

### **3. Educational Programme.**

The Head of the Project Group (Director of the Educational Programme) -  
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#### **3.1. Profile of the Educational Programme "Financial Business" in Subject Area 072 "Finance, Banking, Insurance and Stock Exchange"**

<b>1 – General Information</b>	
<b>Full name of the institution of higher education and structural unit</b>	State University of Trade and Economics, Faculty of Finance and Accounting, Department of Banking
<b>Degree of higher education and title of qualification in the original language</b>	Bachelor's degree of higher education Subject Area «Finance, Banking, Insurance and Stock Exchange»
<b>The official name of the educational programme</b>	"Financial Business"
<b>Compliance with the Standard of Higher Education of the Ministry of Education and Science of Ukraine</b>	Complies with the Standard of Higher Education of the Ministry of Education and Science of Ukraine
<b>Type of diploma and scope of educational programme</b>	Bachelor's degree, single, 240 ECTS credits, study period: 3 years 10 months
<b>Availability of accreditation</b>	Accredited, Accreditation Commission of Ukraine, until July 1, 2029.
<b>Course/ Level</b>	NFQ of Ukraine- 6 <sup>th</sup> level, FQ-EHEA – 1 <sup>st</sup> cycle, EQF-LLL – 6 <sup>th</sup> level
<b>Prerequisites</b>	– complete general secondary education, – rules of admission to the programme are regulated by the Rules of Admission to SUTE
<b>Language of</b>	Ukrainian

<b>Training</b>	
<b>Term of the educational programme</b>	Until July 1, 2028
<b>Internet address of the permanent placement of the description of the educational programme</b>	<a href="https://knute.edu.ua">https://knute.edu.ua</a>
<b>2 – The Purpose of the Educational Programme</b>	
<p>Training of highly qualified specialists with in-depth knowledge, skills and abilities in the field of financial intermediaries, who are well versed in economic and financial theory, can systematically analyze the micro- and macroeconomic environment, have the ability to make sound management decisions in conditions of uncertainty and increased risks using the necessary tools and information technology, can develop strategic and tactical programs for the development of financial intermediaries and implement various types of financial services.</p>	
<b>3 - Characteristics of the Educational Programme</b>	
<b>Subject Area</b>	<p>Object(s) of study and activity: organization, principles, mechanisms of functioning and development of financial systems.</p> <p>Training goals: training of specialists capable of solving complex specialized tasks and applied problems, which are characterized by complexity and certain uncertainty of conditions, in professional activities in the field of finance, banking and insurance and in the learning process.</p> <p>The theoretical content consists of concepts, categories, theories and concepts of financial science, which determine the trends and regularities of the functioning and development of finance, banking and insurance.</p> <p>Methods, techniques and technologies of financial science and practice.</p> <p>Tools: modern information and analytical systems and standard, special and branch software products.</p>

<b>Orientation of the Educational Programme</b>	Educational and professional. The Programme is focused on training modern, proactive and capable of rapid adaptation in the economic environment professionals.
<b>The Main Focus of the Educational Programme</b>	Special education in the field of knowledge "Management and Administration", Subject Area "Finance, Banking, Insurance and Stock Exchange". Keywords: money and credit, financial services, financial institutions, analysis of financial institutions, audit of financial institutions, financial business, financial market, protection of the rights of consumers of financial services.
<b>Features of the Programme</b>	Organization of independent studying and research work of students. Taking into account the specifics of the activities of financial services market entities. Industrial practice in financial institutions.

#### **4 – Suitability of Graduates for Employment and Further Study**

<b>Suitability for Employment</b>	<p>The graduate can work in the National Commission on Securities and Stock Market, the National Bank of Ukraine, financial, brokerage, investment, insurance, consulting companies, the companies which are the professional participants in the financial market, stock, currency, commodity exchanges, banks and more.</p> <p>The graduate is able to perform professional activity and hold positions defined by the National Classification of Ukraine "Classifier of professions DK 003: 2010", in particular:</p> <ul style="list-style-type: none"> <li>- a specialist in (exchange operations, maintaining the register of owners of registered securities, depository activities, asset management, financial and economic security), specialist-organizer of trade in the securities market, broker, dealer, stockbroker;</li> <li>- appraiser (expert appraisal of property), appraiser-expert, auctioneer (tender</li> </ul>
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	<p>administrator);</p> <ul style="list-style-type: none"> <li>- inspector (credit, exchange office, organization of collection and transportation of valuables, control over the execution of orders, payment of pensions, appointment of pensions, licensing);</li> <li>- office employee (audit, auction, accounting, cash desk, cost calculation, debt obligations, collateral and mortgage, investments, credit, valuation, statistics, securities);</li> <li>- controller (pawnshop, savings bank), controller-cashier, controller-auditor,</li> <li>- collector, bookmaker, creditor, moneylender;</li> <li>- cashier (in the bank), money changer, operator (bank);</li> <li>- assistant (of an accountant-expert, an actuary, an economist-statistician, a mathematician)</li> </ul> <p>The graduate may hold other positions in accordance with the professional titles of works characterized by special professional competencies.</p>
<b>Further Training</b>	Education according to the programmes of the second cycle of higher education (master's degree), NRC of Ukraine – 7 <sup>th</sup> level.
<b>5 – Teaching and Assessment</b>	
<b>Teaching and Studying</b>	Classroom and individual work on the basis of problem-oriented approach using modern educational technologies and methods. A combination of lectures, practical classes with the solution of situational problems and the use of case methods, business games, trainings, internships, student-centered learning, self-study, problem-oriented learning that develop practical skills, abilities and form creative thinking.
<b>Assessment</b>	According to the Regulations on the Organization of the Educational Process of Students and the Regulations on the Assessment of Learning Outcomes of Students and PhD Students of SUTE. Current survey, presentation of research work,

	essays, test tasks, internships, individual tasks. Final control is the exam. Final certification is the qualification exam.
<b>6 – Programme Competencies</b>	
<b>Integral Competence</b>	Ability to solve complex specialized tasks and practical problems in the course of professional activity in the field of finance, banking and insurance or in the learning process, which involves the use of certain methods and provisions of financial science and is characterized by uncertainty and the need to consider a set of requirements for professional and educational activities
<b>General Competencies</b>	<p>GC01. Ability to abstract thinking, analysis and synthesis</p> <p>GC02. Ability to apply knowledge in practical situations</p> <p>GC 03. Ability to plan and manage time</p> <p>GC 04. Ability to communicate in a foreign language.</p> <p>GC 05. Skills of information and communication technologies.</p> <p>GC 06. Ability to conduct research at the appropriate level</p> <p>GC07. Ability to learn and master modern knowledge.</p> <p>GC08. Ability to search, process and analyze information from various sources.</p> <p>GC09. The ability to be critical and self-critical.</p> <p>GC10. Ability to work in a team.</p> <p>GC11. Ability to communicate with representatives of other professions or groups of different levels (with experts from other fields of knowledge / types of economic activity).</p> <p>GC12. Ability to work autonomously.</p> <p>GC13. The ability to exercise their rights and responsibilities as a member of society, to realize the values of civil (free democratic) society and the need for its sustainable development, the rule of law, human and civil rights and freedoms in</p>

	<p>Ukraine.</p> <p>GC14. Ability to preserve and multiply moral, cultural, scientific values and achievements of society based on understanding the 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, technology and technology, use different types and forms of physical activity active recreation and a healthy lifestyle.</p>
<b>Special (Professional, Subject) Competencies</b>	<p>SC01. Ability to study trends in economic development using the tools of macro- and microeconomic analysis, to assess current economic phenomena.</p> <p>SC02. Understanding the features of modern world and national financial systems and their structure.</p> <p>SC03. Ability to diagnose the state of financial systems (public finance, including budget and tax systems, business finance, household finance, financial markets, banking system and insurance).</p> <p>SC04. Ability to apply economic and mathematical methods and models to solve financial problems.</p> <p>SC05. Ability to apply knowledge of legislation in the field of monetary, fiscal and financial market regulation.</p> <p>SC06. Ability to use modern information and software to obtain and process data in the field of finance, banking and insurance.</p> <p>SC07. Ability to draw reports and analyze financial statements.</p> <p>SC08. Ability to perform control functions in the field of finance, banking and insurance.</p> <p>SC09. Ability to communicate effectively.</p> <p>SC10. Ability to identify, justify and take responsibility for professional decisions.</p> <p>SC11. Ability to maintain the appropriate level of knowledge and constantly improve their training.</p> <p><i>SC12. Ability to identify key issues that arise in the process of financial intermediaries and to</i></p>

	<p><i>offer management decisions.</i></p> <p><i>SC13. Ability to apply analytical and methodological tools for evaluating, controlling and monitoring the activities of financial intermediaries.</i></p> <p><i>SC14. Ability to model different options for financial services and develop proposals for their practical implementation in the activities of domestic financial institutions.</i></p>
<b>7 – Programme Learning Outcomes</b>	
	<p>PLO01. Know and understand the economic categories, laws, causal and functional relationships that exist between processes and phenomena at different levels of economic systems.</p> <p>PLO02. Know and understand the theoretical foundations and principles of financial science, features of financial systems.</p> <p>PLO03. To determine the features of the functioning of modern world and national financial systems and their structure.</p> <p>PLO04. Know the mechanism of functioning of public finances, including budget and tax systems, business finance, household finance, financial markets, banking and insurance.</p> <p>PLO05. Have methodological tools for diagnosing the state of financial systems (public finance, including budget and tax systems, business finance, household finance, financial markets, banking system and insurance).</p> <p>PLO06. Apply appropriate economic and mathematical methods and models to solve financial problems.</p> <p>PLO07. Understand the principles, methods and tools of state and market regulation of activities in the field of finance, banking and insurance.</p> <p>PLO08. Apply specialized information systems, modern financial technologies and software products.</p> <p>PLO09. Form and analyze financial statements and correctly interpret the information obtained.</p>

	<p>PLO10. Identify sources and understand the methodology for determining and methods of obtaining economic data, collect and analyze the necessary financial information, calculate indicators that characterize the state of financial systems.</p> <p>PLO11. Have methodological tools for exercising control functions in the field of finance, banking and insurance.</p> <p>PLO12. Use professional reasoning to convey information, ideas, problems and ways to solve them to professionals and non-specialists in the financial field.</p> <p>PLO13. Have general scientific and special methods of studying financial processes.</p> <p>PLO14. Be able to think abstractly, apply analysis and synthesis to identify key characteristics of financial systems, as well as the behavior of their subjects.</p> <p>PLO15. Communicate orally and in writing in a foreign language in professional activities.</p> <p>PLO16. Apply the acquired theoretical knowledge to solve practical problems and meaningfully interpret the results.</p> <p>PLO17. Identify and plan opportunities for personal professional development.</p> <p>PLO18. Demonstrate basic skills of creative and critical thinking in research and professional communication.</p> <p>PLO19. Demonstrate skills of independent work, flexible thinking, openness to new knowledge.</p> <p>PLO20. Perform functional responsibilities in the group, offer sound financial solutions.</p> <p>PLO21. Understand the requirements for activities in the specialty, due to the need to ensure sustainable development of Ukraine, its strengthening as a democratic, social, legal state.</p> <p>PLO22. Know the rights and responsibilities as a member of society, understand the values of a free democratic society, the rule of law, human and civil rights and freedoms in Ukraine.</p>
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	<p>PLO23. Identify achievements and identify the values of society based on understanding the place of the subject area in the general system of knowledge, use different types and forms of physical activity to lead a healthy lifestyle.</p> <p><i>PLO24. Be able to develop options for management decisions based on identified problems that arise in the activities of the financial intermediary.</i></p> <p><i>PLO25. Evaluate, control and monitor the activities of the financial intermediary.</i></p> <p><i>PLO26. Model and implement in practice various types of financial services.</i></p> <p>.</p>
<b>8 – Resource Support for Programme Implementation</b>	
<b>Staffing</b>	<p>The scientific and pedagogical staff involved in the implementation of the educational component of the educational program are employees of the State University of Trade and Economics, who have a degree, academic title, professional knowledge and professional skills.</p> <p>In order to improve the professional level, all scientific and pedagogical workers undergo internships once every five years, including</p> <p>The participation of practitioners in the teaching of disciplines of the training cycle is possible.</p>
<b>Technical Support</b>	<p>Computer classes;</p> <p>Classrooms equipped with interactive whiteboards and projectors;</p> <p>Internet access, Wi-Fi in classrooms.</p>
<b>Information and Educational and Methodical Support</b>	<p>Access to international econometric databases, Regulatory framework;</p> <p>Methodological support of disciplines;</p> <p>Monographic literature, textbooks and manuals;</p> <p>Using the Learning Management System "MOODLE» and author's developments of scientific and pedagogical workers.</p>
<b>9 – Academic Mobility</b>	
<b>National Credit Mobility</b>	<p>It is provided by the legislation and is expedient when there is a need for studying (mastering) by</p>

	students of fundamentally new courses, disciplines which are not taught in basic HEI. Regulations on academic mobility have been developed.
<b>International Credit Mobility</b>	The University has concluded agreements on cooperation between SUTE and higher education institutions, within which partner exchange and training of students is carried out. In addition, international academic mobility is carried out under Erasmus + International programmes and projects, in particular with the following universities: Krakow University of Economics (Poland, Krakow), University of Szczecin (Poland, Szczecin), Audencia Business School (France) , Nantes), University of Grenoble Alps (France, Grenoble), University of Paris Est Creteil (France, Paris), University of Central Lancashire (UK, Preston), University of Hohenheim (Germany, Stuttgart), Piraeus University of Applied Sciences (Greece, Piraeus), University. Clement of Ohrid (Bulgaria, Sofia).
<b>Training of Foreign Students</b>	For foreign students, the discipline "Ukrainian language" is taught for 1-7 semesters with a separate schedule by teachers who have completed special training in teaching Ukrainian as a foreign language.

### 3.2. The List of Components of The Educational and Professional Programme and Their Logical Sequence

#### 3.2.1. List of EP Components

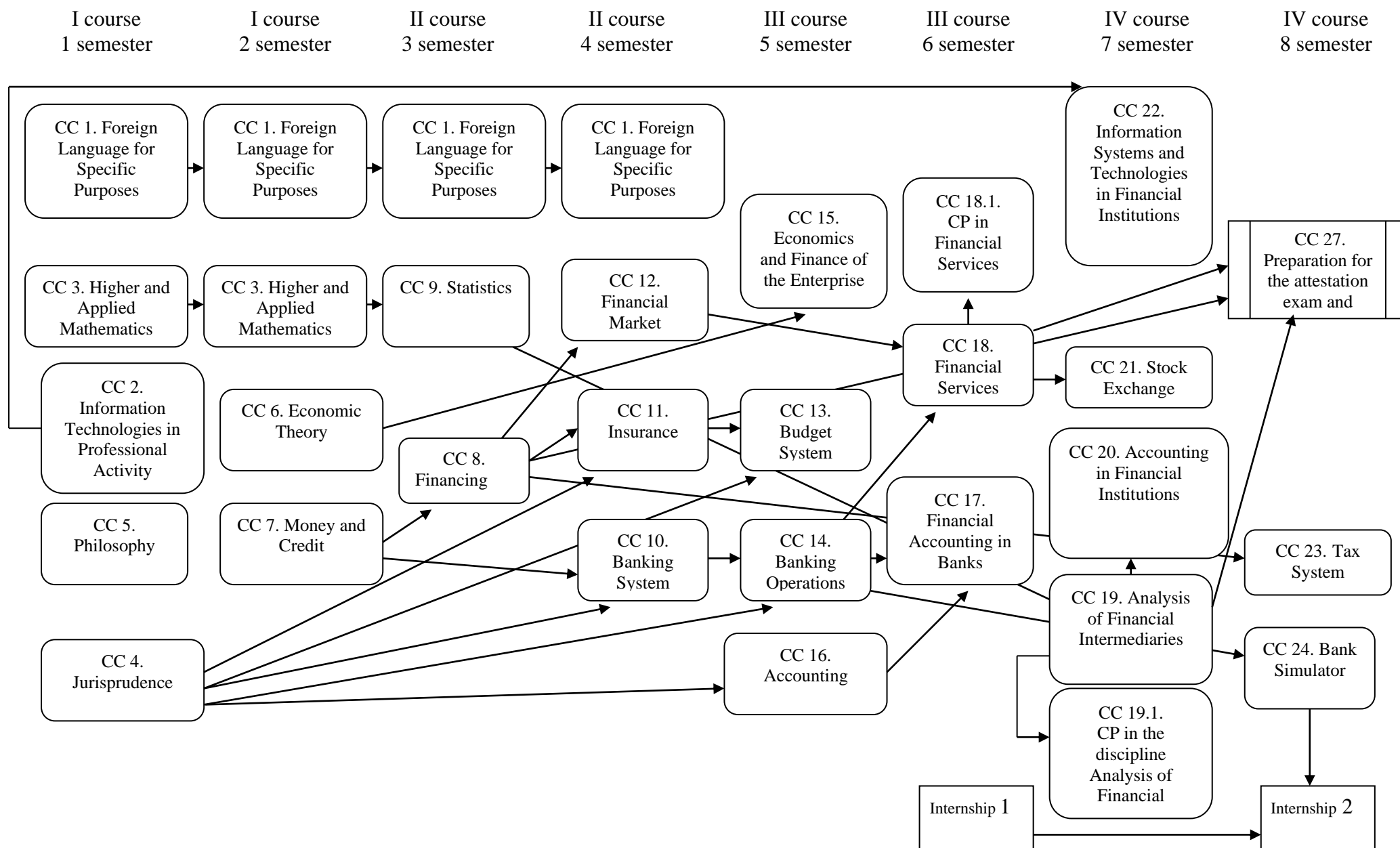
Code	Components of the educational programme (academic disciplines, course projects (works), practices, qualifying exam, final qualifying work)	Number of credits
<b>Compulsory EP components</b>		
CC 1.	Foreign Language for Specific Purposes	24
CC 2.	Information Technologies in Professional Activity	6
CC 3.	Higher and Applied Mathematics	12
CC 4.	Jurisprudence	6
CC 5.	Philosophy	6
CC 6.	Economic Theory	6
CC 7.	Money and Credit	6
CC 8.	Finance	6
CC 9.	Statistics	6

Code	Components of the educational programme (academic disciplines, course projects (works), practices, qualifying exam, final qualifying work)	Number of credits
CC 10.	Banking System	6
CC 11.	Insurance	6
CC 12.	Financial Market	6
CC 13.	Budget System	6
CC 14.	Banking Operations	6
CC 15.	Economics and Finance of the Enterprise	6
CC 16.	Accounting	6
CC 17.	Financial Accounting in Banks	6
CC 18.	Financial Services	6
CC 18.1.	CP in Financial Services	6
CC 19	Analysis of the Financial Intermediaries' Activities	
CC 19.1	CW in Analysis of the Financial Intermediaries' Activities	
CC 20.	Accounting in Financial Institutions	6
CC 21.	Stock Exchange	6
CC 22.	Information Systems and Technologies in Financial Institutions	6
CC 23.	Tax System	6
CC 24.	Bank Simulator	3
CC 25	Internship 1	6
CC 26	Internship 2	3
CC 27	Preparation for the certification exam and certification	3
<b>The total amount of compulsory components:</b>		<b>180</b>
<b>Optional Components of EP</b>		
OC 1.	Audit of Financial Intermediaries	6
OC 2.	Banking Law	6
OC 3.	Banking Statistics	6
OC 4.	Security of Life	6
OC 5.	Security of Information Systems and Networks	6
OC 6.	Business Planning	6
OC 7.	Business Law	
OC 8.	Digital marketing of financial services	6
OC 9.	Electronic Document Management	6
OC 10.	Ecology	6
OC 11.	Economic Analysis	6
OC 12.	Economy of Ukraine	6
OC 13.	Economic and Mathematical Modeling	6
OC 14.	Econometrics	6
OC 15.	Protection of Financial Services Consumers' Rights	6
OC 16.	Enterprise reporting	
OC 17.	Investing	6
OC 18.	Information Wars	6
OC 19.	Mortgage Market	6
OC 20.	History of Ukrainian Culture	6
OC 21.	Conflictology and Psychology of Business communication	6
OC 22.	Critical Thinking	6
OC 23.	Leasing	6

Code	Components of the educational programme (academic disciplines, course projects (works), practices, qualifying exam, final qualifying work)	Number of credits
OC 24.	Logics	6
OC 25.	Marketing	6
OC 26.	Management	6
OC 27.	International Credit and Currency Transactions	6
OC 28.	International Economic Relations	6
OC 29.	International Accounting and Reporting Standards	6
OC 30.	International Economic Activity of Ukraine	6
OC 31.	National interests in World Geopolitics and Geoeconomics	6
OC 32.	Fundamentals of Cyber Security	6
OC 33.	Valuation of Collateral for Bank Loans	6
OC 34.	Payment Systems	6
OC 35.	Psychology	6
OC 36.	Politology	6
OC 37.	Religious Studies	6
OC 38.	World Culture	6
OC 39.	Sociology	6
OC 40.	Probability Theory and Mathematical Statistics	6
OC 41.	Trading in Securities	6
OC 42.	Ukrainian language (by professional direction)	6
OC 43.	Managerial Accounting	6
OC 44.	Financial Mathematics	6
OC 45.	Financial Statistics	6
OC 46.	Financial and Credit Systems of Foreign Countries	6
OC 47.	Financial Analysis	6
OC 48.	Financial Monitoring	6
OC 49.	Financial Accounting	6
OC 50.	Finance Law	6
OC 51.	Communication English Tailored Course	6
OC 52.	WEB design and WEB programming	6
<b>The total amount of optional components:</b>		<b>60</b>
<b>TOTAL AMOUNT OF THE EDUCATIONAL PROGRAM</b>		<b>240</b>

For all components of the educational program, the form of final control is an exam.

### 3.2.2. Structural and logical scheme of the educational program



### **3.3. Form of certification of applicants for higher education**

Certification of bachelors in finance, banking and insurance is carried out in the form of a qualifying examination.

The qualification exam in the specialty verifies the achievement of learning outcomes defined by the Standard of Higher Education and the Educational Program.



### 3.4. Matrix of Correspondence of Programme Competencies to the Compulsory Components of The Educational Programme

Компоненты Компетентности	CC 1	CC 2	CC 3	CC 4	CC 5	CC 6	CC 7	CC 8	CC 9	CC 10	CC 11	CC 12	CC 13	CC 14	CC 15	CC 16	CC 17	CC 18	CC 18.1	CC 19	CC 19.1	CC 20	CC 21	CC 22	CC 23	CC 24	CC 25	CC 26	CC 27
GC01		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+			
GC02		+	+	+		+	+	+	+	+	+	+	+	+	+	+		+		+	+		+		+	+	+	+	+
GC03		+			+		+	+		+		+	+	+	+	+	+	+				+		+	+	+	+	+	+
GC04	+													+			+	+				+				+			
GC05		+	+				+	+	+	+	+	+	+	+	+	+	+	+		+	+	+		+	+	+	+	+	+
GC06	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+		+	+	+			+
GC07	+			+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+			+
GC08	+	+					+	+	+	+	+	+	+	+	+	+	+	+		+	+	+		+	+	+			+
GC09				+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+		+	+	+			
GC10	+									+	+	+	+	+	+	+	+	+	+	+		+			+	+	+	+	+
GC11	+					+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
GC12			+				+	+			+	+		+			+	+	+	+	+	+		+		+			
GC13				+	+			+		+	+	+	+	+			+	+				+		+	+	+			
GC14					+	+	+	+		+	+	+	+	+	+		+	+				+		+	+	+			
SC01						+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+
SC02	+						+	+		+	+	+	+	+			+	+	+	+		+			+	+	+	+	+
SC03							+	+	+	+	+	+	+	+	+	+		+	+	+	+	+		+	+	+	+	+	+
SC04		+	+						+			+		+	+		+	+		+	+	+		+		+	+	+	+
SC05							+	+		+	+	+	+	+	+	+	+	+				+	+	+	+	+	+	+	+
SC06		+	+				+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+
SC07			+							+		+		+	+	+	+	+	+	+	+	+			+	+	+	+	+
SC08							+			+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+	+	+
SC09	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+
SC10				+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+		+	+	+	+
SC11	+			+			+	+		+	+	+	+	+	+	+	+	+	+	+			+		+	+	+	+	+
SC12																	+	+	+	+	+	+	+			+	+	+	+
SC13																	+	+	+	+	+	+	+			+	+	+	+
SC14																		+	+	+	+					+	+	+	+



### 3.5. Matrix of correspondence of programme competencies to optional components of the educational programme

[illegible]

[illegible]

**3.6. Matrix for providing programme learning outcomes  
with relevant compulsory components of the educational programme**

Компоненти Програмні результати навчання	СС1	СС2	СС3	СС4	СС5	СС6	СС7	СС8	СС9	СС10	СС11	СС12	СС13	СС14	СС15	СС16	СС17	СС18	СС18.1	СС19	СС19.1	СС20	СС21	СС22	СС23	СС24	СС25	СС26	СС27
PLO01						+	+	+	+	+	+	+	+	+	+	+	+	+		+		+			+		+	+	+
PLO02						+	+	+		+	+	+	+		+										+		+	+	+
PLO03						+	+	+		+	+	+	+												+		+	+	+
PLO04						+	+	+		+	+	+	+		+									+		+		+	+
PLO05			+				+	+	+	+	+	+	+	+	+	+		+			+	+				+		+	+
PLO06		+	+						+			+		+	+		+	+			+	+	+					+	+
PLO07						+	+	+		+	+	+	+	+	+	+	+	+					+			+	+	+	+
PLO08		+					+	+	+	+	+	+	+	+	+	+	+	+			+		+		+	+	+	+	+
PLO09										+		+			+	+	+		+	+	+	+			+		+	+	+
PLO10							+	+	+	+	+	+	+	+	+	+	+	+			+	+	+	+		+		+	+
PLO11										+	+	+	+	+	+	+	+	+			+		+	+		+	+	+	+
PLO12	+					+	+	+		+	+	+	+	+	+	+		+			+			+		+	+	+	+
PLO13			+			+			+					+	+			+	+		+	+						+	+
PLO14			+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+	+
PLO15	+													+				+										+	+
PLO16		+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+
PLO17				+			+	+		+	+	+	+	+	+	+	+	+			+		+		+	+	+	+	+
PLO18	+				+	+	+	+	+	+	+	+	+		+	+	+		+	+	+	+			+	+	+	+	+
PLO19	+	+		+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+
PLO20							+	+	+	+	+	+	+	+	+	+	+	+			+		+		+	+	+	+	+
PLO21				+		+	+			+	+	+	+		+											+		+	+
PLO22				+	+																						+	+	+
PLO23					+	+	+	+		+	+		+	+	+			+								+		+	+
PLO24																	+		+	+	+	+				+	+	+	+
PLO25																	+		+	+	+	+	+			+	+	+	+
PLO26																		+	+	+	+		+				+	+	+

### 3.7. Matrix for providing programme learning outcomes with appropriate optional components of the educational programme

Компоненти Програмні результати навчання	Компоненти																																																					
	OC 1	OC 2	OC 3	OC 4	OC 5	OC 6	OC 7	OC 8	OC 9	OC 10	OC 11	OC 12	OC 13	OC 14	OC 15	OC 16	OC 17	OC 18	OC 19	OC 20	OC 21	OC 22	OC 23	OC 24	OC 25	OC 26	OC 27	OC 28	OC 29	OC 30	OC 31	OC 32	OC 33	OC 34	OC 35	OC 36	OC 37	OC 38	OC 39	OC 40	OC 41	OC 42	OC 43	OC 44	OC 45	OC 46	OC 47	OC 48	OC 49	OC 50	OC 51	OC 52		
PLO01												+				+	+	+	+				+						+				+												+									
PLO02																	+		+				+					+																		+								
PLO03								+									+						+		+		+	+	+	+					+												+							
PLO04			+												+				+																+										+	+								
PLO05			+		+					+	+		+						+				+																					+		+								
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PLO09	+					+										+							+							+			+													+		+						
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PLO12	+	+	+			+		+			+			+	+		+		+		+					+								+	+						+	+	+	+	+				+					
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PLO15								+	+																	+		+	+																						+			
PLO16	+					+	+		+						+		+		+				+							+		+		+	+				+			+	+	+	+			+	+					
PLO17		+	+				+			+			+				+				+	+	+		+	+		+							+				+					+					+					
PLO18			+			+				+			+				+	+	+		+	+	+			+						+	+										+		+						+			
PLO19	+	+	+				+		+	+			+				+	+	+	+	+	+	+	+	+	+	+	+			+	+	+					+			+							+		+				
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PLO21		+	+							+			+				+		+	+	+										+				+		+								+				+					
PLO22		+	+				+			+	+			+	+							+												+		+	+		+					+					+			+		
PLO23		+	+	+				+		+	+			+								+				+									+				+					+					+			+		
PLO24	+					+		+											+				+			+		+							+								+				+							
PLO25	+																						+			+									+				+		+			+	+	+								
PLO26	+						+																+			+									+						+													

