation operates in the KPI;
- BSUN national office in Ukraine operates in the KPI;
- UNESCO Chair operates in the KPI;
- KPI participates in large international projects: Cleaner Production Center in Ukraine (UNIDO);
- Ukrainian-Japanese center;
- More than 70 educational and scientific structures jointly with international organizations (Ukrainian-Chinese center, Ukrainian-Polish center; Ukrainian-French center), with the companies Dow Chemical, Jeppesen, Boeing, etc. operates in the KPI.

KPI plays an important role as an intellectual center for the development of strategies and ways of their implementation based on its high prestige determined:

- High position in national (TOP-200) and international (QS, THE, etc.) rankings;
- The Rector of the KPI is the Head of the Association of Rectors of Higher Technical Institutions of Ukraine;
- Co-chairman of the Union of Scientific and Technical Intellectuals of Ukraine;
- Central hub;
- BSUN national office in Ukraine.

Due to its new innovative culture and a new system of economic relations, it shall create in different corners of country; a new generation of engineers-innovators that must successfully present the start-ups to the national and international market, as they will become the basis of development of hi-tech economy of Ukraine.

European and international strategies

The strategy of development of Igor Sikorsky Kyiv Polytechnic Institute is based on solutions officially approved by the Conference of the labour collective of university and on Vision and Mission of Institute. The aim of the strategy is to assist in the formation of the society's future on principles of the conception of steady development by internationalization and integration of education, newest scientific researches and innovative developments. Igor Sikorsky Kyiv Polytechnic Institute aspires to be an excellent research-type technical university that provides training of highly qualified personnel qualified (perfect) professionals capable of producing modern scientific and innovative knowledge technologies for the benefit of humanity and ensuring Ukraine's worthy place in the world cooperation.

In the field of international relations Igor Sikorsky Kyiv Polytechnic Institute deepen the internationalization of the university, strengthen the international component of its activity, direct research and educational technologies (including technologies of dual education) in order to prepare competitive professionals to work in the global markets of education, science and innovations, continue reforming according to the model of research university of leadership-type by internationally recognised criteria.

It is planned to adapt the best experience of universities of the world and put it into practice in all areas of activity of Igor Sikorsky Kyiv Polytechnic Institute.

Igor Sikorsky Kyiv Polytechnic Institute should increase the number of students enrolled in dual degree programs and academic mobility with universities of developed countries. Now, Igor Sikorsky Kyiv Polytechnic Institute is expanding the participation of university's

youth in international leadership education programs for the future of Ukraine – people of a new European mentality, new ambitions.

It is planned to involve international scientific mobility, especially postgraduate and master's students, young teachers and scientists. In this way, the participation of KPI named after Igor Sikorsky in international consortia that submit project proposals to international grant programs and, as a result, increase the international scientific grants awarded. In the field of international scientific cooperation, the university plans to increase the effectiveness of the participation of its departments in international grant programs (starting at each department), including the programs of the European Union: "Horizon EUROPE", "ERASMUS+", "EURASIA", NATO programs "Science for peace and security" and others.

We plan to ensure the training of scientific schools through identifying "crystallization centres" at each faculty and institute - groups of young teachers and scientists who have already proven themselves in international project-grant activities and have an inclination towards this field.

Igor Sikorsky KPI actively participates in international educational, scientific projects and programs, successfully cooperates with 47 countries, has 32 joint structures with universities partners (EC, CU, UNDP, UNESCO, UNIDO, WIPO, NATO, EDNES, ICSU, CODATA). The University was also the initiator of the creation of "Centre of Supercomputer Calculations and Data" in Ukraine.

The Institute is a member and cooperates with international alliances and organizations: British Council, Black Sea Universities Network, Council for Data International Science Council, German Academic Exchange Service (DAAD), European Union, International Science Council, Japan International Cooperation Agency, Korea

International Cooperation Agency, NATO, World Intellectual Property Organization, ENHANCE Alliance, GISU, ENSTA, EPICUR, European University Association, The European Clean Hydrogen Alliance, UNICA, Organisation for Economic Co-operation and Development, UNIDO, UNDP, UNESCO

Contribution to sustainability

Igor Sikorsky Kyiv Polytechnic Institute during the past years participates in the Times Higher Education Impact Rankings* with such results (in current year) in individual SDGs (from higher ranks to lower ranks):

14. Life below water	401+
6. Clean water and sanitation	401-600
12. Responsible consumption and production	401-600
16. Peace, justice and strong institutions	401-600
7. Affordable and clean energy	601-800
8. Decent work and economic growth	801+
5. Gender equality	801-1000
17. Partnerships for the goals	1001+
4. Quality education	1001+

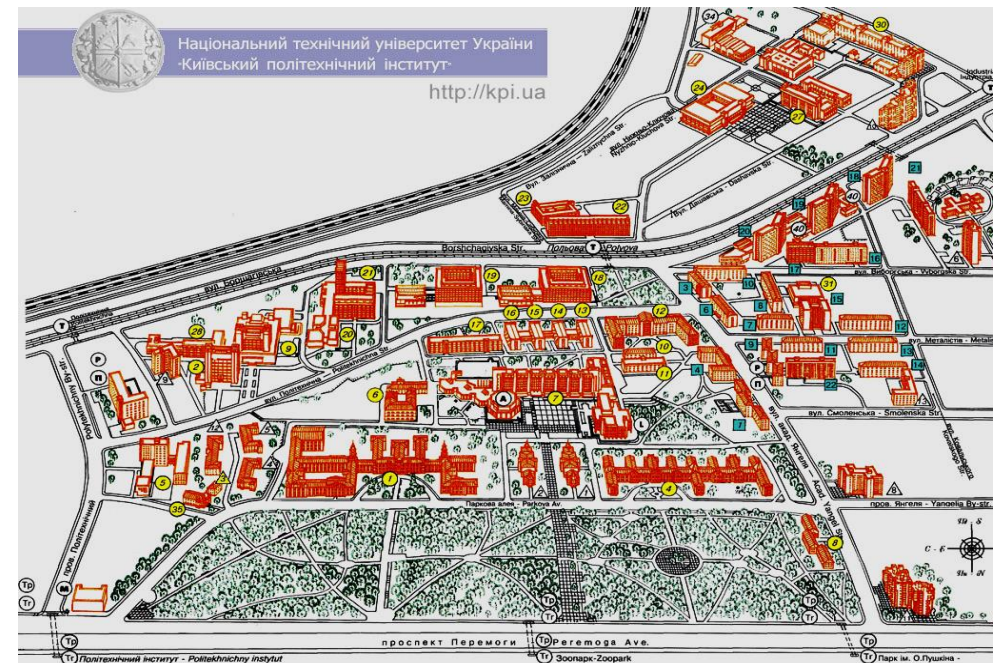
*** This rating reflects the role of 17 SDG, their including into University's Strategy for development and their realization in practice of university governing.**

1) At Igor Sikorsky Kyiv Polytechnic Institute, a training course on 'Sustainability' is offered to all university students.

2) Rector of Igor Sikorsky KPI Prof. Mykhailo Zgurovsky during many years participated in special UNESCO regional group SDG-4 (Sustainable Development in Education) and produced many fruitful ideas in this area.

3) Some years ago at the Sustainable Development Congress of Black Sea Countries on the base of KPI adopted "Kyiv Declaration" which was transferred to all European Countries Governments and international organizations (UN, UNESCO, UNIDO etc.) worldwide.

4) KPI is the only university in Ukraine that since 2011 represents the country in UNAI (United Nations Academic Impact) – in the initiative by UN Secretary General, the idea of which is: to strengthen the role of universities in solving global problems of mankind in various aspects



of sustainable development.

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	–
	Intellectual Service-Oriented Distributed Computing	Bachelor EPP	Master EPP	–
	Computer Science	–	Master ESP	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

Director of Institute: Prof., Dr. of Tech. Sci.,
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3. Educational Programs

Specialty	Educational Program	Levels of higher education		
		First	Second	Third
172 Electronic communications and Radio Engineering	Engineering of Innovative Information and Telecommunication Technologies and Systems	–	Master ESP	–
	Information and Communication Technologies	Bachelor EPP	Master EPP	–
	Engineering and Programming Infocommunications	Bachelor EPP	Master EPP	–
	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	Levels of higher education		
		First	Second	Third
131 Applied Mechanics	Dynamics and Strength of Machines	Bachelor EPP	Master EPP	–
	Manufacturing Engineering	Bachelor EPP	Master EPP	–
	Aircraft Manufacturing Technologies	Bachelor EPP	Master EPP	–
	Machine Design	Bachelor EPP	Master EPP	–
	Automated and Robotic Mechanical Systems	Bachelor EPP	Master EPP	–
	Applied Mechanics	–	Master ESP	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

Director of the Institute: Prof., Dr. of Tech. Sci.,
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3. Educational Programs

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

Director of Institute: Prof., Dr. of Tech. Sci.,
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3. Educational Programs

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

Official website: iee.kpi.ua

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.

The graduates of the Institute are employed in various enterprises and organizations across different industries in Ukraine, Asia, Europe, and America. They hold positions as energy efficiency experts, energy auditors, and inspectors in the energy sector. Additionally, they serve as leaders and leading experts in the structural divisions of enterprises and organizations within the electric power industry. Furthermore, they excel as leading experts in the mining industry, specializing in the construction and operation of urban underground structures, as well as providing monitoring services and offering consulting and engineering solutions for various facilities.

2. Contact information

Director of Institute: Prof., Dr. of Tech. Sci.,
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3. Educational Programs

Specialty	Educational Program	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	–
	Electric Power Distribution Systems Engineering	Bachelor EPP	Master EPP	–
	Energy Management, Electricity Supply and Engineering of Electrotechnical Complexes	–	Master ESP	–
	Engineering of Intelligent Electrotechnical and Mechatronic Complexes	Bachelor EPP	Master EPP	–
	Electric Power Engineering, Electrotechnics, and Electromechanics	–	–	Ph.D. ESP
184 Mining	Geoengineering	Bachelor EPP	Master EPP	Ph.D. ESP

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

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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Official website: vpi.kpi.ua

3. Educational Programs

Specialty	Educational Program	Levels of higher education		
		First	Second	Third
023 Fine Arts, Decorative Arts, Restoration	Fine Arts	Bachelor EPP	Master EPP	–
061 Journalism	Publishing and Editing	Bachelor EPP	Master EPP	–
	Advertising and Public Relations	Bachelor EPP	Master EPP	–
	Social Communications, Journalism	–	–	Ph.D. ESP
133 Industrial Machinery Engineering	Computerized Printing Systems	Bachelor EPP	Master EPP	–
	Engineering and Computer-Integrated Technologies for Designing Innovative Industry Equipment		Master EPP	–
	Industrial Machinery Engineering	–	–	Ph.D. ESP
186 Publishing and Printing	Technologies of Printing and Electronic Editions	Bachelor EPP	Master EPP	–
	Publishing and Printing	–	–	Ph.D. ESP

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

Director of Institute: Dr. of Tech. Sci., Assoc. Prof.,

Yuri M. Sydorenko

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E-mail: imz@kpi.ua

Official website: <http://imz.kpi.ua/en>

3. Educational Programs

Specialty	Educational Program	Levels of higher education		
		First	Second	Third
131 Applied Mechanics	Engineering of Welding, Laser and Related Technologies	Bachelor EPP	Master EPP	–
	Applied Mechanics	–	Master ESP	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	
	Materials Science	–	Master ESP	Ph.D. ESP
136 Metallurgy	Computer-Based Casting Processes	Bachelor EPP	Master EPP	–
	Metallurgy	–	–	Ph.D. ESP

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

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

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

Faculty Dean: Prof., Dr. of Tech. Sci., Evhen M. Pysmennyi

Address: 6, Politechnichna Street, Building No 5, Kyiv, 03056, Ukraine

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E-mail: tef@kpi.ua

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

3. Educational Programs

Specialty	Educational Program	Levels of higher education		
		First	Second	Third
174 Automation, Computer Integrated Technologies and Robotics	Automation and Computer-Integrated Technologies of Cyber-Energy Systems	Bachelor EPP	Master EPP	–
	Automation and Computer Integrated Technologies	–	Master ESP	Ph.D. ESP

142 Power Machinery	Engineering and Computer Technology of Thermal Power Systems	Bachelor EPP	Master EPP	–
	Power Machinery	–	–	Ph.D. ESP
143 Nuclear Power Engineering	Nuclear Power Plants	Bachelor EPP	Master EPP	–
			Master ESP	
	Physical Protection, Accounting, and Control of Nuclear Materials	–	Master EPP	–
	Nuclear Power Engineering	–	–	Ph.D. ESP
144 Thermal Power Engineering	Thermal Power Engineering and Thermal Power Installations of Power Plants	Bachelor EPP	Master EPP	–
			Master ESP	
	Energy Management and Engineering of Thermal Power System	–	Master EPP	–
	Thermal Power Engineering	–	–	Ph.D. ESP
121 Software Engineering	Software Engineering of Intelligent Cyber-Physical Systems in the Energy Industry	Bachelor EPP	Master EPP	–
			Master ESP	
	Software Engineering	–	–	Ph.D. ESP
122 Computer Science	Digital Technologies in Energy Industry	Bachelor EPP	Master EPP	–
	Computer Science		–	Master ESP

*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

Faculty Dean: Prof., Dr. of Tech. Sci., Evhen N. Panov

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Official web site: ihf.kpi.ua/

3. Educational Programs

Specialty	Educational Program	Levels of higher education		
		First	Second	Third
174 Automation, Computer-Integrated Technologies and Robotics	Automation Hardware and Software	Bachelor EPP	Master EPP	–
	Automation and Computer-Integrated Technologies	–	Master ESP	Ph.D. ESP

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

*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.

2. Contact information

Faculty Dean: Prof., Dr. of Tech. Sci., Olga V. Liniucheva

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

3. Educational Programs

Specialty	Educational Program	Levels of higher education		
		First	Second	Third
161 Chemical Technologies and Engineering	Chemical Technology of Organic Substances	Bachelor EPP	–	–
	Chemical Technology of Synthesis, and Physical and Chemical Properties of Organic Materials	–	Master EPP	–
	Chemical Technology of Inorganic Substances and Water Treatment	Bachelor EPP	–	–
	Chemical Technologies of Inorganic, Electrode Materials and Water Treatment	–	Master EPP	–
	Electrochemical Technologies of Organic and Inorganic Substances	Bachelor EPP	–	–
	Chemical Technology of Inorganic Binders, Ceramic, Glass, and Polymeric and Composite Materials	Bachelor EPP	Master EPP	–
	Chemical Technologies of Cosmetic Products and Food Additives	Bachelor EPP		–
	Chemical Technologies and Engineering	–	Master ESP	Ph.D. ESP

*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

Faculty Dean: Prof., Dr. of Tech. Sci.,
Oleksandr S. Yandulskyi

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03056, Ukraine

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Official website: fea.kpi.ua

3. Educational Programs

Specialty	Educational Program	Levels of higher education		
		First	Second	Third
141 Electric Power Engineering, Electrotechnics, and Electromechanics	Electrical Machines and Apparatus	Bachelor EPP	Master EPP	–
	Control, Protection, and Automation of Electric Power Systems	Bachelor EPP	Master EPP	–
	Electromechanical Automation Systems, Electrical Drive, and Electromobility	Bachelor EPP	Master EPP	–
	Electrical Systems and Networks	Bachelor EPP	Master EPP	–
	Power Plants	Bachelor EPP	Master EPP	–
	Alternative and Renewable Sources of Energy	Bachelor EPP	Master EPP	–
	Electrotechnical Devices and Electrotechnological Complexes	Bachelor EPP	Master EPP	–
	Electric Power Engineering and Electromechanics	–	Master ESP	–
	Electric Power Engineering, Electrotechnics, and Electromechanics	–	–	Ph.D. ESP

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

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E-mail: fiot@kpi.ua

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

3. Educational Programs

Specialty	Educational Program	Levels of higher education		
		First	Second	Third
121 Software Engineering	Computer Systems Software Engineering	Bachelor EPP	Master EPP	–
	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	–
	Dataware of Robotic Systems	Bachelor EPP	Master EPP	–
	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 modelling 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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E-mail: mmif@kpi.ua

Official website: fbmi.kpi.ua

3. Educational Programs

Specialty	Educational Program	Levels of higher education		
		First	Second	Third
163 Biomedical engineering	Medical engineering	Bachelor EPP	Master EPP	–
	Engineering in Biosafety and Biosecurity	–	Master ESP	–
	Regenerative and Biopharmaceutical Engineering	Bachelor EPP	Master EPP	–
	Biomedical engineering	–	–	Ph.D. ESP
122 Computer science	Computer Technologies in Biology and Medicine	Bachelor EPP	Master EPP	–
	Computer science	–	Master ESP	Ph.D. ESP
227 Physical Therapy, Ergotherapy	Physical Therapy	–	Master EPP	–
	Physical Therapy, Ergotherapy	Bachelor EPP	–	Ph.D. ESP
091 Biology and Biochemistry	Applied Biology	–	–	Ph.D. ESP

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

*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 modelling, 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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E-mail: fmf@kpi.ua

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

3. Educational Programs

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

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

18. FACULTY OF RADIO ENGINEERING (FRE)

1. General description of specialists

The Radio Engineering Faculty is dedicated to cultivating proficient professionals with the ability to excel across all phases of the design and production of contemporary electronic devices and systems. These skilled individuals are proficient in various areas, including: 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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Official website: rtf.kpi.ua

3. Educational Programs

Specialty	Educational Program	Levels of higher education		
		First	Second	Third
172 Electronic Communications and Radio Engineering	Radio Electronic Engineering	–	Master ESP	–
	Radio Technical Computerised Systems	Bachelor EPP	Master EPP	–
	Information and Communication Radio Engineering	Bachelor EPP	Master EPP	–
	Intelligent Technologies of Microsystem Electronic Equipment	Bachelor EPP	Master ESP	–
	Telecommunications and Radio Engineering	–	–	PhD ESP

*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
176 Micro and Nanosystem Engineering	Micro- and Nanoelectronics	Bachelor <i>EPP</i>	Master <i>EPP</i>	–

176 Micro and Nanosystem Engineering	Electronic Micro- and Nanosystem and Technologies	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
	Micro and Nanosystem Engineering	–	Master <i>ESP</i>	PhD <i>ESP</i>
171 Electronics	Electronic Components and Systems	Bachelor <i>EPP</i>	–	–
	Electronic Devices and Equipment	Bachelor <i>EPP</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>	–
	Electronic Systems of Multimedia and Internet of Things Technology	Bachelor <i>EPP</i>	Master <i>EPP</i>	–
	Electronics	–	Master <i>ESP</i>	Ph.D. <i>ESP</i>
172 Electronic Communications and Radio Engineering	Information-Computing Means for Radio Electronic Systems	Bachelor <i>EPP</i>	Master <i>EPP</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	Levels of higher education		
		First	Second	Third
151 Automation, Computer- Integrated Technologies and Robotics	Computer Integrated Systems and Technologies in Instrument Making	Bachelor EPP	Master EPP	–
	Automation and Computer Integrated Technologies	–	Master ESP	Ph.D. ESP
152 Information- Measuring Technologies	Information-Measuring Technologies	Bachelor EPP	Master EPP	–
	Metrology and Information-Measuring Technology	–	–	Ph.D. ESP

Comment: EPP – Educational-Professional Program

ESP – Educational-Scientific Program

21. FACULTY OF MANAGEMENT AND MARKETING (FMM)

1. General description of specialists

The faculty prepare professionals who are in demand in the contemporary national and international business landscape. It aims to cultivate leaders with a sound economic education, capable of meeting the needs of the ever-evolving global market. The faculty's core focus lies in the training of highly skilled specialists in the fields of management, economics, and business, empowering them to make informed decisions across various critical domains, including personnel management, production control, marketing strategies, and foreign trade activities. These competencies are instrumental in ensuring the efficient functioning of the economy.

Upon successful completion of their studies, FMF graduates attain prestigious professional titles such as economist, economic advisor, manager, expert, supervisor, inspector, and consultant. These designations underscore the comprehensive and versatile skill set they acquire during their academic journey, positioning them to excel in diverse roles within the economic and business sectors.

2. Contact information

Faculty Dean:

Prof., Dr. of Econ. Sci., Maria O. Kravchenko

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3. Educational Programs

Specialty	Educational Program	Levels of higher education		
		First	Second	Third
051 Economics	International Economics	Bachelor EPP	Master EPP	–
	Economic Analytics	Bachelor EPP	Master EPP	–
	Economic and Business	Bachelor EPP	Master EPP	–
	Economics	–	–	Ph.D. ESP
073 Management	Business Management, Innovation and Entrepreneurship	Bachelor EPP	–	–
	Logistics	Bachelor EPP	Master EPP	–
	Management and Business Administration	Bachelor EPP	Master EPP	–
	Management of International Business	Bachelor EPP	Master EPP	–
	Management	–	–	Ph.D. ESP
075 Marketing	Industrial Marketing	Bachelor EPP	Master EPP	–
	Marketing	–	–	Ph.D. ESP

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

22. FACULTY OF BIOTECHNOLOGY AND BIOENGINEERING (FBB)

1. General description of specialists

The Faculty offers comprehensive training for highly skilled specialists specializing in cutting-edge sectors of biotechnology. These sectors include microbial synthesis of biologically active compounds, immunobiotechnology, genetic engineering biotechnology, biotechnology of pharmaceutical drugs, ecobiotechnology, bioenergetics, biodegradation of wastes, extraction of valuable substances from biomass and wastes, biotesting of pollutants, engineering support for biotechnological and pharmaceutical productions, as well as molecular biotechnology and bioinformatics.

Upon graduation, students from the Faculty possess the proficiency to develop and implement state-of-the-art technological processes, design equipment for biotechnological and pharmaceutical productions, and effectively monitor and safeguard the environment from anthropogenic impacts using rigorous scientific methods. Moreover, they gain expertise in simulating biotechnological processes to ascertain optimal conditions for biosynthesis and biodestruction of wastes. Additionally, they excel in optimizing damaged ecosystems through the extensive application of advanced mathematical methods and computer technologies.

The graduates' knowledge and skillset are highly relevant in addressing contemporary challenges in biotechnology, playing a crucial role in driving innovation and sustainability in this rapidly evolving field. As they enter the workforce, these capable specialists are poised to contribute significantly to the advancement of biotechnological practices and the development of groundbreaking solutions to complex environmental and health-related issues.

2. Contact information

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

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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 and Biochemistry	Applied Biology	–	–	PhD <i>OHП</i>
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	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 their studies, students delve into fundamental and professionally-oriented disciplines in the field of philology and translation, acquiring practical experience in facilitating intercultural communication between representatives of their native culture and obligatory the cultures of two languages. The curriculum also encompasses pedagogical subjects, providing graduates with the opportunity to teach foreign languages in secondary and higher education institutions.

The Faculty prepares highly qualified professional translators who excel in various sectors of Ukraine's economy and business. Graduates of the Faculty become not only highly skilled translators but also instructors of foreign languages, both at Igor Sikorsky Kyiv Polytechnic Institute and other organizations.

2. Contact information

Faculty Dean: Prof., Ph.D. in Pedagogics,
Natalia S. Saenko

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Kyiv, 03056, Ukraine

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E-mail: fl@kpi.ua

Official website: fl.kpi.ua

3. Educational Programs

Specialty	Educational Program	Levels of higher education		
		First	Second	Third
011 Educational and Pedagogical Sciences	Contemporary Scientific Educational Studies	–	–	PhD ESP
035 Philology	Germanic Languages and Literatures (Including Translation), Primary – English	Bachelor EPP	Master EPP	–
	Germanic Languages and Literatures (Including Translation), Primary – German	Bachelor EPP	Master EPP	–
	Romantic Languages and Literatures (Including Translation), Primary – French	Bachelor EPP	Master EPP	–
	Philology	–	–	PhD ESP

*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 the fields of management, social work, and law. Professionals in administrative management and social work engage in labour planning, organization, data collection, and analysis, researching social structures, levels, and forms of human life in diverse sociocultural, regional, and national contexts. They provide social services and protection to the population, offering qualified assistance to various social, age, ethnic groups, and individuals. These specialists work in social planning and social policy in organizations and institutions of all ownership forms, as well as in non-governmental organizations.

Law students receive comprehensive knowledge in criminal, administrative, civil, labour, commercial, environmental, financial, and international law, as well as intellectual property law, notarial practice, and arbitration procedures. Upon graduation, they successfully pursue careers in law enforcement agencies, governmental bodies, legal services, banking institutions, and legal departments of state and commercial establishments.

2. Contact information

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3. Educational Programs

Specialty	Educational Program	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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