

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 No. 2 dated March 15, 2021)

Chairman of the Academic Council

Mykhaylo ILCHENKO

ECONOMICS OF BUSINESS ENTERPRISE

**EDUCATIONAL AND PROFESSIONAL PROGRAM
of the First (bachelor's) Level of Higher Education**

Specialty	051 Economics
Field of knowledge	05 Social and behavioral sciences
Qualification	Bachelor of Economics

Entered into force
by Order of the Rector
of Igor Sikorsky Kyiv Polytechnic Institute
dated April 19, 2021, No. HOH/89/2021

PREAMBLE

DEVELOPED by the group consisting of:

Head of the group:

Nataliia KUZMINSKA, Candidate of Economic Sciences,
Associate Professor of the Department of Economics and Business

Members of the group:

Vasyl MARTYSENKO, Doctor of Economic Sciences, Professor at the Department of Economics and Business

Valentyna MARCHENKO, Doctor of Economic Sciences, Professor at the Department of Economics and Business

The Department of Economics and Business is responsible for training the students of higher education according to the present educational program.

APPROVED BY:

Scientific and methodical commission of Igor Sikorsky Kyiv Polytechnic Institute in specialty 051 Economics

(meeting protocol № 2 dated December 22, 2021)

Chairman of the Scientific and methodical commission in specialty 051 Economics
Serhii VOITKO

Methodical Council of Igor Sikorsky Kyiv Polytechnic Institute

(meeting protocol № 6 dated February 25, 2021)

Chairman of Methodical Council
Yurii YAKYMENKO

INCLUDED:

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

Svitlana SOKHATYUK, CEO of LLC "Kyiv Regional Energy Supply Company"

Andriy VASYANOVYCH, the applicant for higher education,
the first (bachelor's) level of higher education

Olexander SOLOSICH, the applicant of higher education,
the second (master's) level of higher education

Feedback reviews of stakeholders are attached.

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1. DESCRIPTION OF THE EDUCATIONAL PROGRAM

in the specialty Economics 051

1 – General information	
Full title of higher educational institution and institution/faculty	National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”, Faculty of Management and Marketing
The degree of higher education and the title of the qualification	Degree of higher education - Bachelor Qualification - Bachelor of Economics in EPP «Economics of bussines enterprise»
The official title of the educational program	Economics of bussines enterprise
Type of diploma and scope of the educational program	Bachelor's degree, unitary, 240 credits, the term of study - 3 years 10 months
Availability of accreditation	Certificate of accreditation of the specialty ND 1192537, valid til 01.07.2025
Program cycle / level	The level of the national qualifications framework of Ukraine - 7 level, FQ-EHEA - first cycle, EQF-LLL - 6 level
Prerequisites	Full secondary education
Teaching language	Ukrainian
The duration of the educational program	Until 01.07.2025
Internet address of the permanent placement of the educational program	http://keip.kpi.ua https://osvita.kpi.ua
2 – The purpose of the educational program	
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. Promoting the formation of the society of the future on the basis of the concept of sustainable development through the internationalization and integration of education, educational research and innovative developments.	
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>

Orientation of the educational program	Educational and professional
The main focus of the educational program	<p>The program is based on well-known scientific principles, modern theories and patterns of development of economic systems and economic processes, focuses on current specializations in which further professional and scientific career is possible: organization of a business enterprise, planning its activities, economic evaluation of management and design decisions , financial and economic security of business, economic management of enterprise property, economic and statistical analysis of activity.</p> <p>Keywords: economic theory, macroeconomics, microeconomics, enterprise economics, labor economics, national economy, economic analysis</p>
Peculiarities of the educational program	Implementation of the program involves the involvement of classroom practitioners, industry experts, employers.
4 – Eligibility of graduates for employment and further training	
Eligibility for employment	<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>3411 Specialist in financial and economic security 3411 Asset Management Specialist 3434 Assistant Economist-Statistics 3152 Economic Auditor 3435.2 Organizers of office work (types of economic activity) 3415 Commercial agent</p> <p>According to the International Standard Classification of Occupations 2008, graduates can work in positions that correspond to groups</p> <p>12 Administrative and commercial managers 121 Business services and administration managers 33 Business and administration associate professionals 332 Sales and purchasing agents and brokers 333 Business services agents</p>
Further training	Continuation of education at the second (master's) level of higher education, as well as the opportunity to improve qualifications and receive additional postgraduate education.
5 – Teaching and assessment	
Teaching and studying	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.
Assessment	Current and semester control and qualification work defense are assessed in accordance with the defined criteria of the Rating system.
6 – Program competencies	
Integral competency	The ability to solve complex specialized problems and practical problems in the field economic, which are characterized by complexity and uncertainty of the conditions and imply application of theories and methods of economics.
General competencies (GC)	
GC 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.

GC 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.
GC 3	The ability to think abstractly, to analyze and to synthesize.
GC 4	The ability to apply knowledge in practical problems.
GC 5	Ability to communicate in the official language both verbally and in writing.
GC 6	Ability to communicate in foreign language.
GC 7	Skills of using information and communication technologies.
GC 8	The ability to search, process and analyze information from different sources.
GC 9	The ability to adapt and act in a new situation.
GC 10	The ability to be critical and self-critical.
GC 11	The ability to make informed decisions.
GC 12	Interpersonal skills.
GC 13	The ability to act socially and consciously.
GC 14	The ability to use different types, forms and means of physical education, sports and physical activity for professional activities, active recreation and leading a healthy lifestyle.
GC 15	The ability to understand and analyze the essence of philosophical problems, topics, ideas.
GC 16	The ability to understand philosophy as a worldview of man, or a set of views on the world as a whole and man's attitude to this world in understanding the ontological, epistemological, axiological and social problems of existence.
Professional competencies (PC)	
PC 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.
PC 2	The ability to carry out professional activity in accordance with current normative and legal acts.
PC 3	Understanding the features of leading scientific schools and areas of economics.
PC 4	The ability to explain economic and social processes and phenomena on the basis of theoretical models, analyze and comprehensively interpret the obtained results.
PC 5	Understanding the features of the modern world and national economy, their institutional structure, substantiation of directions of social, economic and foreign economic policy.
PC 6	The ability to apply economic and mathematical methods and models for solving economic problems.
PC 7	The ability to apply computer technology and data processing software to solve economic problems and analyze information and prepare analytical reports.
PC 8	The ability to analyze and solve tasks in the field of economic and socio-labor relations.
PC 9	The ability to predict socio-economic processes on the basis of standard theoretical and econometric models.
PC 10	The ability to use modern sources of economic, social, managerial, accounting information for drawing up of official documents and analytical reports.
PC 11	The ability to substantiate economic decisions on the basis of understanding the regularities of economic systems and processes and using modern methodological tools.
PC 12	The ability to independently identify problems of economic nature while analyzing specific situations, suggest means to solve them.

PC 13	The ability to conduct an economic analysis of the functioning and development of economic entities, assess their competitiveness.
PC 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.
PC 15	The ability to forecast, develop scenarios for the development of the national economy.
PC 16	The ability to use project analysis tools in the project management system.
PC 17	The ability to plan, organize and manage resources in order to successfully achieve the goals and complete the objectives of the project.
PC 18	The ability to organize and conduct research using methodological tools and modern information technology.
PC 19	The ability to economic analysis of economic activity of the enterprise.
PC 20	The ability to search and generate new ideas using creative technologies, the ability to analyze the results of research and justify the economic efficiency of research.
PC 21	Ability to determine the amount of different types of taxes depending on the specifics of the enterprise; to determine the impact of taxation on the efficiency of individuals and legal entities of economic entities; to analyze the impact of taxes on the development of the national economy.
PC 22	The ability to develop a set of recommendations for overcoming social disparities in the modern economy; to the development of social responsibility programs and planning the creation of social enterprises for the formation of social incentives in the process of implementing the mechanism of social coordination.
PC 23	The ability to monitor and evaluate the effects of the implementation of social measures by the state, business, civil society institutions.
7 – Program outcomes of studying	
POS 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.
POS 2	To reproduce moral, cultural, scientific values, multiply the achievements of society in the socioeconomic sphere, and promote healthy lifestyles.
POS 3	To know and use economic terminology, explain the basic concepts of micro- and macroeconomics.
POS 4	To understand the principles of economics, especially the functioning of economic systems.
POS 5	To apply analytical and methodical tools for substantiating proposals and making managerial decisions by various economic agents (individuals, households, enterprises and government authorities).
POS 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.
POS 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.
POS 8	To apply appropriate economic and mathematical methods and models for solving economic problems.
POS 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.
POS 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.

POS 11	To be able to analyze the processes of government authorities and market regulation of socio-economic and labor relations.
POS 12	To apply the acquired theoretical knowledge to solve practical problems and interpret the obtained results in a meaningful way.
POS 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.
POS 14	To identify and plan personal career development opportunities.
POS 15	To demonstrate the basic skills of creative and critical thinking in research and professional communication.
POS 16	To be able to use data, provide argumentation, critically evaluate logic and draw conclusions from scientific and analytical texts on economics.
POS 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.
POS 18	To use normative and legal acts regulating professional activities.
POS 19	To use information and communication technologies to solve socio-economic problems, prepare and present analytical reports.
POS 20	To master the skills of oral and written professional communication in official and foreign languages.
POS 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.
POS 22	To demonstrate flexibility and adaptability in new situations, in working with new objects and in uncertain conditions.
POS 23	To show skills of independent work, demonstrate critical, creative, self-critical thinking.
POS 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.
POS 25	To descry and identify the specifics of different types of worldview, to connect general philosophical problems with solving problems in different branches of modern science.
POS 26	To define conditions, opportunities and levels of knowledge, its types and forms; to explain the difference between sensory and rational levels of cognition; to identify the difference between truth and truth, the complex connection between truth, knowledge and cognition.
POS 27	To use knowledge in the field of taxation to analyze the impact of existing tax instruments on the development and operation of enterprises, to make rational economic decisions at the enterprise or industry level.
POS 28	To analyze the effects of the implementation of social measures by the state, business, civil society institutions; to identify opportunities for the realization of the human personality in the process of socio-economic activity; to evaluate and analyze the effectiveness of social responsibility, social entrepreneurship and state social policy as components of the mechanism of social coordination.
POS 29	To use knowledge, skills and abilities for theoretical and practical development of problems and prospects of enterprise development and plan, to organize, to implement, to present relevant research.
POS 30	To formulate the tasks that arose during the design, logically and concisely present ideas and suggestions, formulate conclusions.
POS 31	To apply the acquired theoretical and practical knowledge of disciplines to solve specific problems of diploma design.

8 – Resource provision of the program’s implementation	
Staffing	In accordance with the staff requirements for ensuring the educational activities’ implementation at the relevant level of HE, approved by Decree of the Cabinet of Ministers of Ukraine No. 1187 dated December 30, 2015, (prevailing) updated by Decree No. 347, May 23, 2018.
Material-and-technical supplying	In accordance with the technological requirements for material-and-technical supplying of educational activities’ implementation at the relevant level of HE, approved by Decree of the Cabinet of Ministers of Ukraine No. 1187 dated December 30, 2015, (prevailing) updated by Decree No. 347, May 23, 2018.
Informational and methodological supplying	In accordance with the technological requirements for material-and-technical supplying of educational activities’ implementation at the relevant level of HE, approved by Decree of the Cabinet of Ministers of Ukraine No. 1187 dated December 30, 2015, (prevailing) updated by Decree No. 347, May 23, 2018.
9 – Academic Mobility	
National credit mobility	The opportunity for concluding relevant agreements
International Credit Mobility	Erasmus +
Training of foreign applicants acquiring higher education	Teaching with the condition of proficiency in the Ukrainian language - teaching in general groups, or in separate groups with teaching in English.

2. LIST OF COMPONENTS OF THE EDUCATIONAL PROGRAM

GC - General Compulsory

PC - Professional Compulsory

GO - General Optional

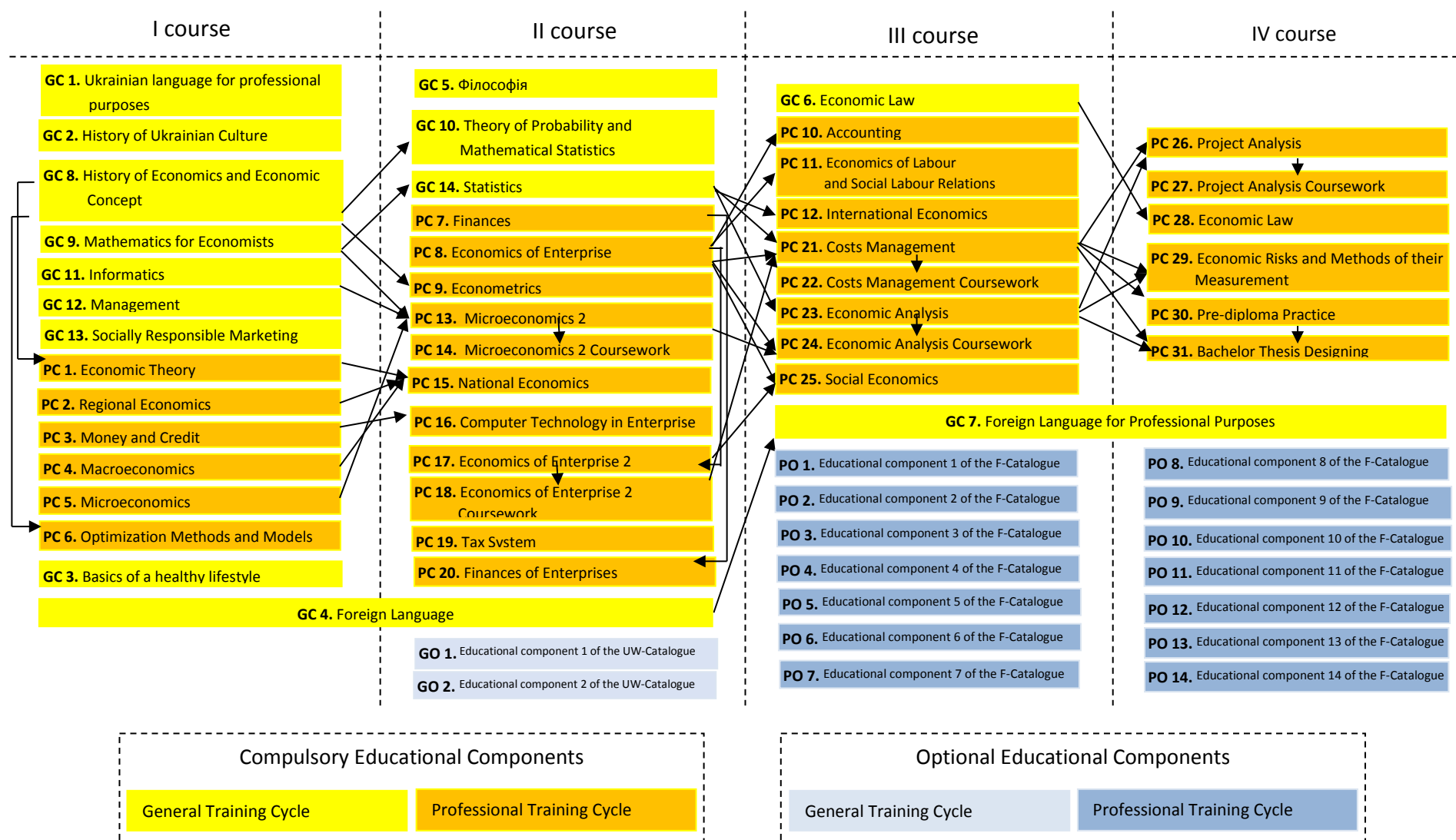
PO - Professional Optional

E/D code	Components of the educational program (disciplines, course projects (works), practice, qualification work)	Number of ECTS credits	Final assessment form
1. Compulsory Educational Components			
1.1. General Training Cycle			
GC 1	Ukrainian language for professional purposes	2	credit
GC 2	History of Ukrainian Culture	2	credit
GC 3	Basics of a healthy lifestyle	3	credit
GC 4	Foreign Language	6	credit
GC 5	Philosophy	2	credit
GC 6	Science of law	2	credit
GC 7	Foreign Language for Professional Purposes	6	exam
GC 8	History of Economics and Economic Concept	4,5	exam
GC 9	Mathematics for Economists	7,5	exam
GC 10	Theory of Probability and Mathematical Statistics	5	exam
GC 11	Informatics	6	credit

GC 12	Management	3,5	credit
GC 13	Socially Responsible Marketing	3,5	credit
GC 14	Statistics	5	exam
1.2. Professional Training Cycle			
PC 1	Economic Theory	4,5	exam
PC 2	Regional Economics	3,5	credit
PC 3	Money and Credit	4	exam
PC 4	Macroeconomics	4,5	exam
PC 5	Microeconomics	4	credit
PC 6	Optimization Methods and Models	4,5	exam
PC 7	Finances	5	exam
PC 8	Economics of Enterprise	5	credit
PC 9	Econometrics	4,5	credit
PC 10	Accounting	4,5	exam
PC 11	Economics of Labour and Social Labour Relations	5	exam
PC 12	International Economics	4,5	exam
PC 13	Microeconomics 2	2	credit
PC 14	Microeconomics 2 Coursework	1	credit
PC 15	National Economics	4,5	exam
PC 16	Computer Technology in Enterprise	4	credit
PC 17	Economics of Enterprise 2	4,5	exam
PC 18	Economics of Enterprise 2 Coursework	1	credit
PC 19	Tax System	4,5	credit
PC 20	Finances of Enterprises	5	exam
PC 21	Costs Management	5	exam
PC 22	Costs Management Coursework	1	credit
PC 23	Economic Analysis	5,5	exam
PC 24	Economic Analysis Coursework	1	credit
PC 25	Social Economics	4,5	exam
PC 26	Project Analysis	4,5	exam
PC 27	Project Analysis Coursework	1	credit
PC 28	Economic Law	3,5	exam
PC 29	Economic Risks and Methods of their Measurement	4	exam
PC 30	Pre-diploma Practice	6	credit
PC 31	Bachelor Thesis Designing	6	defence

2. Optional Educational Components			
2.1. General Training Cycle (Selective Educational Components from the University-wide (UW) Catalogue)			
GO 1	Educational component 1 of the UW-Catalogue	2	credit
GO 2	Educational component 2 of the UW-Catalogue	2	credit
2.2. Professional Training Cycle (Selective Educational Components from the Faculty Catalogue)			
PO 1	Educational component 1 of the F-Catalogue	4	credit
PO 2	Educational component 2 of the F-Catalogue	4	credit
PO 3	Educational component 3 of the F-Catalogue	4	credit
PO 4	Educational component 4 of the F-Catalogue	4	credit
PO 5	Educational component 5 of the F-Catalogue	4	credit
PO 6	Educational component 6 of the F-Catalogue	4	credit
PO 7	Educational component 7 of the F-Catalogue	4	credit
PO 8	Educational component 8 of the F-Catalogue	4	credit
PO 9	Educational component 9 of the F-Catalogue	4	credit
PO 10	Educational component 10 of the F-Catalogue	4	credit
PO 11	Educational component 11 of the F-Catalogue	4	credit
PO 12	Educational component 12 of the F-Catalogue	4	credit
PO 13	Educational component 13 of the F-Catalogue	4	credit
PO 14	Educational component 14 of the F-Catalogue	4	credit
The total scope of the compulsory components:		180	
The total scope of the optional components:		60	
TOTAL SCOPE OF THE EDUCATIONAL PROGRAM		240	

3. STRUCTURAL AND LOGICAL DIAGRAM OF THE EDUCATIONAL PROGRAM



4. THE FORM OF GRADUATION CERTIFICATION FOR THE RECIPIENTS OF HIGHER EDUCATION

Forms for certification for applicants of higher education	The graduation certification for the recipients of higher education according to the educational and professional program «Economics of bussines enterprise» specialty 051 «Economics» is carried out 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 conferment of a bachelor's degree with the qualification: Bachelor of Economics in EPP «Economics of bussines enterprise».
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 CORRESPONDENCE OF PROGRAM COMPETENCES TO EDUCATIONAL PROGRAM COMPONENTS

5.1. Compulsory Educational Components of the EP (General Training Cycle)

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

5.2. Compulsory Educational Components of the EP (Professional Training Cycle from ПО 1-16)

	PC 1	PC 2	PC 3	PC 4	PC 5	PC 6	PC 7	PC 8	PC 9	PC 10	PC 11	PC 12	PC 13	PC 14	PC 15	PC 16
PC 1		+	+	+	+		+					+	+	+		
PC 2											+					
PC 3	+		+													
PC 4	+						+	+								
PC 5				+								+			+	
PC 6						+			+							
PC 7																+
PC 8		+								+	+					
PC 9						+			+							
PC 10								+		+						
PC 11																
PC 12			+													+
PC 13			+	+			+	+								
PC 14																
PC 15															+	
PC 16																
PC 17																
PC 18																
PC 19																
PC 20																
PC 21																
PC 22																
PC 23																

5.3. Compulsory Educational Components of the EP (Professional Training Cycle from ПО 17-31)

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

6. MATRIX OF PROVIDING PROGRAM LEARNING OUTCOMES WITH RELEVANT COMPONENTS OF THE EDUCATIONAL PROGRAM

6.1. Compulsory Educational Components of the EP (General Training Cycle)

	GC 1	GC 2	GC 3	GC 4	GC 5	GC 6	GC 7	GC 8	GC 9	GC 10	GC 11	GC 12	GC 13	GC 14
POS 1	+	+	+	+	+	+	+					+	+	+
POS 2	+	+	+		+	+	+	+					+	
POS 3	+							+	+					+
POS 4				+		+	+	+	+					+
POS 5	+	+	+	+	+	+	+			+	+			
POS 6	+	+	+		+	+		+	+					+
POS 7		+	+		+	+			+	+	+			
POS 8				+		+	+	+	+					+
POS 9				+		+	+	+	+					+
POS 10	+	+		+		+	+		+	+	+	+		+
POS 11	+	+	+	+		+	+	+	+	+				
POS 12	+	+	+		+	+	+	+	+	+		+		+
POS 13	+	+				+			+	+	+		+	+
POS 14		+	+		+	+		+	+	+		+		+
POS 15	+	+	+		+	+		+	+	+	+			
POS 16	+		+			+	+	+	+					+
POS 17	+	+	+	+	+	+	+		+	+				

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

6.2. Compulsory Educational Components of the EP (Professional Training Cycle from PC 1-16)

	PC 1	PC 2	PC 3	PC 4	PC 5	PC 6	PC 7	PC 8	PC 9	PC 10	PC 11	PC 12	PC 13	PC 14	PC 15	PC 16
POS 1	+			+	+							+	+	+	+	
POS 2	+		+			+	+	+					+			+
POS 3	+			+	+	+	+	+				+	+	+	+	
POS 4	+		+	+	+	+	+	+	+			+	+	+	+	+
POS 5			+					+			+		+	+	+	+
POS 6	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+
POS 7	+			+	+	+	+	+	+			+	+	+	+	+
POS 8	+		+			+	+	+	+				+			+
POS 9	+	+		+	+	+	+	+				+	+	+	+	
POS 10	+			+	+		+	+		+	+	+	+	+	+	+
POS 11				+			+	+		+	+	+	+	+	+	+
POS 12			+								+		+	+	+	+
POS 13	+					+	+	+		+				+	+	+
POS 14	+		+	+	+		+					+	+	+	+	
POS 15			+										+	+	+	+
POS 16	+					+	+	+		+				+	+	+
POS 17	+			+	+	+	+	+		+		+	+	+	+	+
POS 18								+		+	+			+	+	+

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

6.3. Compulsory Educational Components of the EP (Professional Training Cycle from PC 17-31)

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

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