

**MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE
KYIV NATIONAL UNIVERSITY OF TRADE AND ECONOMICS**

**EDUCATIONAL – PROFESSIONAL PROGRAM
«Business Economics»
The first level of higher education
in Speciality 051 Economics
Field of Knowledge 05 Social and behavioral sciences
Qualifications: Degree of higher education "Bachelor"
Speciality "Economics"
Specialization "Business Economics"**

**APPROVED BY
ACADEMIC BOARD
_____ /A.A. Mazaraki /
(protocol No. ___ from "___" _____ 2019)
The educational program is introduced in ___ 2019
Rector _____ / A.A. Mazaraki /
(Resolution No. ___ of "___" _____ 2019)**

Kyiv 2019

INTRODUCTION

Developed by a working group consisting of:

№	full name	Academic degree, academic status, occupation
1	Blakyta Hanna Vladyslavivna	Doctor of Economics, Professor, head of the Department of Economics and Business Finance (head)
2	Mazaraki Anatolii Antonovych	Doctor of Economics, Professor, Rector KNUTE
3	Trubei Oksana Mykolaivna	PhD in Economics, Associate Professor, Department of Economics and Business Finance
4	Stoianenko Iryna Vasylivna	PhD in Economics, Associate Professor, Department of Economics and Business Finance
5	Bai Serhii Ivanovych	Doctor of Economics, Professor, head of the Department of Management
6	Romat Yevhenii Viktorovych	Doctor of Sciences in Public Administration, Professor, head of the Department of Marketing
7	Fomina Olena Volodymyrivna	Doctor of Economics, Associate Professor, Head of the Department of Accounting and Taxation
8	Gurzhii Taras Oleksandrovych	Doctor of Law, Professor, Head of the Department of Administrative, Financial and Information Law
9	Kryvoruchko Olena Volodymyrivna	Doctor of Engineering Science, Professor, Head of Department of Software Engineering and Cyber Security
10	Lagutin Vasyl Dmytrovych	Doctor of Economics, Professor, head of the Department of Economics and Competition Policy
11	Suiarko Lidiia Volodymyrivna (by agreement)	Head of TOV «LASSI», and TOV «GIS KOSMETIC», founder and project manager of «UA Krasa»
12	Zelinskyi Eduard Frantsovych (by agreement)	Director General of PrAT «ITT-Plaza»
13	Lubenets Anastasiia Oleksandrivna	3rd year student of group 1 of the Faculty of Economics, Management and Psychology, specialization "Business Economics"

External Stakeholders Reviews

№	Academic degree, academic status, occupation	full name
1	Head of TOV «LASSI», and TOV «GIS KOSMETIC», founder and project manager of «UA Krasa»	Suiarko Lidiia Volodymyrivna
2	Director General of PrAT «ITT-Plaza»	Zelinskyi Eduard Frantsovych

Letter of Approval of an Educational and Professional Program

Approved by

First Vice Rector
on Scientific and Pedagogical Work

_____ N. Prytul'ska
_____ 2019

Approved by

Vice Rector
on Scientific and Pedagogical Work

_____ S. Shapoval
_____ 2019

Approved by

Head of Training Department KNUTE

_____ K. Mosty'ka
_____ 2019

Approved by

Head of Educational and Methodical
Department KNUTE

_____ T. Bozhko
_____ 2019

Approved by

Head of the Department of Economics and
Business Finance

_____ H. Blakyta
_____ 2019

Approved by

Representative of Student's Union Council
A.Lubenets

_____ (subscription)
_____ 2019

Approved by

Head of TOV «LASSI», and TOV «GIS
KOSMETIC», founder and project manager of
«UA Krasa»

_____ L. Suiarko
_____ 2019

(signet)

Approved by

Director General of PrAT «ITT-Plaza»

_____ E.Zelinskyi
_____ 2019

(signet)

**Profile of educational program in specialty 051 "Economics"
(specialization "Business Economics")**

1 – General information	
Full name of IHE and structural subdivision	Kyiv National University of Trade and Economics, Faculty of Economics, Faculty of Economics, Management and Psychology, Department of Economics and Business Finance
Degree of higher education and the name of the qualification in the language of the original	Degree of higher education "Bachelor" specialty "Economics" Specialization "Business Economics"
The official name of the educational program	"Business Economics"
Type of Diploma and Volume of Educational Program	Bachelor's degree, unitary, 240 ECTS credits, term of study - 3 years 10 months
Accreditation	Ministry of Education and Science of Ukraine Accreditation Commission of the Ministry of Education and Science of Ukraine, from 2017 to 2026
The cycle / level	HPK of Ukraine is 7th level, FQ-EHEA - The first cycle, EQF-LLL - 6 level
Prerequisites	- educational degree "Junior Bachelor" - complete general secondary education; - the conditions for admission to the program are regulated by the Rules of admission to KNUTE.
Language (s) Teaching	Ukrainian
Validity of the educational program	from 2017 to 2026
Internet address of the permanent placement of the description of the educational program	https://www.knteu.kiev.ua
2 – The purpose of the educational program	
Training of highly skilled business economics that has modern economic thinking, theoretical knowledge and applied skills in managing business processes of a business entity capable of solving research and practical problems using tools and algorithms for making managerial decisions for further employment; preparation for the successful mastering of higher education programs.	
3 – Characteristics of the educational program	
Subject area (branch of knowledge, specialty, specialization)	Field of Knowledge 05 «Social and behavioral sciences» Speciality 051 «Economics» Specialization "Business Economics" Compulsory education program components occupy 66% sample educational program components occupy 34%.
Orientation of educational program	Educational and professional. The program is based on the conceptual theoretical foundations of the leading scientific and economic schools and the synthesis of practical experience in the field of economics and business, and forms the relevant competencies on the labor market that provide opportunities for the development of professional and

	<p>scientific careers. It involves studying relevant professional oriented disciplines in accordance with approved programs: «Enterprise Economics», «Marketing», «Management», «Accounting», «Business Planning», «Business and Enterprise Valuation», and «Business Technology».</p>
<p>The main focus of the educational program and specialization</p>	<p>Key words: socio-economic systems, management decisions, economic and mathematical models, economic objects, efficiency.</p> <p>General education in the field of social and behavioral sciences of the specialty Business Economics with in-depth study of theoretical and methodical foundations of organization of financial relations and their functioning at the macro and microeconomic levels; regulation of the financial market; organization of accounting in the enterprise; systematic and process analysis of economic systems, finding predictive assessments of their behavior in the future and developing management decisions on their basis; construction and use of economic and mathematical models, which are tools for the evaluation, analysis and forecasting of complex socio-economic systems; analysis and processing of statistical data using modern computer technologies; diagnostics and search for opportunities to achieve positive changes in the development of economic entities or other economic entities and their structural units; evaluation of projects, methods and means of attraction of resources for implementation of projects and mechanisms for their management; analysis of the effectiveness of the business plan, the use of specialized software.</p>
<p>Program features</p>	<p>It envisages the expansion of the mandatory component by studying the current, professionally oriented verdict disciplines in accordance with the approved author's programs (Econometrics, Economic Analysis, Commercial Law, Logistics, Insurance, Accounting for Small Business Enterprises) , "Payment Systems", "Tax System", "Audit", "Digital-technology in business", "Project analysis"), which provide the formation of skills and skills for work in the field of business economics.</p> <p>The training plans (6 weeks) are foreseen by the industrial practice at the leading enterprises of Ukraine.</p>
<p>4 – Eligibility of graduates for employment and further training</p>	
<p>Eligibility for employment</p>	<p>Serving as assistant head of enterprises, institutions, organizations and their divisions.</p> <p>Work in positions: economist: from sales, logistics, financial work, pricing, planning, from work; specialist: on the efficiency of entrepreneurship, project and program management in production, regulation and budgeting, stock exchange operations, financial and economic security, and analytics; specialist in financial institutions, public administration and local self-government bodies, assistant manager of an enterprise (institution, organization), assistant manager of another main unit. Own business (private entrepreneurship).</p>

Further education	Opportunity to continue education for the second level of higher education - the master's degree in business and management.
5 – Teaching and Assessment	
Teaching and learning	Balanced combination of classroom (lectures, discussions, seminars, practical classes in small groups, independent work with information sources, teacher counseling, distance learning) and independent work based on problem-oriented, interactive learning and self-learning.
Assessment	Candidates for Higher Education KNUTE - twice a year according to the Regulations on the system of rating assessment of the students of the KNUTE approved by the Academic Council of KNUTE on May 25, 2017. All types of current assessment of knowledge during the implementation of the curriculum (written examinations, presentation of individual works and projects, current control: testing, problem solving and situational exercises, cases, debates, public statements, final control, certification (qualification exam.).
6 – Program competencies	
Integral competence	Ability to solve complex specialized economic problems and problems, to take appropriate analytical and managerial decisions in the field of business activity or in the process of study, which envisages conducting theoretical and applied researches with the use of innovative technologies and the latest software products.
General competences (GC)	GC 1. Ability to take initiatives, responsibilities and safety skills in accordance with the future profile of work, sectoral rules and regulations, as well as the required level of individual and collective security in emergencies. GC 2. Ability to flexibly think in a wide range of possible workplaces and in everyday life, Ability to analyze and synthesize based on logical arguments and verified facts. GC 3. Ability to conduct economic research in a group led by a leader; ability to take into account disciplinary requirements, planning and time management. GC 4. Ability to continuous and up-to-date training, studying and generalization of best practices in the field of their professional activities, generation of new ideas. GC 5. Ability to conduct business communication in a foreign language. GC 6. Ability to communicate effectively (communicating) and to present complex comprehensive information in a concise form, both verbally and in writing, using information and communication technologies and corresponding economic terminology. GC 7. Formation of psychological culture of interaction in professional and everyday activities. GC 8. Ability to adhere to ethical principles both in terms of professional honesty and in terms of understanding the possible impact of financial decisions on the social sphere.

<p>Professional competences of the specialty (PC)</p>	<p>PC 1. Acquisition of detailed and comprehensive knowledge of the economic foundations of the company's operation; profound theoretical knowledge on the economic mechanism, strategy and tactics of the enterprise.</p> <p>PC 2. Acquiring detailed and comprehensive knowledge and practical skills in assessing, diagnosing and finding opportunities to achieve positive changes in the development of economic entities or other economic entities and their structural divisions, finding options for the most effective management decisions, combining strategies and tactics of sustainable economic development, ensuring integration of national, corporate and personal interests of participants in economic processes.</p> <p>PC 3. Ability to perform organizational and managerial and informational and analytical work in the following areas: formation of economic strategy of the enterprise; improvement of the organizational structure of the enterprise.</p> <p>PC 4. Ability to substantiate the economic efficiency of enterprises; formation and use of enterprise income.</p> <p>PC 5. Ability to organize and workplace efficiency; use of enterprise information management systems.</p> <p>PC 6. Ability to find and use information from different sources (written, electronic, oral) in accordance with a task with sufficient level of validity.</p> <p>PC 7. Ability to use appropriate terminology, mastering of methodical tools for working out and realization of tasks of management of economic-financial activity of the enterprise.</p> <p>PC 8. Acquiring skills for assessing socioeconomic efficiency and the effects of management decisions that are being taken.</p> <p>PC 9. Ownership of the basics of system management by organizations; acquiring skills for analyzing the internal and external environment of the organization and adopting adequate managerial decisions.</p> <p>PC 10. Ability to build partnerships with all participants, to regulate labor conflicts, to develop productive relations with people on the principles of self-esteem, patience, emotional balance and trust.</p> <p>PC 11. Ability to determine and meet the needs of development, to think critically, to demonstrate the skills of critical assessment of oneself and others for personal and professional development.</p> <p>PC 12. Owning methods of assessing the results of the enterprise, motivation to perform the tasks.</p> <p>PC 13 Ability to search, collect, systematize and accumulate the regulatory, social, economic, scientific, methodological, reference and other information necessary for the performance of official duties.</p> <p>PC 14. Make effective business communication by communicating with colleagues in the field on scientific achievements both at the general level and at the level of specialists, to present complex information in a convenient and understandable way.</p>
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	PC 15. Ability to use existing computer programs to increase the efficiency of professional activities.
7 – Program learning outcomes	
	<p><i>- in the cycle of humanitarian and socio-economic training:</i></p> <p>PLO 1. Possession of wide-ranging horizons;</p> <p>PLO 2. Knowledge of the socio-economic and political structure of society and its ability to apply in the activity;</p> <p>PLO 3. Understanding of historical laws, ethical and ecological principles of development of society;</p> <p>PLO 4. Possession of communicative culture and culture of thinking;</p> <p>PLO 5. Possession of formed cognitive, communicative abilities;</p> <p>PLO 6. Owned by organized structure of individual traits, recognized values and certain positions;</p> <p>PLO 7. Possession of a foreign language.</p> <p><i>- in the cycle of fundamental, natural sciences and general economic training:</i></p> <p>PLO 8. Ability to think logically on the basis of formal logic;</p> <p>PLO 9. Possession of mathematical and statistical methods of analysis, application of information technologies;</p> <p>PLO 10. Knowledge and understanding of economic theory, legal norms regulating entrepreneurial activity;</p> <p><i>- in the cycle of professional and practical training:</i></p> <p>PLO 11. Possibility to solve typical specialized tasks and practical problems in the field of economic activity of the enterprise and in the process of training;</p> <p>PLO 12. Ability to identify the reserves for improving efficiency and to justify recommendations for solving situational tasks in the field of economic activity of the enterprise;</p> <p>PLO 13. Ability to interpret the results of the analysis of the reporting information of the enterprise, data of domestic and foreign economic statistics.</p> <p>PLO 14. Ability to develop plans, monitor their implementation, evaluate the effectiveness of the enterprise;</p> <p>PLO 15. Ability to apply information technology in professional activities.</p> <p>PLO 16. Ability to substantiate recommendations for solving problems of functioning and development of the enterprise.</p> <p>PLO 17. Ability to justify the development of a business plan, conduct an analysis of the effectiveness of the business plan, apply specialized software.</p>
8 – Resource support for the implementation of the program	
Human resourcing	<p>Working group: ten persons with a degree and / or academic rank, as well as the implementation of the OP, scientific and pedagogical workers with academic degrees and / or academics, as well as highly skilled specialists are involved.</p> <p>Provision of advanced training of scientific and pedagogical staff of KNUTE in accordance with the Regulations on the upgrading of qualifications and internships of scientific-pedagogical and pedagogical workers of the Kyiv Trade and</p>

	Economic University, all scientific and pedagogical workers undergo an internship once every five years.
Logistical support	<p>Ensuring the availability of the necessary resources for the organization of the educational process, including independent work of students, for each educational program in accordance with the Provision on the organization of students' educational process; Regulations on the independent work of the students and postgraduates of the KNUTE.</p> <p>Use of laboratories, computer and specialized audiences of KNUTE.</p> <p>Availability of social and domestic infrastructure of KNUTE.</p>
Information methodological support	<p>Ensuring the availability of information systems for effective management of the educational process through the systems: distance learning MOODLE (provides independent and individual training, control), access to the Internet and e-mail, "Dean's Office", "1- C: Accounting for Ukraine" (financial support), "Load-schedule", management of WEB-resources of KNUTE, management of the library fund, as well as the system of electronic document flow "OPTiMA - WorkFlow", corporate information field in the form of "personal office" users s web portal KNUTE.</p> <p>Ensuring publicity of information about educational programs, degrees of higher education and qualifications: realization of information policy of KNUTE; publication of information packages, educational programs, schedule of classes, as well as all components of the educational process, which are to be published in accordance with the Law of Ukraine "On Higher Education" on the official site of KNUTE;</p> <p>Providing an effective system for preventing and detecting academic plagiarism in the scientific works of the staff of the KNUTE and the applicants of higher education (publication of the text of the dissertation research on the official site of KNUTE), adherence to the rules of the Ethical Code of the scientist of Ukraine.</p> <p>Other procedures and measures that ensure the fulfillment of the Licensing conditions for conducting educational activities by educational institutions (Resolution of the Cabinet of Ministers of Ukraine dated December 30, 2015, No. 1187 "On Approval of Licensing Conditions for Educational Activities of Educational Institutions").</p>
9 – Academic mobility	
National Credit Mobility	It is envisaged by law and it is expedient when it becomes necessary to study (mastering) students of fundamentally new courses, disciplines that are not taught in the basic ZVO. Regulations on the procedure for realization of the right to academic mobility in KNUTE are developed.
International Credit Mobility	The University has concluded agreements on cooperation between KNUTE and higher education institutions, in which partner exchange and student training are carried out. In addition, international academic mobility is carried out through international programs and projects within Erasmus + in particular with the following universities: Krakow University

	<p>of Economics (Poland, Krakow), Szczecin University (Poland, Szczecin), Business School Audensia (France University of Grenoble Alps (France, Grenoble), Pari Es Cretay University (France, Paris), University of Central Lancashire (Great Britain, Preston), Hohenheim University (Germany, Stuttgart), Piraeus University of Applied Sciences (Greek I, M. Piraeus), University of them. Clement Ohridski (Bulgaria, Sofia)</p>
<p>Teaching foreign higher education applicants</p>	<p>For foreign students, the discipline "Ukrainian language " is taught for 1-3 semesters with a separate schedule by teachers who have completed special training in teaching Ukrainian as a foreign language.</p>

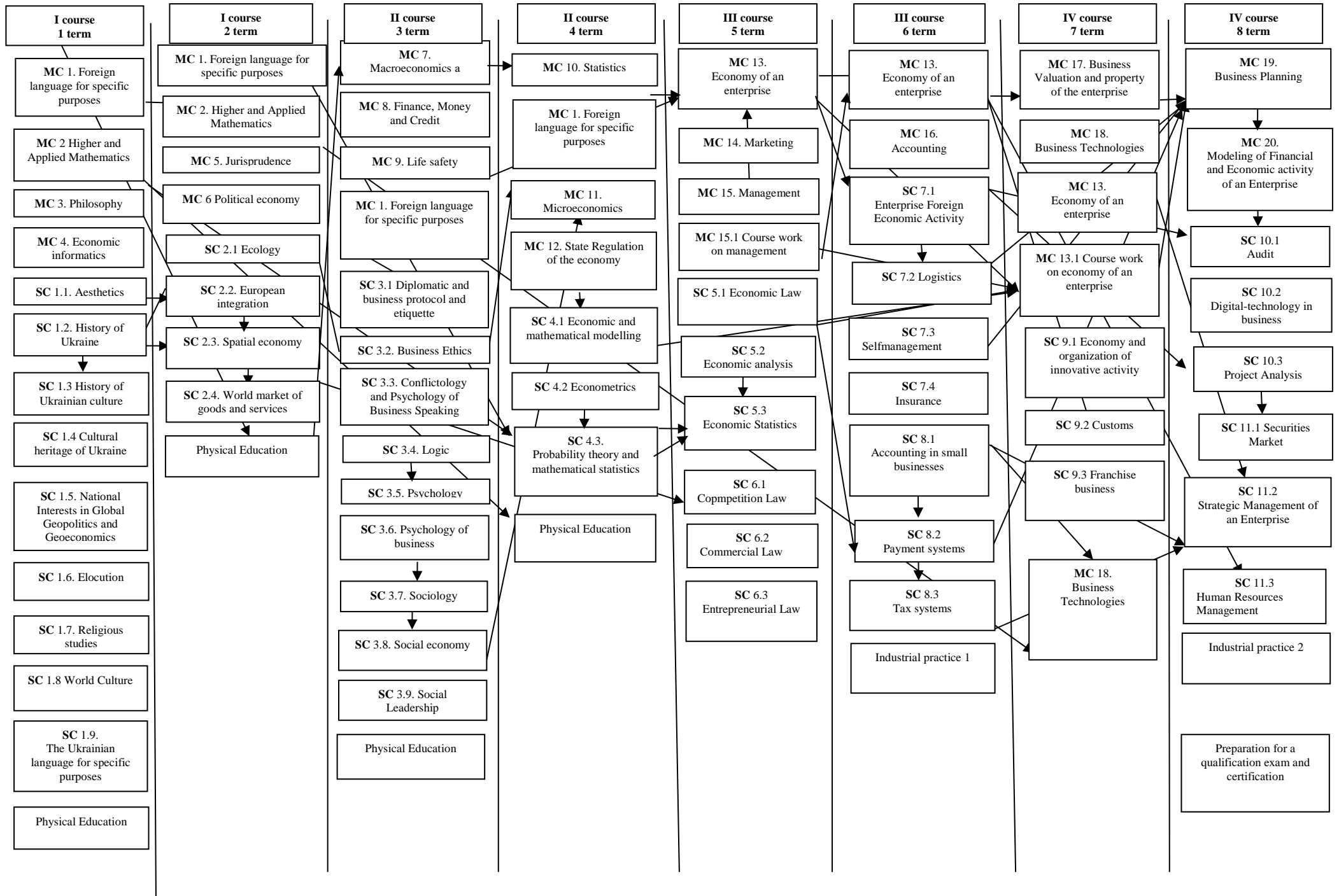
2. List of components of the educational program and their logical consistency

2.1. List of components of EP

Code n / a	Components of the educational program (academic disciplines, course projects (work), practice, qualifying exam, final qualification work)	Amount of credits	Form of final control
1	2	3	4
Mandatory components of EP			
MC 1.	Foreign language for specific purposes	24	exam
MC 2.	Higher and Applied Mathematics	12	exam
MC 3.	Philosophy	6	exam
MC 4.	Economic informatics	6	exam
MC 5.	Jurisprudence	6	exam
MC 6.	Political economy	6	exam
MC 7.	Macroeconomics	6	exam
MC 8.	Finance, Money and Credit	6	exam
MC 9.	Life safety	6	exam
MC 10.	Statistics	6	exam
MC 11.	Microeconomics	6	exam
MC 12.	State Regulation of the economy	6	exam
MC 13.	Economy of an enterprise	18	exam
MC 13.1.	Course work on economy of an enterprise		
MC 14.	Marketing	6	exam
MC 15.	Management	6	exam
MC 15.1.	Course work on management		
MC 16.	Accounting	6	exam
MC 17.	Business Valuation and property of the enterprise	12	exam
MC 18.	Business Technologies	6	exam
MC 19.	Business Planning	6	exam
MC 20.	Modeling of Financial and Economic activity of an Enterprise	9	exam
	Physical Education		credit
Total amount of mandatory components:		159	
Selective components of EP			
SC 1.1.	Aesthetics	6	exam
SC 1.2.	History of Ukraine	6	exam
SC 1.3.	History of Ukrainian culture	6	exam
SC 1.4.	Cultural heritage of Ukraine	6	exam
SC 1.5.	National Interests in Global Geopolitics and Goeconomics	6	exam
SC 1.6.	Elocution	6	exam
SC 1.7.	Religious studies	6	exam
SC 1.8.	World Culture	6	exam
SC 1.9.	The Ukrainian language for specific purposes	6	exam
SC 2.1.	Ecology	6	exam

SC 2.2.	European integration	6	exam
SC 2.3.	Spatial economy	6	exam
SC 2.4.	World market of goods and services	6	exam
SC 3.1.	Diplomatic and business protocol and etiquette	6	exam
SC 3.2.	Business Ethics	6	exam
SC 3.3.	Conflictology and Psychology of Business Speaking	6	exam
SC 3.4.	Logic	6	exam
SC 3.5.	Psychology	6	exam
SC 3.6.	Psychology of business	6	exam
SC 3.7.	Sociology	6	exam
SC 3.8.	Social economy	6	exam
SC 3.9.	Social Leadership	6	exam
SC 4.1.	Economic and mathematical modelling	6	exam
SC 4.2.	Econometrics	6	exam
SC 4.3.	Probability theory and mathematical statistics	6	exam
SC 5.1.	Economic Law	6	exam
SC 5.2.	Economic analysis	6	exam
SC 5.3.	Economic Statistics	6	exam
SC 6.1.	Copmpetition Law	6	exam
SC 6.2.	Commercial Law	6	exam
SC 6.3.	Entrepreneurial Law	6	exam
SC 7.1.	Enterprise Foreign Economic Activity	6	exam
SC 7.2.	Logistics	6	exam
SC 7.3.	Selfmanagement	6	exam
SC 7.4.	Insurance	6	exam
SC 8.1.	Accounting in small businesses	6	exam
SC 8.2.	Payment systems	6	exam
SC 8.3.	Tax systems	6	exam
SC 9.1.	Economy and organization of innovative activity	6	exam
SC 9.2.	Customs	6	exam
SC 9.3.	Franchise business	6	exam
SC 10.1.	Audit	6	exam
SC 10.2.	Digital-technology in business	6	exam
SC 10.3.	Project Analysis	6	exam
SC 11.1.	Securities Market	6	exam
SC 11.2.	Strategic Management of an Enterprise	6	exam
SC 11.3.	Human Resources Management	6	exam
Total amount of sample components:		66	
Practical training			
Industrial practice 1		6	credit
Industrial practice 2		6	credit
Assessment			
Preparation for a qualification exam and certification		3	exam
GENERAL SUMMARY OF THE EDUCATIONAL PROGRAM		240	

2.2. Structural-logical scheme EP



3. Form of certification of applicants for higher education

Certification of graduates of the educational program of the specialty 051 "Economics" of the specialization "Business Economics" is conducted in the form of a qualifying examination and ends with the issuance of the document of the established sample on awarding a bachelor's degree with a qualification: a higher education degree bachelor specialty "Economics" specialization "Business Economics".

The certification is carried out openly and publicly.

4. Matrix of compliance of program competencies components of the educational program

Continuation

	ББ 5.1.	ББ 5.2.	ББ 5.3.	ББ 6.1.	ББ 6.2.	ББ 6.3.	ББ 7.1.	ББ 7.2.	ББ 7.3.	ББ 7.4.	ББ 8.1.	ББ 8.2.	ББ 8.3.	ББ 9.1.	ББ 9.2.	ББ 9.3.	ББ 10.1.	ББ 10.2.	ББ 10.3.	ББ 11.1.	ББ 11.2.	ББ 11.3.
ЗК1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
ЗК2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
ЗК3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
ЗК4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
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ЗК6	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
ЗК7																						
ЗК8					+									+								
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ФК2								+	+	+		+	+	+	+	+	+	+	+	+		
ФК3								+	+	+		+	+	+	+	+	+	+	+	+		
ФК4								+	+	+		+	+	+	+	+	+	+	+	+		
ФК5								+	+	+		+	+	+	+	+	+	+	+	+		
ФК6								+	+	+		+	+	+	+	+	+	+	+	+		
ФК7	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
ФК8								+	+	+		+	+	+	+	+	+	+	+	+		
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ФК13								+	+	+		+	+	+	+	+	+	+	+	+		
ФК14					+									+								
ФК15						+														+		

5. Matrix providing program learning outcomes (RPNs) with relevant components of the curriculum

	OK 1.	OK 2.	OK 3.	OK 4.	OK 5.	OK 6.	OK 7.	OK 8.	OK 9.	OK 10.	OK 11.	OK 12.	OK 13.	OK 14.	OK 15.	OK 16.	OK 17.	OK 18.	OK 19.	OK 20.	ББ 1.1.	ББ 1.2.	ББ 1.3.	ББ 1.4.	ББ 1.5.	ББ 1.6.	ББ 1.7.	ББ 1.8.	ББ 1.9.	ББ 2.1.	ББ 2.2.	ББ 2.3.	ББ 2.4.	ББ 3.1.	ББ 3.2.	ББ 3.3.	ББ 3.4.	ББ 3.5.	ББ 3.6.	ББ 3.7.	ББ 3.8.	ББ 3.9.	ББ 4.1.	ББ 4.2.	ББ 4.3.				
ПРН1			+			+					+											+	+	+																									
ПРН2			+	+		+			+		+		+										+	+	+																			+					
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ПРН12							+	+		+	+		+	+	+	+	+	+	+	+	+	+							+					+	+		+		+			+		+			+	+	
ПРН13							+	+		+	+		+	+	+	+	+	+	+	+	+	+							+					+	+		+		+			+		+			+	+	
ПРН14							+	+		+	+		+	+	+	+	+	+	+	+	+	+							+					+	+		+		+			+		+			+	+	
ПРН15							+	+		+	+		+	+	+	+	+	+	+	+	+	+							+					+	+		+		+			+		+			+	+	
ПРН16	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
ПРН17													+					+																												+			

5. Matrix providing program learning outcomes (RPNs) with relevant components of the curriculum

Continuation

	BB 5.1.	BB 5.2.	BB 5.3.	BB 6.1.	BB 6.2.	BB 6.3.	BB 7.1.	BB 7.2.	BB 7.3.	BB 7.4.	BB 8.1.	BB 8.2.	BB 8.3.	BB 9.1.	BB 9.2.	BB 9.3.	BB 10.1.	BB 10.2.	BB 10.3.	BB 11.1.	BB 11.2.	BB 11.3.	
ПРН1			+			+					+											+	
ПРН2			+	+		+			+		+		+										+
ПРН3																							
ПРН4													+				+					+	
ПРН5															+								
ПРН6															+								
ПРН7											+		+			+						+	
ПРН8							+																
ПРН9	+																						
ПРН10								+			+		+			+					+	+	
ПРН11								+			+		+			+					+	+	
ПРН12							+	+		+	+		+	+	+	+	+	+	+	+	+	+	
ПРН13							+	+		+	+		+	+	+	+	+	+	+	+	+	+	
ПРН14							+	+		+	+		+	+	+	+	+	+	+	+	+	+	
ПРН15							+	+		+	+		+	+	+	+	+	+	+	+	+	+	
ПРН16	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
ПРН17													+					+					