

**MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE
NATIONAL TECHNICAL UNIVERSITY OF UKRAINE
“IGOR SIKORSKY KYIV POLYTECHNIC INSTITUTE”**

APPROVED

Academic Council of NTUU “Igor
Sikorsky Kyiv Polytechnic Institute”
(meeting protocol № 3 from
15/03/2021

Chairman of the Academic Council
_____ Mykhaylo ILCHENKO

INTERNATIONAL ECONOMICS

EDUCATIONAL PROFESSIONAL PROGRAM

First (bachelor's) level of higher education

in specialty	051 Economics
Areas of knowledge	05 Social and behavioral sciences
Qualification	Bachelor

Entered into force by Order of the
Rector
of NTUU “Igor Sikorsky Kyiv
Polytechnic Institute”
from 19/04/2021 2021 № 404/89/2021

DEVELOPED by the project team:

Project team leader:

Kukharuk Anna, Ph.D., associate professor, Department of International Economics

Project team members:

Gaidutskiy Ivan, Doctor of Economic Sciences, associate professor, Department of International Economics

Hlushchenko Yaroslava, Ph.D., associate professor, Department of International Economics

Skorobogatova Natalia, Ph.D., associate professor, Department of International Economics

The Department of International Economics is responsible for the training of higher education students in the educational program

AGREED:

Scientific and Methodical Council of Speciality 051 "Economics" Igor Sikorsky Kyiv Polytechnic Institute

Head of the Scientific and Methodical Council of 051 Speciality

_____ Serhii Voitko

(meeting protocol № 2 from «22» 12/ 2021 p.)

Methodical Council Igor Sikorsky Kyiv Polytechnic Institute

Head of Methodical Council _____ Yuri Yakimenko

(meeting protocol № 6 from «25»/02/ 2021 p.)

INCLUDED:

The following were involved in the work on the Educational Program:

Eugene, NOVAKIVSKY, Technical Director
LLC "Center for Resource Efficient Production"

Khmilevska Anastasia Alexandrovna, applicant for higher education,
the first (bachelor's) level of higher education

Zrobok Oleksiy Olehovych, a graduate of higher education,
the first (bachelor's) level of higher education

CONTENT

1. EDUCATIONAL PROGRAM PROFILE	4
2. EDUCATIONAL PROGRAM COMPONENTS LIST	12
3. EDUCATIONAL PROGRAM STRUCTURAL AND LOGICAL SCHEME	15
4. GRADUATE CERTIFICATION FORM OF HIGHER EDUCATION APPLICANTS	16
5. CONFORMITY MATRIX OF SOFTWARE COMPETENCIES TO THE COMPONENTS OF THE EDUCATIONAL PROGRAM	17
6. MATRIX OF PROVIDING PROGRAM LEARNING RESULTS BY RELEVANT COMPONENTS OF THE EDUCATIONAL PROGRAM	20

1. Educational program profile, specialty Economics 051

1 – General information

Full name of the Higher Education Institution and the institute / faculty	National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", Department of International Economics
Higher education degree and title of qualification in the original language	Educational degree – Bachelor Educational qualification – Bachelor of Economics in OPP "International Economics"
EP official name	International Economics
Diploma type and EP scope	Bachelor's degree, unitary, 240 ECTS credits, study period 3 years 10 months
Accreditation availability	Certificate of accreditation of the specialty ND 1192537, valid til 01.07.2025
Program cycle / level	HPK of Ukraine – 6 level QF-EHEA – first cycle EQF-LLL – 6 level
Prerequisites	Completed general secondary education
Teaching language	Ukrainian, English
EP validity	Until 01.07.2025
Permanent placement of the educational program	http://ied.kpi.ua/uk/archives_/Навчання_/Освітні програми та навчальні плани
Internet address	https://osvita.kpi.ua/Освітні програми

2 – Educational program purpose

Training of specialists in the economics who have modern thinking, theoretical knowledge and practical skills needed to solve the problems of the subject area; able to identify problems in the international economic system functioning as a whole and make informed management decisions regarding specific subjects of international economic relations; as well as able to comprehensively and systematically analyze, provide and conduct intercultural communication, aware of the nature of environmental processes and phenomena, to form a high adaptability in the labor market transformation through interaction with employers and other stakeholders.

3 – Characteristics of the educational program

Subject area	<p><i>Object of study and / or activity:</i> patterns of functioning and development of the socio-economic systems and processes, their modeling, forecasting and regulation, motivation and behavior of economic entities.</p> <p><i>Educational objectives:</i> to train specialists who have modern economic thinking, theoretical knowledge and practical skills needed to solve the problems in this subject area</p> <p><i>Theoretical content of the subject area:</i> definition, categories, concepts, principles of economic sciences.</p> <p><i>Methods, techniques and technologies:</i> general scientific methods of cognition and research, mathematical and statistical methods of economic analysis, economic and mathematical modeling, information and communication technologies of research, dissemination and presentation of research results.</p> <p><i>Tools and equipment:</i> modern information and communication equipment, information systems and software products used in professional activities.</p>
EP Orientation	Educational and professional
EP main focus	Special education in the "Social and Behavioral Sciences" in the specialty 051 "Economics". Key words: world market, international economy, international economic system, international economic relations, subjects of international business, management decision-making, management efficiency, international economic activity, world economy, transnational corporations, international organizations.

EP features	<p>Thorough fundamental training in combination with modern professional training, which allows to carry out innovative activities and work with leading institutions in the field of international economic relations, as well as the implementation of the program involves the involvement of practitioners, industry experts, employers. It is planned to pass an internship, pass a comprehensive final exam in the specialty and defend the qualification (diploma) work of a bachelor.</p>
Suitability for employment	<p>4 – Suitability of graduates for employment and further study</p> <p>Graduates can work at enterprises of any organizational and legal form in positions (according to the classifier of professions of Ukraine DK 003: 2010):</p> <p>2419.2 Professionals in the field of marketing, business efficiency, production rationalization, intellectual property. Entrepreneurship efficiency specialist;</p> <p style="padding-left: 40px;">Product rationalization specialist;</p> <p style="padding-left: 40px;">Public Procurement Specialist;</p> <p style="padding-left: 40px;">Specialist in the market expanding methods;</p> <p style="padding-left: 40px;">Specialist in standardization, certification and quality;</p> <p style="padding-left: 40px;">Commodity market research analyst;</p> <p style="padding-left: 40px;">Expert in foreign economic issues;</p> <p style="padding-left: 40px;">Production management engineer;</p> <p style="padding-left: 40px;">Consultant on foreign economic issues.</p> <p>Jobs in domestic and international companies in various sectors of the economy; in public authorities and local governments; international organizations; international consulting and auditing companies.</p>
Further training	<p>Further education at the second (master's) level of higher education and / or acquisition of additional qualifications in the system of postgraduate education.</p>
Teaching and learning	<p style="text-align: center;">5 –Teaching and assessment</p> <p>General learning style - task-oriented. Teaching is carried out in the form of: lectures, practical classes, computer workshops, independent work with the possibility of consulting with the teacher, term papers, individual tasks, practice, application of information and communication technologies (e-learning, online lectures, distance learning courses) educational components, performance of qualification work. All educational process participants are provided with timely and understandable information on the goals, content and program learning outcomes, the procedure and evaluation criteria.</p>
Assessment	<p>Current and semester control and qualification work defense are assessed in accordance with the defined criteria of the Rating system.</p>
Integral competence	<p style="text-align: center;">6 – Program competencies</p> <p>The ability to solve complex specialized and practical problems in the economic sphere, which are characterized by complexity and uncertainty of the conditions and imply application of theories and methods of economics.</p> <p style="text-align: center;">General competencies (3K)</p> <p>3K 1 The ability to realize rights and responsibilities as a member of society, the values of civil (democratic) society and the need for its sustainable development, the rule of law, human and civil rights and freedoms in Ukraine.</p> <p>3K 2 The ability to preserve moral, cultural, scientific values and multiply the achievements of society on the basis of understanding of history and patterns of development of the subject area, its place in the general system of knowledge about nature and society and in the development of society and technology using different types and forms of motor activity for active rest and healthy lifestyle.</p> <p>3K 3 The ability to think abstractly, to analyze and to synthesize.</p> <p>3K 4 The ability to apply knowledge in practical problems.</p> <p>3K 5 Ability to communicate in the official language both verbally and in writing.</p> <p>3K 6 Ability to communicate in foreign language.</p> <p>3K 7 Skills of using information and communication technologies.</p> <p>3K 8 The ability to search, process and analyze information from different sources.</p>

- 3K 9 The ability to adapt and act in a new situation.
- 3K 10 The ability to be critical and self-critical.
- 3K 11 The ability to make informed decisions.
- 3K 12 Interpersonal skills.
- 3K 13 The ability to act socially and consciously.

Professional competencies (ФК)

- ФК 1 The ability to identify knowledge and understanding of the problems of the subject area, the foundations of the functioning of the modern economy at the micro, meso, macro and international levels.
- ФК 2 The ability to carry out professional activity in accordance with current normative and legal acts.
- ФК 3 Understanding the features of leading scientific schools and areas of economics.
- ФК 4 The ability to explain economic and social processes and phenomena on the basis of theoretical models, analyze and comprehensively interpret the obtained results.
- ФК 5 Understanding the features of the modern world and national economy, their institutional structure, substantiation of directions of social, economic and foreign economic policy.
- ФК 6 The ability to apply economic and mathematical methods and models for solving economic problems.
- ФК 7 The ability to apply computer technology and data processing software to solve economic problems and analyze information and prepare analytical reports.
- ФК 8 The ability to analyze and solve tasks in the field of economic and socio-labor relations.
- ФК 9 The ability to predict socio-economic processes on the basis of standard theoretical and econometric models.
- ФК 10 The ability to use modern sources of economic, social, managerial, accounting information for drawing up of official documents and analytical reports.
- ФК 11 The ability to substantiate economic decisions on the basis of understanding the regularities of economic systems and processes and using modern methodological tools.
- ФК 12 The ability to independently identify problems of economic nature while analyzing specific situations, suggest means to solve them.
- ФК 13 The ability to conduct an economic analysis of the functioning and development of economic entities, assess their competitiveness.
- ФК 14 The ability to in-depth analyze issues and phenomena in one or more professional fields, taking into account economic risks and possible socio-economic consequences.
- ФК 15 *Ability to have a holistic system of knowledge about the essence of economic processes occurring in the international insurance market.***
- ФК 16 *Ability to summarize information about the latest phenomena and processes occurring in the international economic system, and justify the strategies of its actors in the global environment.***

7 – Program learning outcomes (ПРП)

- ПРП 1 To associate oneself as a member of the civil society, the scientific community, to recognize the rule of law, in particular in professional activities, to understand and be able to use their own rights and freedoms, to show respect for the rights and freedoms of other persons, in particular, members of the collective.
- ПРП 2 To reproduce moral, cultural, scientific values, multiply the achievements of society in the socioeconomic sphere, and promote healthy lifestyles.
- ПРП 3 To know and use economic terminology, explain the basic concepts of micro- and macroeconomics.
- ПРП 4 To understand the principles of economics, especially the functioning of economic systems.
- ПРП 5 To apply analytical and methodical tools for substantiating proposals and making managerial decisions by various economic agents (individuals, households, enterprises and government authorities).
- ПРП 6 To use professional arguments to transmit information, ideas, problems and ways of their solving to professionals and non-professionals in the field of economic activity.

- ППП 7 To explain the models of socio-economic phenomena from the point of view of fundamental principles and knowledge on the basis of understanding the basic directions of the development of economics.
- ППП 8 To apply appropriate economic and mathematical methods and models for solving economic problems.
- ППП 9 To realize the main features of the modern world and national economy, the institutional structure, directions of social, economic and foreign economic policy of the state.
- ППП 10 To analyze the functioning and development of economic entities, to identify functional areas, to calculate the relevant indicators that characterize the performance of their activities.
- ППП 11 To be able to analyze the processes of government authorities and market regulation of socio-economic and labor relations.
- ППП 12 To apply the acquired theoretical knowledge to solve practical problems and interpret the obtained results in a meaningful way.
- ППП 13 To identify sources and understand the methodology of determination and methods for obtaining socioeconomic data, collect and analyze the necessary information, calculate economic and social indicators.
- ППП 14 To identify and plan personal career development opportunities.
- ППП 15 To demonstrate the basic skills of creative and critical thinking in research and professional communication.
- ППП 16 To be able to use data, provide argumentation, critically evaluate logic and draw conclusions from scientific and analytical texts on economics.
- ППП 17 To perform multidisciplinary analysis of socioeconomic phenomena and problems in one or more professional fields, taking into account risks and possible socio-economic consequences.
- ППП 18 To use normative and legal acts regulating professional activities.
- ППП 19 To use information and communication technologies to solve socio-economic problems, prepare and present analytical reports.
- ППП 20 To master the skills of oral and written professional communication in official and foreign languages.
- ППП 21 To be able to think abstractly, apply analysis and synthesis to identify the key characteristics of economic systems of various levels, as well as the peculiarities of their subjects' behavior.
- ППП 22 To demonstrate flexibility and adaptability in new situations, in working with new objects and in uncertain conditions.
- ППП 23 To show skills of independent work, demonstrate critical, creative, self-critical thinking.
- ППП 24 To demonstrate the ability to act socially and consciously on the basis of ethical principles, to appreciate and respect cultural diversity, individual differences of people.
- ППП 25 Determine the influence of factors and analyze changes in the country's international monetary policy; to organize the functional support of foreign trade agreements involving the necessary foreign exchange transactions.
- ППП 26 Calculate the parity ratio of exchange rates, cross-rates, forward rates.
- ППП 27 To form the mission and strategic goals of the enterprise.
- ППП 28 Develop systems for monitoring the strategic activities of the enterprise.
- ППП 29 Identify and understand the causal links between economic phenomena and processes in the professional field, identify and assess the factors of influence.
- ППП 30 Determine the performance of export and import operations.
- ППП 31 Carry out financial planning of the enterprise.
- ППП 32 Carry out a comparative description of insurance products and choose the appropriate ones.

8 - Resource support for the implementation of the program

Staffing According to the personnel requirements for ensuring the implementation of educational activities for the relevant level of HE, approved by the Resolution of the Cabinet of Ministers of Ukraine dated 30.12.2015 № 1187 as amended in

Material and technical support	<p>accordance with the Resolution of the Cabinet of Ministers of Ukraine №347 dated 10.05.2018.</p> <p>According to the technological requirements for the material and technical support of educational activities of the corresponding level of Higher Education, approved by the Resolution of the Cabinet of Ministers of Ukraine dated 30.12.2015 № 1187 as amended in accordance with the Resolution of the Cabinet of Ministers of Ukraine № 347 dated 10.05.2018.</p> <p>Use of equipment for lectures in the format of presentations, network technologies, in particular on the distance learning platform Sikorsky, demonstration industry equipment during laboratory workshops.</p>
Information, educational and methodological support	<p>According to the technological requirements for educational, methodological and informational support of educational activities of the corresponding level of Higher Education approved by the Resolution of the Cabinet of Ministers of Ukraine dated 30.12.2015 № 1187 as amended in accordance with the Resolution of the Cabinet of Ministers of Ukraine № 347 dated 10.05.2018.</p> <p>Use of the Scientific and Technical Library of the National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute".</p>
9 - Academic mobility	
National credit mobility International credit mobility	<p>The opportunity for concluding relevant agreements Erasmus +, Eurasia</p>
Training for foreign applicants of HE	<p>Teaching with the condition of proficiency in the Ukrainian language - teaching in general groups, or in separate groups with teaching in English</p>

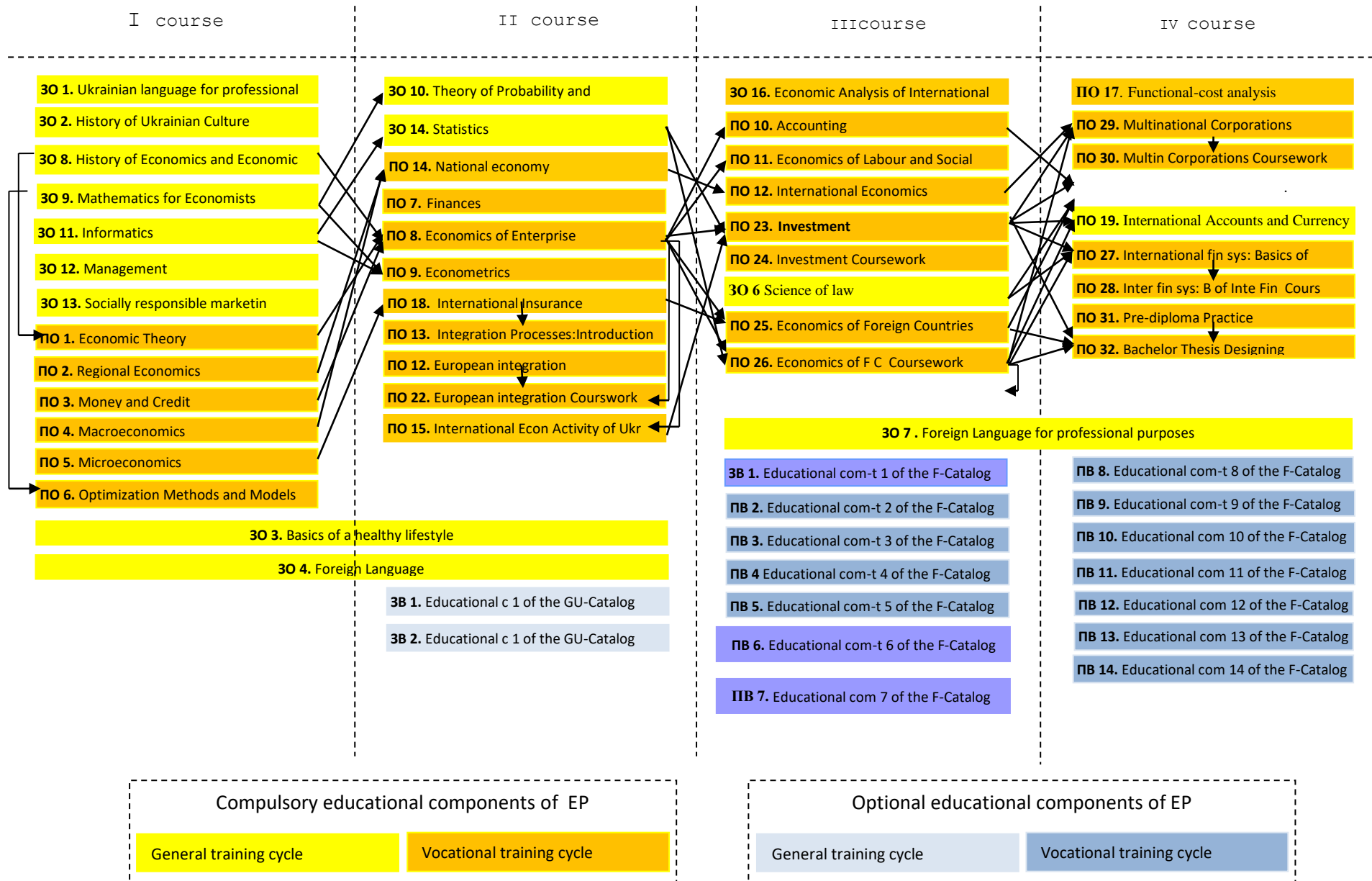
2. 2. COMPONENTS LIST OF THE EDUCATIONAL PROGRAM

Code	Components of the educational program (disciplines, course projects / works, practice, qualification work)	Number of ECTS credits	Form of final control
1. Compulsory educational components			
1.1. General training cycle			
30 1	Ukrainian language for professional purposes	2	Test
30 2	History of Ukrainian Culture	2	Test
30 3	Basics of a healthy lifestyle	3	Test
30 4	Foreign Language	6	Test
30 5	Philosophy	2	Test
30 6	Science of law	2	Test
30 7	Foreign Language for professional purposes	6	Exam
30 8	History of Economics and Economic Concept	4,5	Exam
30 9	Mathematics for Economists	7,5	Exam
30 10	Theory of Probability and Mathematical Statistics	5	Exam
30 11	Informatics	6	Test
30 12	Management	3,5	Test
30 13	Socially responsible marketing	3,5	Test
30 14	Statistics	5	Exam
1.2. Vocational training cycle			
ПО 1	Economic Theory	4,5	Exam
ПО 2	Regional Economics	3,5	Test
ПО 3	Money and Credit	4	Exam
ПО 4	Macroeconomics	4,5	Exam
ПО 5	Microeconomics	4	Test
ПО 6	Optimization Methods and Models	4,5	Exam
ПО 7	Finances	5	Exam
ПО 8	Economics of Enterprise	5	Test
ПО 9	Econometrics	4,5	Test

ПО 10	Accounting	4,5	Exam
ПО 11	Economics of Labour and Social Labour Relations	5	Exam
ПО 12	International Economics	4,5	Exam
ПО 13	Integration Processes:Introduction to Specialty	3	Test
ПО 14	National economy	3	Test
ПО 15	International Economic Activity of Ukraine	4	Exam
ПО 16	Economic Analysis of International Business	4	Exam
ПО 17	Functional-cost analysis	3,5	Test
ПО 18	International Insurance	3,5	Exam
ПО 19	International Accounts and Currency Operations	5	Exam
ПО 20	International economic law	3	Test
ПО 21	European integration	4	Test
ПО 22	European integration Coursework	1	Test
ПО 23	Investment	4	Exam
ПО 24	Investment Coursework	1	Test
ПО 25	Economics of Foreign Countries	4	Exam
ПО 26	Economics of Foreign Countries Coursework	1	Test
ПО 27	International financial system	6,5	Exam
ПО 28	International financial system: Basics of International Finance Coursework	1	Test
ПО 29	Multinational Corporations	4	Exam
ПО 30	Multinational Corporations Coursework	1	Test
ПО 31	Pre-diploma Practice	6	Test
ПО 32	Bachelor Thesis Designing	6	Defence
2. Optional educational components			
2.1. General training cycle (Optional subjects from University catalogue)			
ЗВ 1	Educational component 1 of the GU-Catalog	2	Test
ЗВ 2	Educational component 2 of the GU-Catalog	2	Test
2.2. Vocational training cycle (Optional subjects from Faculty catalogue)			
ПВ 1	Educational component 1 of the F-Catalog	4	Test

ПВ 2	Educational component 2 of the F-Catalog	4	Test
ПВ 3	Educational component 3 of the F-Catalog	4	Test
ПВ 4	Educational component 4 of the F-Catalog	4	Test
ПВ 5	Educational component 5 of the F-Catalog	4	Test
ПВ 6	Educational component 6 of the F-Catalog	4	Test
ПВ 7	Educational component 7 of the F-Catalog	4	Test
ПВ 8	Educational component 8 of the F-Catalog	4	Test
ПВ 9	Educational component 9 of the F-Catalog	4	Test
ПВ 10	Educational component 10 of the F-Catalog	4	Test
ПВ 11	Educational component 11 of the F-Catalog	4	Test
ПВ 12	Educational component 12 of the F-Catalog	4	Test
ПВ 13	Educational component 13 of the F-Catalog	4	Test
ПВ 14	Educational component 14 of the F-Catalog	4	Test
TOTAL IN COMPULSORY educational components:		180	
TOTAL IN SELECTIVE educational components:		60	
TOTAL OF THE EDUCATIONAL PROGRAM		240	

3. STRUCTURAL AND LOGICAL SCHEME OF THE EDUCATIONAL PROGRAM



4. FORMS FOR GRADUATE CERTIFICATION FOR APPLICANTS OF HIGHER EDUCATION

Forms for certification for applicants of higher education	Graduation certification for applicants of higher education under the educational program "International Economics" specialty 051 "Economics" is conducted in the form of public defense of the qualification work. The qualification work is checked for plagiarism and after the defense is placed in the repository of KPI Library for free access. Publication of qualification works containing information with limited access should be carried out in accordance with the requirements of current legislation. Graduation certification ends with the issuance of a standard document on the award of a bachelor's degree with the qualification: Bachelor of Economics for EPP "International Economics".
Requirements for qualification work	The qualification work should involve solving a complex specialized problem or practical problem in the economic field using theories and methods of economics. There can't be academic plagiarism, falsification or writing off in the qualification work.

5. MATRIX OF CONFORMITY A PROGRAM COMPETENCIES TO THE COMPONENTS OF THE EDUCATIONAL PROGRAM

5.1. Compulsory educational components of the EP (general training cycle).

	30 1	30 2	30 3	30 4	30 5	30 6	30 7	30 8	30 9	30 10	30 11	30 12	30 13	30 14
3K 1						+								
3K 2		+	+		+									
3K 3								+						+
3K 4									+					+
3K 5	+													
3K 6				+			+							
3K 7											+			
3K 8									+	+				
3K 9						+								
3K 10								+						
3K 11												+		+
3K 12	+		+				+							
3K 13													+	

5.2. Compulsory educational components of the EP (Vocational training cycle from ПО 1-16).

	ПО 1	ПО 2	ПО 3	ПО 4	ПО 5	ПО 6	ПО 7	ПО 8	ПО 9	ПО 10	ПО 11	ПО 12	ПО 13	ПО 14	ПО 15	ПО 16
ФК 1	+			+	+		+					+	+	+	+	
ФК 2											+				+	
ФК 3	+															
ФК 4	+					+	+	+								
ФК 5				+								+	+	+	+	
ФК 6						+			+							+
ФК 7						+			+							
ФК 8		+								+	+					
ФК 9						+			+							
ФК 10								+		+					+	+
ФК 11													+			+
ФК 12			+										+			
ФК 13			+				+	+							+	+
ФК 14														+	+	
ФК 15																
ФК 16																
ФК 17																
ФК 18																
ФК 19																

5.3. Compulsory educational components of the EP (Vocational training cycle from ПО 17-32).

	ПО 17	ПО 18	ПО 19	ПО 20	ПО 21	ПО 22	ПО 23	ПО 24	ПО 25	ПО 26	ПО 27	ПО 28	ПО 29	ПО 30	ПО 31	ПО 32
ФК 1															+	+
ФК 2				+											+	+
ФК 3									+	+						
ФК 4									+	+						
ФК 5					+	+			+	+					+	+
ФК 6	+															
ФК 7																
ФК 8																
ФК 9															+	+
ФК 10	+		+			+										
ФК 11	+				+	+	+	+								
ФК 12							+	+							+	+
ФК 13	+						+	+			+	+				
ФК 14															+	+
ФК 15		+														
ФК 16											+	+	+	+	+	+
ФК 17																
ФК 18																
ФК 19																

6. MATRIX OF PROVIDING PROGRAM LEARNING RESULTS BY RELEVANT COMPONENTS OF THE EDUCATIONAL PROGRAM

6.1. Compulsory educational components of the EP (general training cycle) .

	30 1	30 2	30 3	30 4	30 5	30 6	30 7	30 8	30 9	30 10	30 11	30 12	30 13	30 14
ПРН 1	+	+	+	+	+	+	+					+	+	+
ПРН 2	+	+	+		+	+	+	+					+	
ПРН 3	+							+	+					+
ПРН 4				+		+	+	+	+					+
ПРН 5	+	+	+	+	+	+	+			+	+			
ПРН 6	+	+	+		+	+		+	+					+
ПРН 7		+	+		+	+			+	+	+			
ПРН 8				+		+	+	+	+					+
ПРН 9				+		+	+	+	+					+
ПРН 10	+	+		+		+	+		+	+	+	+		+
ПРН 11	+	+	+	+		+	+	+	+	+				
ПРН 12	+	+	+		+	+	+	+	+	+		+		+
ПРН 13	+	+				+			+	+	+		+	+
ПРН 14		+	+		+	+		+	+	+		+		+
ПРН 15	+	+	+		+	+		+	+	+	+			
ПРН 16	+		+			+	+	+	+					+

	30 1	30 2	30 3	30 4	30 5	30 6	30 7	30 8	30 9	30 10	30 11	30 12	30 13	30 14
ПРН 17	+	+	+	+	+	+	+		+	+				
ПРН 18	+	+	+		+	+	+							
ПРН 19	+			+		+	+		+	+	+			
ПРН 20	+		+	+		+	+	+	+					
ПРН 21		+				+		+	+	+	+			+
ПРН 22	+	+	+		+	+	+							
ПРН 23		+	+		+			+				+	+	+
ПРН 24	+	+	+		+	+	+	+		+	+	+	+	+
ПРН 25														
ПРН 26														
ПРН 27														
ПРН 28														+
ПРН 29														
ПРН 30														
ПРН 31														+
ПРН 32														

6.2. Compulsory educational components of the EP (Vocational training cycle from ПО 1-16).

	ПО 1	ПО 2	ПО 3	ПО 4	ПО 5	ПО 6	ПО 7	ПО 8	ПО 9	ПО 10	ПО 11	ПО 12	ПО 13	ПО 14	ПО 15	ПО 16
ПРН 1	+			+	+							+	+	+	+	
ПРН 2	+		+			+	+	+					+			+
ПРН 3	+			+	+	+	+	+				+	+	+	+	
ПРН 4	+		+	+	+	+	+	+	+			+	+	+	+	+
ПРН 5			+					+			+		+	+	+	+
ПРН 6	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+
ПРН 7	+			+	+	+	+	+	+			+	+	+	+	+
ПРН 8	+		+			+	+	+	+				+			+
ПРН 9	+	+		+	+	+	+	+				+	+	+	+	
ПРН 10	+			+	+		+	+		+	+	+	+	+	+	+
ПРН 11				+			+	+		+	+	+	+	+	+	+
ПРН 12			+								+		+	+	+	+
ПРН 13	+					+	+	+		+				+	+	+
ПРН 14	+		+	+	+		+					+	+	+	+	
ПРН 15			+										+	+	+	+
ПРН 16	+					+	+	+		+				+	+	+
ПРН 17	+			+	+	+	+	+		+		+	+	+	+	+
ПРН 18								+		+	+			+	+	+
ПРН 19						+		+	+	+					+	+

	ПО 1	ПО 2	ПО 3	ПО 4	ПО 5	ПО 6	ПО 7	ПО 8	ПО 9	ПО 10	ПО 11	ПО 12	ПО 13	ПО 14	ПО 15	ПО 16
ПРН 20				+								+	+	+	+	
ПРН 21	+		+	+	+	+	+	+				+	+	+	+	+
ПРН 22			+				+	+					+	+	+	+
ПРН 23	+		+			+	+	+					+			
ПРН 24				+								+	+	+	+	
ПРН 25							+						+		+	
ПРН 26													+			
ПРН 27																
ПРН 28										+						
ПРН 29							+			+				+	+	
ПРН 30										+					+	
ПРН 31							+								+	
ПРН 32																

6.3. Compulsory educational components of the EP (Vocational training cycle from ПО 17-32).

	ПО 17	ПО 18	ПО 19	ПО 20	ПО 21	ПО 22	ПО 23	ПО 24	ПО 25	ПО 26	ПО 27	ПО 28	ПО 29	ПО 30	ПО 31	ПО 32
ПРН 1					+	+			+	+					+	+
ПРН 2	+				+	+	+	+	+	+						
ПРН 3					+	+			+	+					+	+

	ПО 17	ПО 18	ПО 19	ПО 20	ПО 21	ПО 22	ПО 23	ПО 24	ПО 25	ПО 26	ПО 27	ПО 28	ПО 29	ПО 30	ПО 31	ПО 32
ПРН 4	+				+	+	+	+	+	+	+	+			+	+
ПРН 5	+			+	+	+	+	+					+	+	+	+
ПРН 6	+		+	+	+	+	+	+							+	+
ПРН 7	+				+	+	+	+	+	+	+	+			+	+
ПРН 8	+				+	+	+	+	+	+					+	+
ПРН 9					+	+			+	+					+	+
ПРН 10	+		+	+	+	+	+	+			+	+	+	+	+	+
ПРН 11	+		+		+	+			+	+			+	+	+	+
ПРН 12	+			+	+	+	+	+							+	+
ПРН 13	+		+		+	+	+	+	+	+	+	+				
ПРН 14							+	+							+	+
ПРН 15	+				+	+	+	+							+	+
ПРН 16	+		+		+	+			+	+			+	+		
ПРН 17	+		+		+	+			+	+			+	+	+	+
ПРН 18			+	+	+	+					+	+			+	+
ПРН 19	+		+		+	+										
ПРН 20					+	+			+	+					+	+
ПРН 21	+				+	+	+	+	+	+			+	+	+	+
ПРН 22	+				+	+	+	+			+	+			+	+
ПРН 23					+	+	+	+	+	+	+	+			+	+

	ПО 17	ПО 18	ПО 19	ПО 20	ПО 21	ПО 22	ПО 23	ПО 24	ПО 25	ПО 26	ПО 27	ПО 28	ПО 29	ПО 30	ПО 31	ПО 32
ПРН 24					+	+			+	+			+	+	+	+
ПРН 25			+						+	+	+	+				
ПРН 26			+								+	+				
ПРН 27		+		+	+	+	+	+	+	+						
ПРН 28									+	+						
ПРН 29				+			+	+	+	+	+	+				
ПРН 30				+					+	+	+	+				
ПРН 31							+	+			+	+				
ПРН 32		+		+												