

**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 № \_\_ from \_\_ 2020

Chairman of the Academic Council

\_\_\_\_\_ Mykhaylo ILCHENKO

## **ECONOMICS OF BUSINESS ENTERPRISE**

**EDUCATIONAL AND PROFESSIONAL PROGRAM  
of the Second (master's) Level of Higher Education**

<b>Specialty</b>	<b>051 Economics</b>
<b>Field of knowledge</b>	<b>05 Social and behavioral sciences</b>
<b>Qualification</b>	<b>Master of Economics</b>

Entered into force by Order of the  
Rector  
of NTUU “Igor Sikorsky Kyiv  
Polytechnic Institute”  
from \_\_\_\_\_ 2020 № \_\_\_\_

## **PREAMBLE**

### **DEVELOPED by the group consisting of:**

#### **Head of the group:**

Svitlana TULCHINSKA, Doctor of Economic Sciences,  
Professor at the Department of Economics and Business

#### **Members of the group:**

Vasyl MARTYNNENKO, 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

Nataliia KUZMINSKA, Candidate of Economic Sciences,  
Associate Professor of 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 Board of Igor Sikorsky Kyiv Polytechnic Institute  
(Protocol № \_\_\_ dated « \_\_\_ » \_\_\_\_\_ 2020)

Changes and amendments to the educational program are agreed by Scientific and Methodical Board of Igor Sikorsky Kyiv Polytechnic Institute in specialty 051 Economics (Protocol № \_\_\_ dated « \_\_\_ » \_\_\_\_\_ 2020)

Head of the Scientific and Methodical Board in specialty 051 Economics

\_\_\_\_\_ Serhii Voitko

### **INCLUDED:**

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

Vasyl VOROPAI, CEO of LLC "ME SPEC Technik"

Yaroslava PROCOPENKO, the graduate student,  
the third (educational and scientific) level of higher education

Nazar LEGEZA, the applicant of higher education,  
the third (educational and scientific) 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

<b>1 – General information</b>	
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 - Master Qualification - Master 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	Master's degree, single, 90 ECTS credits, the term of study - 1 years 4 months
Availability of accreditation	Certificate of accreditation of the specialty ND 1192609, 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	Bachelor's degree
Teaching language	Ukrainian
The duration of the educational program	Until 01.07.2025
Internet address of the permanent placement of the educational program	<a href="http://keip.kpi.ua">http://keip.kpi.ua</a> <a href="https://osvita.kpi.ua">https://osvita.kpi.ua</a>
<b>2 – The purpose of the educational program</b>	
Training of specialists in the economics who have modern thinking, theoretical knowledge and practical skills needed to solve the problems of complex research, innovation, management and the problems of functioning of economic systems of different levels, characterized by uncertainty of conditions and requirements. 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.	
<b>3 – Characteristics of the educational program</b>	
Subject area	<p><i>Object of study and / or activity:</i> modern economic processes and phenomena, scientific methods of normative, quantitative and institutional analysis, tools for the formation of international, national, regional, sectoral economic policy and business economics.</p> <p><i>Educational objectives:</i> to train specialists who have modern economic thinking, theoretical knowledge and practical skills needed to solve the problems of complex research, innovation, management and the problems of functioning of economic systems of different levels, characterized by uncertainty of conditions and requirements.</p> <p><i>Theoretical content of the subject area:</i> general laws and trends of economic development, motivation and behavior of market participants; theories of micro-, macro- and international economics; modern quantitative methods of analysis of economic processes; institutional and interdisciplinary analysis; patterns of modern socio-economic processes; theories of economic management for different production systems and sectors of the economy.</p> <p><i>Methods, techniques and technologies:</i> general scientific and specific methods of cognition and research; mathematical, statistical, qualitative methods of economic analysis; sociological, expert evaluation, questionnaires; economic and mathematical modeling of forecasting; information and communication technologies, special software; research methods 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	The program is based on well-known scientific principles, general laws and trends of economic development, scientific methods of normative, quantitative and institutional analysis, tools for the formation of international, national, regional, sectoral economic policy and business economics. Key words: corporate economy, global economy, sectoral economy, economy of foreign economic activity, economic management, crisis management, economic diagnostics, competitive advantages of the enterprise, finance, intellectual property, substantiation of managerial decisions, innovations.
Peculiarities of the educational program	Implementation of the program involves the involvement of classroom practitioners, industry experts, employers.
<b>4 – Eligibility of graduates for employment and further training</b>	
Eligibility for employment	Graduates can work at enterprises of any organizational and legal form in positions (according to the classifier of professions of Ukraine DK 003: 2010): 2419.2 Professionals in Marketing, Business Efficiency, Industrial Rationalization, Intellectual Property: Professional in Economic Cybernetics. Specialist in ecological modeling of economic systems. Business Performance Consultant 2441. Professionals in Economics Junior Research Fellow (Economics). Research Fellow (Economics). Research Fellow-Consultant (Economics) 2441.2 Economists: Investment Analyst. Lending analyst. Economist. Economist in accounting and business analysis. Logistics economist. Planning economist. Pricing economist. Economic adviser. Economic consultant. Economic Reviewer. Economist of the computer (information and computing) center. Economist-statistician According to the International Standard Classification of Occupations 2008, graduates can work in positions that correspond to groups 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
Further training	Continuing education at the third (educational and scientific) level of higher education and / or acquiring additional qualifications in the adult education system.
<b>5 – Teaching and assessment</b>	
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.
<b>6 – Program competencies</b>	
Integral competency	The ability to identify and solve complex economic tasks and problems, make appropriate analytical and managerial decisions in the field of economics or in the learning process, provides for research and / or innovation under uncertain conditions and requirements.
<b>General competencies (GC)</b>	
GC 1	The ability to generate new ideas (creativity).

GC 2	The ability to abstract thinking, analysis, synthesis.
GC 3	The ability to motivate people and move towards a common goal.
GC 4	The ability to communicate with representatives of other professional groups of different levels (with experts from other fields of knowledge/types of economic activity).
GC 5	The ability to work as a part of a team.
GC 6	The ability to develop and manage projects.
GC 7	The ability to act on ethical reasons (motives).
GC 8	The ability to conduct research at the appropriate level.
<b>Professional competencies (PC)</b>	
PC 1	The ability to use scientific, analytical, methodological tools to substantiate the strategy of development of economic actors and related management decisions.
PC 2	The ability to communicate professionally in the field of economy in a foreign language.
PC 3	The ability to collect, analyze and process statistical data, scientific and analytical materials, which are necessary for solving complex economic problems, to draw on their basis reasonable conclusions.
PC 4	The ability to use modern information technologies, methods and techniques of research of economic and social processes, adequate to the established needs of research.
PC 5	The ability to identify key trends in socio-economic and human development.
PC 6	The ability to formulate professional tasks in the field of economy and solve them, choosing the right directions and appropriate methods for their solution, taking into account the available resources.
PC 7	The ability to substantiate management decisions on effective development of business entities.
PC 8	The ability to assess possible risks, social and economic consequences of management decisions.
PC 9	The ability to apply scientific approach to the formation and implementation of effective projects in the socio-economic sphere.
PC 10	The ability to develop scenarios and strategies for the development of socio-economic systems.
PC 11	The ability to apply scientific, analytical, methodological tools to the management of intellectual capital; have knowledge of the specifics of legal protection, ways of commercialization and protection of the right to intellectual capital.
PC 12	The ability to use modern methods of scientific research in the professional sphere.
PC 13	
<b>7 – Program outcomes of studying</b>	
POS 1	To formulate, analyze and synthesize solutions to scientific and practical problems.
POS 2	To develop, justify and make effective decisions on the development of socio-economic systems and management of economic entities.
POS 3	To communicate fluently on professional and scientific issues in state and foreign languages in speaking and writing.
POS 4	To develop socio-economic projects and a system of comprehensive actions for their implementation, considering their goals, expected socio-economic consequences, risks, legislative, resource and other constraints.
POS 5	Adhere to the principles of academic integrity.
POS 6	To evaluate the results of their own work, demonstrate leadership skills and ability to manage staff and work in a team.
POS 7	To choose effective methods of the economic activity management, to substantiate the suggested decisions on the basis of relevant data and scientific and applied researches.

POS 8	To collect, process and analyze statistical data, scientific and analytical materials needed to solve complex economic problems.
POS 9	To make the effective decisions under uncertain conditions requiring the application of new approaches, methods, and tools for socio-economic research.
POS 10	To apply modern information technologies and specialized software in socio-economic research and in management of socio-economic systems.
POS 11	To identify and critically assess the state and trends of socio-economic development, form and analyze models of economic systems and processes.
POS 12	To justify management decisions for effective business development, taking into account goals, resources, constraints and risks.
POS 13	To assess probable risks, socio-economic consequences of management decisions.
POS 14	To develop scenarios and strategies for the development of socio-economic systems
POS 15	To develop, justify and make effective decisions on intellectual capital management, as well as tools, methods for developing strategies for managing intellectual property of the enterprise.
POS 16	To calculate indicators, index of economic dimension of sustainable development and use them in the process of international economic activity of countries, regions, intersectoral complexes.
POS 17	To develop, justify and make effective decisions on intellectual capital management, as well as tools, methods for developing strategies for managing intellectual property of the enterprise.
<b>8 – Resource provision of the program’s implementation</b>	
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.
<b>9 – Academic Mobility</b>	
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

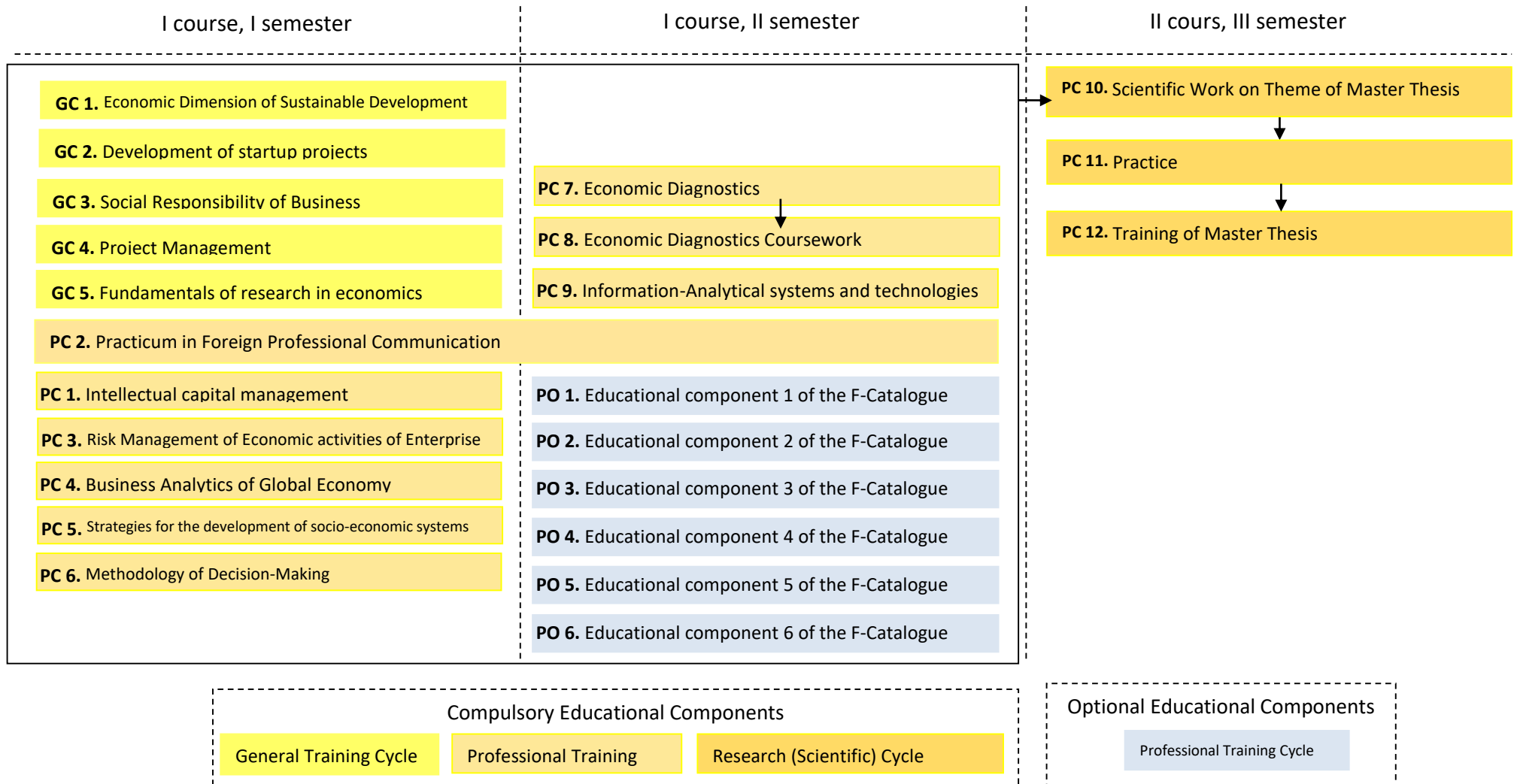
GO - General Optional

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
<b>1. Compulsory Educational Components</b>			
<b>1.1. General Training Cycle</b>			
GC 1	Economic Dimension of Sustainable Development	2	credit
GC 2	Development of startup projects	3	credit
GC 3	Social Responsibility of Business	2,5	credit
GC 4	Project Management	2,5	credit
GC 5	Fundamentals of research in economics	2	credit
<b>1.2. Professional Training Cycle</b>			
PC 1	Intellectual capital management	3	credit
PC 2	Practicum in Foreign Professional Communication	3	credit
PC 3	Risk Management of Economic activities of Enterprise	3,5	exam
PC 4	Business Analytics of Global Economy	3,5	exam
PC 5	Strategies for the development of socio-economic systems	4	exam
PC 6	Methodology of Decision-Making	2,5	credit
PC 7	Economic Diagnostics	4	exam
PC 8	Economic Diagnostics Coursework	1	credit
PC 9	Information-Analytical systems and technologies	3	credit
<b>1.3. Research (Scientific) Cycle</b>			
PC 10	Scientific Work on Theme of Master Thesis	2	credit
PC 11	Practice	14	credit
PC 12	Training of Master Thesis	12	defence
<b>2. Optional Educational Components</b>			
<b>2.1. Professional Training Cycle (Selective Educational Components from the Faculty Catalogue)</b>			
PO 1	Educational component 1 of the F-Catalogue	3,5	credit
PO 2	Educational component 2 of the F-Catalogue	4	exam
PO 3	Educational component 3 of the F-Catalogue	3,5	credit
PO 4	Educational component 4 of the F-Catalogue	4	exam
PO 5	Educational component 5 of the F-Catalogue	3,5	credit
PO 6	Educational component 6 of the F-Catalogue	4	credit
<b>The total scope of the compulsory components:</b>		<b>67,5</b>	
<b>The total scope of the optional components:</b>		<b>22,5</b>	
<b>TOTAL SCOPE OF THE EDUCATIONAL PROGRAM</b>		<b>90</b>	



### 3. STRUCTURAL AND LOGICAL DIAGRAM OF THE EDUCATIONAL PROGRAM



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

<b>Forms for certification for applicants of higher education</b>	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».
<b>Requirements for qualification work</b>	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

	GC 1	GC 2	GC 3	GC 4	GC 5	PC 1	PC 2	PC 3	PC 4	PC 5	PC 6	PC 7	PC 8	PC 9	PC 10	PC 11	PC 12
GC 1		+															
GC 2	+	+															
GC 3	+			+													
GC 4				+													
GC 5			+	+													
GC 6				+													
GC 7			+														
GC 8					+												
PC 1										+							
PC 2							+								+		
PC 3															+	+	+
PC 4														+			
PC 5						+			+								
PC 6												+	+				
PC 7											+						
PC 8								+									
PC 9											+				+	+	
PC 10										+							

	GC 1	GC 2	GC 3	GC 4	GC 5	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 11						+											
PC 12															+		
PC 13															+		

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

	GC 1	GC 2	GC 3	GC 4	GC 5	PC 1	PC 2	PC 3	PC 4	PC 5	PC 6	PC 7	PC 8	PC 9	PC 10	PC 11	PC 12
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						+											