

3. Educational programme

Project team leader (Director of the Bachelor's degree educational programme)
- Serazhym Yu.V., PhD in Economics , Associate Professor of the
Department of Banking .

3.1. Profile of educational programme "Banking business" of subject area 072 "Finance, banking, insurance and stock market"

| 1 – General information | |
|--|---|
| Full name of the higher educational establishment and the structural unit | State University of Trade and Economics, Faculty of Finance and Accounting, department of banking |
| Level of higher education and qualification name in the original language | Bachelor's degree, subject area "Finance, banking, insurance and stock market" |
| The official name of educational programme | "Banking business" |
| Compliance with the standard of higher education of the Ministry of Education of Ukraine | Corresponds to the Standard of higher education of the Ministry of Education of Ukraine |
| Type of diploma and volume of the educational programme | Bachelor's degree, single, 240 ECTS credits, study period 3 years 10 months |
| Accreditation | Accredited, Accreditation Commission of Ukraine, Ukraine, to 01.07.2029. |
| Cycle / Level | NQF of Ukraine (National Qualifications Framework of Ukraine) - level 6, FQ for EHEA – first cycle, EQF for LLL – level 6 |
| Prerequisites | -complete general secondary education; - the rules of admission to the programme are regulated by the Rules of admission of SUTE |
| Language(s) of Training | Ukrainian |
| Programme validity period | until July 1, 2029 |
| Internet address for permanent placement of the educational programme description | https://knute.edu.ua |
| 2 – The purpose of the educational programme | |
| Training of specialists capable to solve the complex specialized tasks and applied problems, which are characterized by complexity and certain uncertainty of conditions in professional | |

| | |
|---|--|
| activity in banking sector, taking into account the requirements for socially important qualities and qualifications of the specialist. | |
| 3 - Educational Programme Characteristics | |
| Subject area | <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 to solve the 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> <p>.</p> |
| Orientation of the educational programme | Educational professional |
| Main focus of the educational programme | <p>General education in the subject area "Finance, banking, insurance and stock market" of the field of study "Management and administration", educational programme "Banking business" for the academic degree "Bachelor".</p> <p>Keywords: money and credit, bank, banking system, banking operations, analysis of bank activity, bank security, bank reporting, bank management, international bank settlements, payment systems, bank audit, financial monitoring, information banking technologies.</p> |
| Features of the programme | Two internships in banks and obtaining a certificate upon completion of online training in bank institutions as a part of studying the discipline "Educational Bank". |
| 4 – Graduates’ suitability for employment and further learning | |
| Suitability for employment | <p>Bachelor of subject area 072 "Finance, banking, insurance and stock market" under the educational programme "Banking business" can work in banks, the National Bank of Ukraine, the Deposit Guarantee Fund, credit bureaus, credit institutions and payment institutions, the Independent Association of Banks of Ukraine and other professional associations.</p> <p>The bachelor is able to perform professional work and hold the positions defined by the National Classification of Ukraine "Classifier of professions DK 003: 2010", in particular:</p> <p>1210.1 Heads of enterprises, institutions and organizations (Director of the branch. Director of the branch (branch). Manager (director, other head) of a commercial bank).</p> <p>1231 Heads of financial, accounting, economic, legal and administrative departments and other managers (Director of Economics. Financial Director. Chief Economist. Chief Cashier. Cashier. Head (Director, Executive Director, Chief, etc.) of the relevant activity of the banking institution) .</p> |

| | |
|------------------------------------|--|
| | <p>1461 Managers (managers) in the field of monetary intermediation. 1462 Managers (managers) in the field of financial leasing. 1463 Credit managers (managers). 1465 Managers (managers) in the field of life insurance and savings. 1467 Managers (managers) in ancillary activities in the field of finance. 1469 Managers (managers) in other types of financial intermediation. 2413 Securities Professionals (Securities Trading Professional). 2414 Professionals on financial and economic security of enterprises, institutions and organizations (Analyst on financial and economic security. Professional on financial and economic security). 2419 Professionals in the field of civil service, marketing, economic efficiency, rationalization of production, intellectual property and innovation (Responsible employee of the bank (branch (branch) of the bank, other financial institution). 2441 Professionals in economics (Analyst (banking). Investment analyst. Lending analyst. Economist. Financial economist. Planning economist. Economic advisor. Economic consultant). 3411 Dealers (exchange traders at their own expense) and brokers (intermediaries) in mortgage and financial transactions (Broker. Dealer. Specialist in exchange operations. Specialist in corporate governance. Specialist in financial and economic security. Specialist-organizer of trading in the securities market). 3419 Other specialists in the field of finance and trade (Inspector for the organization of collection and transportation of valuables. Inspector of credit. Inspector of the exchange office). 3431 Secretaries of administrative bodies (Secretary of the board. Secretary of the committee (organizations, enterprises, institutions)). 3433 Accountants and cashiers-experts (Accountant. Cashier-expert. Assistant accountant-expert). 3436 Assistants to managers (Assistant to the head of the enterprise. Referent). 4122 Statisticians-accountants and office workers engaged in financial transactions (Office clerk (debt obligations). Office clerk (pledge and mortgage). Office clerk (investment). Office clerk (credit). Office clerk (statistics). Office clerk) securities)). 4212 Cashiers in banks and collectors (Collector. Cashier (in the bank). Cashier-operator of the automated banknote processing system. Cashier-operator. Bank controller. Money exchanger. Operator (bank)). 2310.2 Other teachers of universities and higher educational establishments. 2320 Teachers of secondary schools.</p> |
| Further learning | Opportunity to study in the seventh level. |
| 5 – Teaching and assessment | |
| Teaching and training | <ul style="list-style-type: none"> - student-centered education, where the center is the student who has to use the acquired competencies and find a place on the labor market in unpredictable conditions; - self-study – the student's independent educational and cognitive activity in an organic connection with the educational process, which allows to acquire the skills of independent acquisition of knowledge in professional life to increase the level of his professional competences and improve his professional skills; |

| | |
|--|--|
| | - problem-oriented training, which forms the student's ability to solve a complex of specialized tasks and practical problems in the field of professional activity in banking. |
| Assessment | According to the Regulation on the organization of the educational process of students. Regulations on evaluation of student's learning outcomes and postgraduates of SUTE. Current survey, presentations of research work, essays, tests, internships, individual and group tasks. Final control - exam. Final attestation- an attestation exam. |
| 6 – Programme competences | |
| Integral competence | Ability to solve complex specialized tasks and practical problems in the course of professional activity in the area 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. |
| General competences | GC01. Ability to abstract thinking, analysis and synthesis. GC02. Ability to apply knowledge in practical situations. GC 03. Ability to plan and manage time. GC 04. Ability to communicate in a foreign language. GC 05. Information and communication technology skills. GC 06. Ability to conduct research at the appropriate level. GC 07. Ability to learn and master modern knowledge. GC 08. Ability to search, process and analyze information from various sources. GC 09. The ability to be critical and self-critical. GC 10. Ability to work in a team. GC 11. Ability to communicate with representatives of other professions of groups of different levels (with experts from other fields of knowledge / types of economic activity). GC 12. Ability to work autonomously. GC 13. 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 Ukraine. GC 14. 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 physical activity for active recreation and a healthy lifestyle. |
| Special (professional, subject) competences | SC01. The ability to investigate the trends in economic development using the tools of macro- and microeconomic analysis, to evaluate modern economic phenomena. SC02. Understanding the peculiarities of the functioning of modern global and national financial systems and their structure. SC03. Ability to diagnose the state of financial systems (state finances, including budget and tax systems, finances of economic entities, household finances, financial markets, banking system and insurance). SC04. Ability to apply economic and mathematical methods and models to solve financial problems. |

| | |
|--|--|
| | <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 compile and analyze the financial statements.</p> <p>SC08. Ability to perform the control functions in the area of finance, banking and insurance.</p> <p>SC09. Ability to communicate effectively.</p> <p>SC10. Ability to determine, justify and take responsibility for professional decisions.</p> <p>SC11. The ability to maintain an appropriate level of knowledge and constantly improve one's professional training.</p> <p>SC 12. <i>Ability to provide banking and other financial services in national and foreign currency.</i></p> <p>SC13. <i>Ability to use special information and software to model the operational activities of the bank and internal control during its implementation.</i></p> <p>SC14. <i>Understanding the organizational structure of the bank and the ability to implement its strategy, personnel policy, staff motivation system and management.</i></p> |
| 7 – Programme learning outcomes | |
| | <p>PLO 1. Know and understand the economic categories, laws, causal and functional relationships exist between processes and phenomena at different levels of economic systems.</p> <p>PLO 2. Know and understand the theoretical foundations and principles of financial science, the peculiarities of the functioning of financial systems.</p> <p>PLO 3. To determine the features of the functioning of modern world and national financial systems and their structure.</p> <p>PLO 4. Know the mechanism of functioning of public finances, including budget and tax systems, business finance, household finance, financial markets, banking and insurance.</p> <p>PLO 5. To have methodical tools for diagnosing the state of financial systems (state finances, including budget and tax systems, finances of business entities, household finances, financial markets, banking system and insurance).</p> <p>PLO 6. Apply appropriate economic and mathematical methods and models to solve financial problems.</p> <p>PLO 7. Understand the principles, methods and tools of state and market regulation of activities in the area of finance, banking and insurance.</p> <p>PLO 8. Apply specialized information systems, modern financial technologies and software products.</p> <p>PLO 9. Form and analyze financial statements and interpret correctly the obtained information.</p> <p>PLO10. Identify the sources and understand the methodology of determination and methods of obtaining economic data, collect and analyze the necessary financial information, calculate indicators characterizing the state of financial systems.</p> <p>PLO11. To have methodical tools for the implementation of control functions in the area of finance, banking and insurance.</p> <p>PLO12. Use professional argumentation to convey information, ideas,</p> |

| | |
|--|--|
| | <p>problems and ways to solve them to specialists and non-specialists in the financial sphere of activity.</p> <p>PLO13. To have general scientific and special methods of researching financial processes.</p> <p>PLO14. Be able to think abstractly, apply analysis and synthesis to identify the key characteristics of financial systems, as well as the peculiarities of 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 tasks and to interpret meaningfully the obtained results.</p> <p>PLO17. Identify and plan opportunities for personal professional development.</p> <p>PLO18. Demonstrate the basic creative and critical thinking skills in research and professional communication.</p> <p>PLO19. Demonstrate the skills of self-study work, flexible thinking, openness to new knowledge.</p> <p>PLO20. Perform functional duties 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 their 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> <p>PLO23. Determine 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 motor activity to lead a healthy lifestyle.</p> <p>PLO24. <i>Be able to provide banking and other financial services in national and foreign currency.</i></p> <p>PLO25. <i>Understand the principles of building the bank's operational activities, the relationships between its divisions, the procedures for passing, verifying and authorizing documents for the bank's client and own operations.</i></p> <p>PLO26. <i>Know the process of bank management, development and implementation of banking strategy, organizational structure of the bank, personnel policy and staff motivation.</i></p> |
| 8 – Resource support for the programme implementation | |
| Personnel support | <p>The scientific and pedagogical specialists involved in the implementation of the educational component of the educational programme are employees of State University of Trade and Economics, who have a degree and / or 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 foreign ones.</p> <p>The participation of practitioners in the teaching of disciplines of the training cycle is possible.</p> |
| Material and technical support | <p>Computer classes;</p> <p>Classrooms equipped with interactive whiteboards and projectors;</p> <p>Internet access, Wi-fi in classrooms.</p> |

| | |
|---|---|
| Informational and teaching-methodical support | <p>Access to international econometric databases; Regulatory framework; Methodical support of disciplines; Monographic literature, handbooks and coursebooks.</p> <p>Use of the "MOODLE" learning management system and author's developments of scientific and pedagogical workers.</p> |
| 9 – Academic mobility | |
| National credit mobility | It is prescribed by legislation and it is appropriate when there is a need for students to study (mastering) fundamentally new courses, disciplines which are not taught in basic higher educational establishment. Provisions on academic mobility have been developed. |
| International credit mobility | The University has concluded agreements on cooperation between SUTE and higher educational institutions, within the framework of which partner exchange and student training 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), Hohenheim University (Germany, Stuttgart), Piraeus University of Applied Sciences (Greece, Piraeus), University of Piraeus named by Klyment Ohrydskyi (Bulgaria, Sofia). |
| Training of foreign students of higher education | 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. List of educational programme components and their logical sequence.

3.2.1. List of courses EP

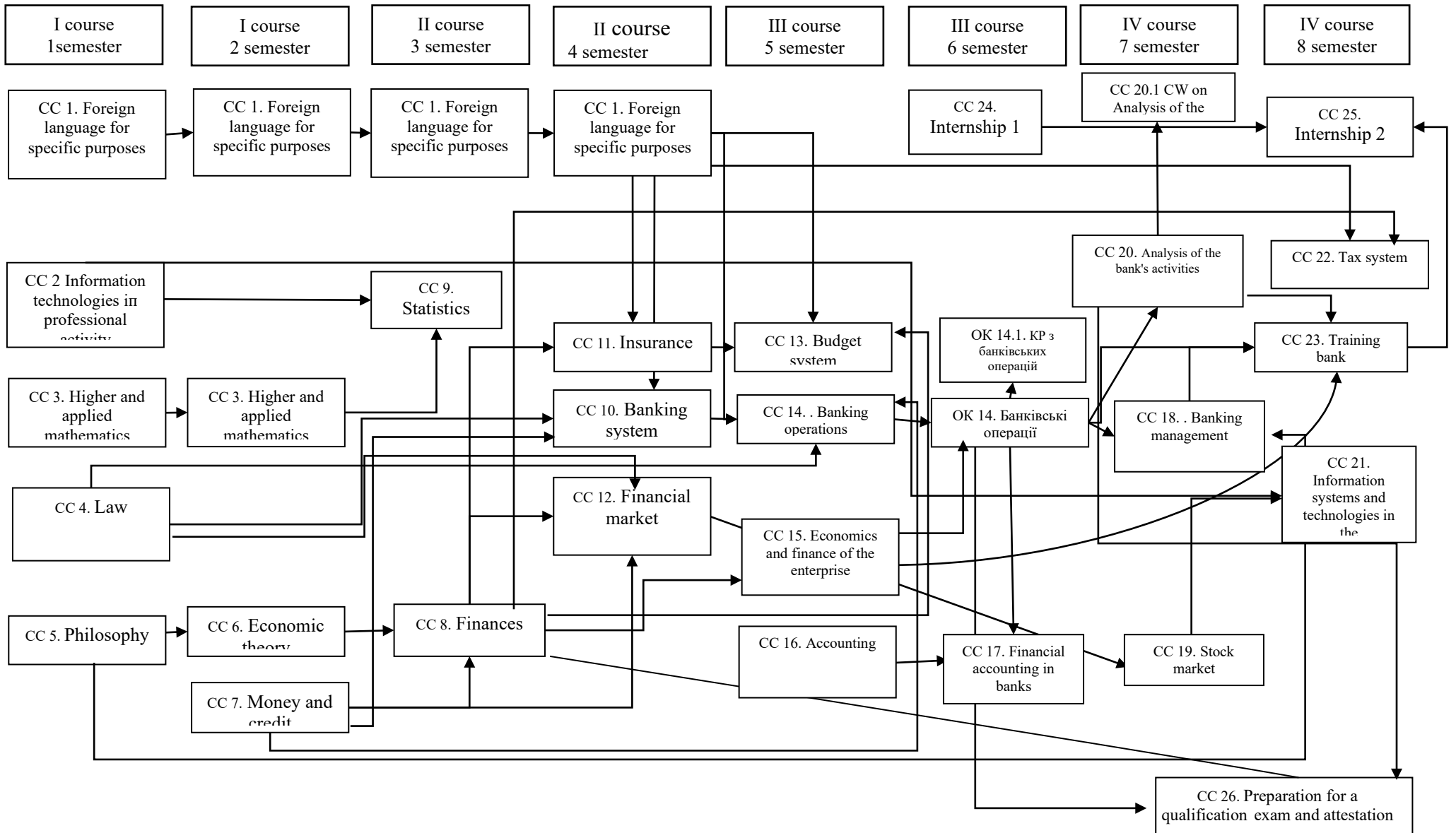
| Code n/a | Components of the educational programme (educational courses, course projects (works), internships, qualification exam, final qualification work) | Number of credits |
|---------------------------------|---|-------------------|
| 1 | 2 | 3 |
| Compulsory Components EP | | |
| CC 1. | Foreign language for specific purposes | 24 |
| CC 2. | Information technologies in professional activity | 6 |
| CC 3. | Higher and applied mathematics | 12 |
| CC 4. | Law | 6 |
| CC 5. | Philosophy | 6 |
| CC 6. | Economic theory | 6 |
| CC 7. | Money and credit | 6 |
| CC 8. | Finances | 6 |
| CC 9. | Statistics | 6 |
| CC 10. | Banking system | 6 |

| | | |
|--|--|------------|
| CC 11. | Insurance | 6 |
| CC 12. | Financial market | 6 |
| CC 13. | Budget system | 6 |
| CC 14. | Banking operations | 12 |
| CC 14.1 | CW on Banking operations | |
| CC 15. | Economics and finance of the enterprise | 6 |
| CC 16. | Accounting | 6 |
| CC 17. | Financial accounting in banks | 6 |
| CC 18. | Banking management | 6 |
| CC 19. | Stock market | 6 |
| CC 20. | Analysis of the bank's activities | 6 |
| CC 20.1 | CW on Analysis of the bank's activities | |
| CC 21. | Information systems and technologies in the banking sector | 6 |
| CC 22. | Tax system | 6 |
| CC 23. | Training bank | 3 |
| CC 24. | Internship 1 | 6 |
| CC 25. | Internship 2 | 6 |
| CC 26. | Preparation for a qualification exam and attestation | 3 |
| Total volume of compulsory components : | | 180 |
| Elective Components EP | | |
| EC 1. | Banking security | 6 |
| EC 2. | Banking statistics | 6 |
| EC 3. | Banking law | 6 |
| EC 4. | Life safety | 6 |
| EC 5. | Security of information systems and networks | 6 |
| EC 6. | Business planning | 6 |
| EC 7. | Commercial law | 6 |
| EC 8. | Digital marketing of financial services | 6 |
| EC 9. | Ecology | 6 |
| EC 10. | Ukraine economy | 6 |
| EC 11. | Economic and mathematical modeling | 6 |
| EC 12. | Economic analysis | 6 |
| EC 13. | Electronic document management | 6 |
| EC 14. | Protection of the consumers rights of financial services | 6 |
| EC 15. | Bank reporting | 6 |
| EC 16. | Enterprise reporting | 6 |
| EC 17. | Investment | 6 |
| EC 18. | Information wars | 6 |
| EC 19. | Mortgage market | 6 |
| EC 20. | History of Ukrainian Culture | 6 |
| EC 21. | Control and audit in the bank | 6 |
| EC 22. | Conflictology and psychology of business communication | 6 |

| | | |
|--|---|------------|
| EC 23. | Critical thinking | 6 |
| EC 24. | Logic | 6 |
| EC 25. | Marketing | 6 |
| EC 26. | Management | 6 |
| EC 27. | International economic activity of Ukraine | 6 |
| EC 28. | International Economic Relations | 6 |
| EC 29. | International credit and settlement and currency transactions | 6 |
| EC 30. | National interests in world geopolitics and geoeconomics | 6 |
| EC 31. | Fundamentals of cyber security | 6 |
| EC 32. | Valuation of collateral for bank loans | 6 |
| EC 33. | Payment systems | 6 |
| EC 34. | Politology | 6 |
| EC 35. | Psychology | 6 |
| EC 36. | Religious studies | 6 |
| EC 37. | World culture | 6 |
| EC 38. | Probability theory and mathematical statistics | 6 |
| EC 39. | Trading in securities | 6 |
| EC 40. | Ukrainian language (for specific purposes) | 6 |
| EC 41. | Managerial Accounting | 6 |
| EC 42. | Financial mathematics | 6 |
| EC 43. | Finance law | 6 |
| EC 44. | Financial analysis | 6 |
| EC 45. | Financial monitoring | 6 |
| EC 46. | Financial Accounting | 6 |
| EC 47. | Financial and credit systems of foreign countries | 6 |
| EC 48. | Target communicative English language course | 6 |
| EC 49. | WEB-design and WEB-programming | 6 |
| Total volume of elective components : | | 60 |
| TOTAL VOLUME OF THE EDUCATIONAL PROGRAMME | | 240 |

The exam is a form of final control for all components of the educational programme.

3.2.2. Structural and logical scheme of EP



3.3. Form of applicants attestation of higher education

Attestation of bachelor's degree applicants in finance, banking, insurance and the stock market is carried out in the form of an attestation exam.

The attestation exam should provide for the assessment of the achievement of learning outcomes defined by the Standard of Higher Education of Ukraine and the educational and professional programme.

3.4.1 Matrix of correspondence of programme competences compulsory components of the educational programme

| Components Competences | CC1 | CC2 | CC3 | CC4 | CC5 | CC6 | CC7 | CC8 | CC9 | CC10 | CC11 | CC12 | CC13 | CC14 | CC14.1 | CC15 | CC16 | CC17 | CC18 | CC19 | CC20 | CC20.1 | CC21 | CC22 | CC23 | CC24 | CC25 | CC26 |
|---------------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|--------|------|------|------|------|------|------|--------|------|------|------|------|------|------|
| | 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 provision of programme competences correspondig elective components of the educational programme

| Components \ Competences | EC 1 | EC 2 | EC 3 | EC 4 | EC 5 | EC 6 | EC 7 | EC 8 | EC 9 | EC 10 | EC 11 | EC 12 | EC 13 | EC 14 | EC 15 | EC 16 | EC 17 | EC 18 | EC 19 | EC 20 | EC 21 | EC 22 | EC 23 | EC 24 | EC 25 | EC 26 | EC 27 | EC 28 | EC 29 | EC 30 | EC 31 | EC 32 | EC 33 | EC 34 | EC 35 | EC 36 | EC 37 | EC 38 | EC 39 | EC 40 | EC 41 | EC 42 | EC 43 | EC 44 | EC 45 | EC 46 | EC 47 | EC 48 | EC 49 | | | | | | |
|--------------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|---|---|---|---|--|
| 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 | + | | | | | | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

3.6. Matrix of provision of programme learning outcomes corresponding compulsory components of the educational programme

| Components Program learning outcomes | CC1 | CC2 | CC3 | CC4 | CC5 | CC6 | CC7 | CC8 | CC9 | CC10 | CC11 | CC12 | CC13 | CC14 | CC14I | CC15 | CC16 | CC17 | CC18 | CC19 | CC20 | CC20I | CC21 | CC22 | CC23 | CC24 | CC25 | CC26 | |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|-------|------|------|------|------|------|------|-------|------|------|------|------|------|------|---|
| PLO1 | | | | | | + | + | + | + | + | + | + | + | + | + | + | + | + | | | + | | | + | | + | + | + | |
| PLO2 | | | | | | + | + | + | | + | + | + | + | | | | | | | | | | | | + | | + | + | + |
| PLO3 | | | | | | + | + | + | | + | + | + | + | | | | | | | | | | | | + | | + | + | + |
| PLO4 | | | | | | + | + | + | | + | + | + | + | | | + | | | | | + | | | | + | | + | + | + |
| PLO5 | | | + | | | | + | + | + | + | + | + | + | | | + | + | | | | | + | + | | + | | + | + | + |
| PLO6 | | + | + | | | | | | + | | | + | | + | | + | | + | | | | + | + | | | | + | + | + |
| PLO7 | | | | | | + | + | + | | + | + | + | + | + | | | + | + | | | + | + | + | | + | + | + | + | + |
| PLO8 | | + | | | | | + | + | + | + | + | + | + | + | | | + | + | | | | | | + | + | + | + | + | + |
| PLO9 | | | | | | | | | | + | | + | | + | + | + | + | + | | | | + | + | | + | | + | + | + |
| PLO10 | | | | | | | + | + | + | + | + | + | + | + | + | + | + | + | | | + | + | + | | + | | + | + | + |
| PLO11 | | | | | | | | | | + | + | + | + | + | | | + | + | + | | | + | | | + | + | + | + | + |
| PLO12 | + | | | | | + | + | + | | + | + | + | + | + | | | + | | + | | | + | | | + | + | + | + | + |
| PLO13 | | | + | | | + | | | + | | | | | + | + | | | | | | | + | + | | | | + | + | + |
| PLO14 | | | + | | + | + | + | + | + | + | + | + | + | + | + | | + | + | + | | | + | + | | + | + | + | + | + |
| PLO15 | + | | | | | | | | | | | | | | | | | | | | | | | | | | + | + | + |
| PLO16 | | + | + | + | | + | + | + | + | + | + | + | + | + | | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| PLO17 | | | | + | | | + | + | | + | + | + | + | + | | | + | + | + | | | + | | + | + | + | + | + | + |
| PLO18 | + | | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | + | + | | + | + | + | + | + |
| PLO19 | + | + | | + | + | | + | + | + | + | + | + | + | + | + | + | + | + | + | | | + | + | + | + | + | + | + | + |
| PLO20 | | | | | | | + | + | + | + | + | + | + | + | | + | + | + | + | | | + | | + | + | + | + | + | + |
| PLO21 | | | | + | | + | + | | | + | + | + | + | + | | | | | | | | | | | + | | + | + | + |
| PLO22 | | | | + | + | | | | | | | | | | | | | | | | | | | | | | + | + | + |
| PLO23 | | | | | + | + | + | + | | + | + | | + | + | | | | | | + | | | | | + | | + | + | + |

