

3. Educational program

Program team manager (program guarantor) is Candidate of Economic Sciences, Assoc. Professor of the Department of Banking

U.V. Serazhim

3.1. Profile of educational program in specialty 072 “Finance, banking and insurance” (specialization "Banking")

1 – General Information	
Full name of HEI (Higher Educational Institution) and structural unit	Kyiv National University of Trade and Economics, Faculty of Finance and Banking, Department of Banking
Level of higher education and qualification name in the original language	Bachelor's degree Specialty «Finance, Banking and Insurance» specialization «Banking»
Educational program official name	«Banking»
Diploma type and volume of the program	Bachelor's diploma, single, 240 ECTS credits, training period 3 years 10 months
Accreditation	Accredited, Accreditation Commission of Ukraine, Ukraine, to 01.07.2024
Cycle / Level	NQF of Ukraine (National Qualifications Framework of Ukraine) – sixth level, FQ-EHEA – first cycle, EQF-LLL– sixth level
Preconditions	– general upper secondary education; – the program admission criteria are regulated by the Statute of admittance to KNUTE
Languages of instruction	Ukrainian
Program validity period	to 01.07.2024

Internet address for permanent placement of the program description	https://knute.edu.ua
2 – Educational Program objectives	
<p>Training of specialists capable of solving complex specialized tasks and applied problems, which are characterized by complexity and a certain uncertainty of conditions in professional activity in the banking sector, taking into account the requirements for socially important qualities and qualifications of the specialist.</p>	
3 - Educational Program Characteristics	
Subject Area (field of knowledge, speciality, specialization)	<p>Field of knowledge 07 “Management and Administration”</p> <p>Specialty 071 “Finance, Banking and Insurance”</p> <p>Specialization “Banking”</p>
Educational program orientation	Educational and professional
Main focus of the educational program and specialization	<p>General education in the subject subfield "Finance, Banking and Insurance" in the field of knowledge "Management and Administration", specialization "Banking" with a bachelor's degree.</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 program	Two internships in banks and obtaining a certificate at the end of online training in banking institutions in the study of the discipline «Educational Bank»
4 – Graduates’ suitability for employment and further learning	
Suitability for employment	<p>Bachelor of specialty 072 "Finance, Banking and Insurance" in the educational program "Banking" 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 positions defined by the National Classification of Ukraine "Classifier of</p>

professions DK 003: 2010", in particular:

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).

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) .

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.
Further learning	Opportunity to study in the seventh level.
5 – Teaching and Assessment	
Teaching and training	<p>-student-centered education, where the center is a student who has to use the acquired competencies to find a place in the labor market in unpredictable conditions;</p> <ul style="list-style-type: none"> - self-study - independent educational and cognitive activity of the student in organic connection with the educational process, which allows to acquire skills of independent acquisition of knowledge in professional life to increase the level of his professional competencies and improve his professional skills; - problem-oriented learning, which forms the student's ability to solve complex specialized problems and practical problems in the field of professional activity in banking
Assessment	<p>Assessment is carried out in accordance with the "Regulations on organization of educational process of students" and "Regulations on the assessment of learning outcomes of students and graduate students."</p> <p>Current survey, presentations of research work, essays, tests, internships, individual and group tasks. Final control - exam. Final certification - attestation exam.</p>
6 –Competences	
Integral competence (IC)	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.
General competencies (GC)	<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. Information and communication technology skills.</p> <p>GC 06. Ability to conduct research at the appropriate level.</p> <p>GC 07. Ability to learn and master modern knowledge.</p> <p>GC 08. Ability to search, process and analyze information from various sources.</p> <p>GC 09. The ability to be critical and self-critical.</p> <p>GC 10. Ability to work in a team.</p>

	<p>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).</p> <p>GC 12. Ability to work autonomously.</p> <p>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.</p> <p>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.</p>
<p>Professional Competences (PC)</p>	<p>PC01. Ability to study trends in economic development using the tools of macro- and microeconomic analysis, to assess current economic phenomena.</p> <p>PC 02. Understanding the features of modern world and national financial systems and their structure.</p> <p>PC 03. 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>PC 04. Ability to apply economic and mathematical methods and models to solve financial problems.</p> <p>PC 05. Ability to apply knowledge of legislation in the field of monetary, fiscal and financial market regulation.</p> <p>PC 06. Ability to use modern information and software to obtain and process data in the field of finance, banking and insurance.</p> <p>PC 07. Ability to prepare and analyze financial statements.</p> <p>PC 08. Ability to perform control functions in the field of finance, banking and insurance.</p> <p>PC 09. Ability to communicate effectively.</p> <p>PC 10. Ability to identify, justify and take responsibility for professional decisions.</p> <p>PC 11. Ability to maintain the appropriate level of knowledge and constantly improve their training.</p> <p>PC 12. <i>Ability to provide banking and other financial services in national and foreign currency.</i></p>

	<p><i>PC 13. Ability to use special information and software to model the operational activities of the bank and internal control during its implementation.</i></p> <p><i>PC 14. Understanding the organizational structure of the bank and the ability to implement its strategy, personnel policy, staff motivation system and management.</i></p>
7 – Program Learning Outcomes (PLO)	
	<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>PLO 12. Use professional reasoning to convey information, ideas, problems and ways to solve them to professionals and non-specialists in the financial field.</p>

PLO 13. Have general scientific and special methods of studying financial processes.

PLO 14Be able to think abstractly, apply analysis and synthesis to identify key characteristics of financial systems, as well as the behavior of their subjects.

PLO 15. Communicate orally and in writing in a foreign language in professional activities.

PLO16. Apply the acquired theoretical knowledge to solve practical problems and meaningfully interpret the results.

PLO17. Identify and plan opportunities for personal professional development.

PLO18. Demonstrate basic skills of creative and critical thinking in research and professional communication.

PLO19. Demonstrate skills of independent work, flexible thinking, openness to new knowledge.

PLO20. Perform functional responsibilities in the group, offer sound financial solutions.

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.

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.

PLO23. Identify achievements and identify the values of society based on understanding the place of the subject area in the overall knowledge, use different types and forms of physical activity to lead a healthy lifestyle.

PLO 24. Be able to provide banking and other financial services in national and foreign currency.

PLO25. Understand the principles of building the operational activities of the bank, the relationship between its departments, the procedures for passing, verification and authorization of documents for customer and own operations of the bank.

PLO26. Know the process of bank management, development and implementation of banking strategy, organizational and financial structure of the bank, personnel policy and staff motivation.

8 – Resource support for program implementation

Staff

The scientific and pedagogical specialists involved in the implementation of the educational component of the educational program are employees of the Kyiv National University of Trade and

	<p>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>Auditoriums equipped with interactive whiteboards and projectors;</p> <p>Internet access, Wi-fi in classrooms.</p>
Information and educational and methodical support	<p>Access to international econometric databases;</p> <p>Regulatory framework;</p> <p>Methodical support of disciplines;</p> <p>Monographic literature, textbooks and manuals.</p> <p>Use of the Learning Management System “MOODLE” and author's developments of scientific and pedagogical workers.</p>
9 – Academic mobility	
National credit mobility	<p>It is provided by the legislation and is expedient when there is a need for studying (mastering) by students of fundamentally new courses, disciplines. Regulations on academic mobility have been developed.</p>
International credit mobility	<p>The University has concluded agreements on cooperation between KNUTE 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 programs 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 Kliment Ohridski (Bulgaria, Sofia)</p>
Training of overseas students	<p>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.</p>

3.2. List of educational program components and their logical sequence.

3.2.1. List of EP components

Code	Components of the educational program (academic disciplines, term projects (papers), placement, qualification exam, final qualification work)	Number of credits
1	2	3
Compulsory components (CC)		
CC 1.	Foreign language for specific use	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.	The tax system	6
CC 12.	Financial market	6
CC 13.	Insurance	6
CC 14.	Banking operations	12
CC 14.1	Theses 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

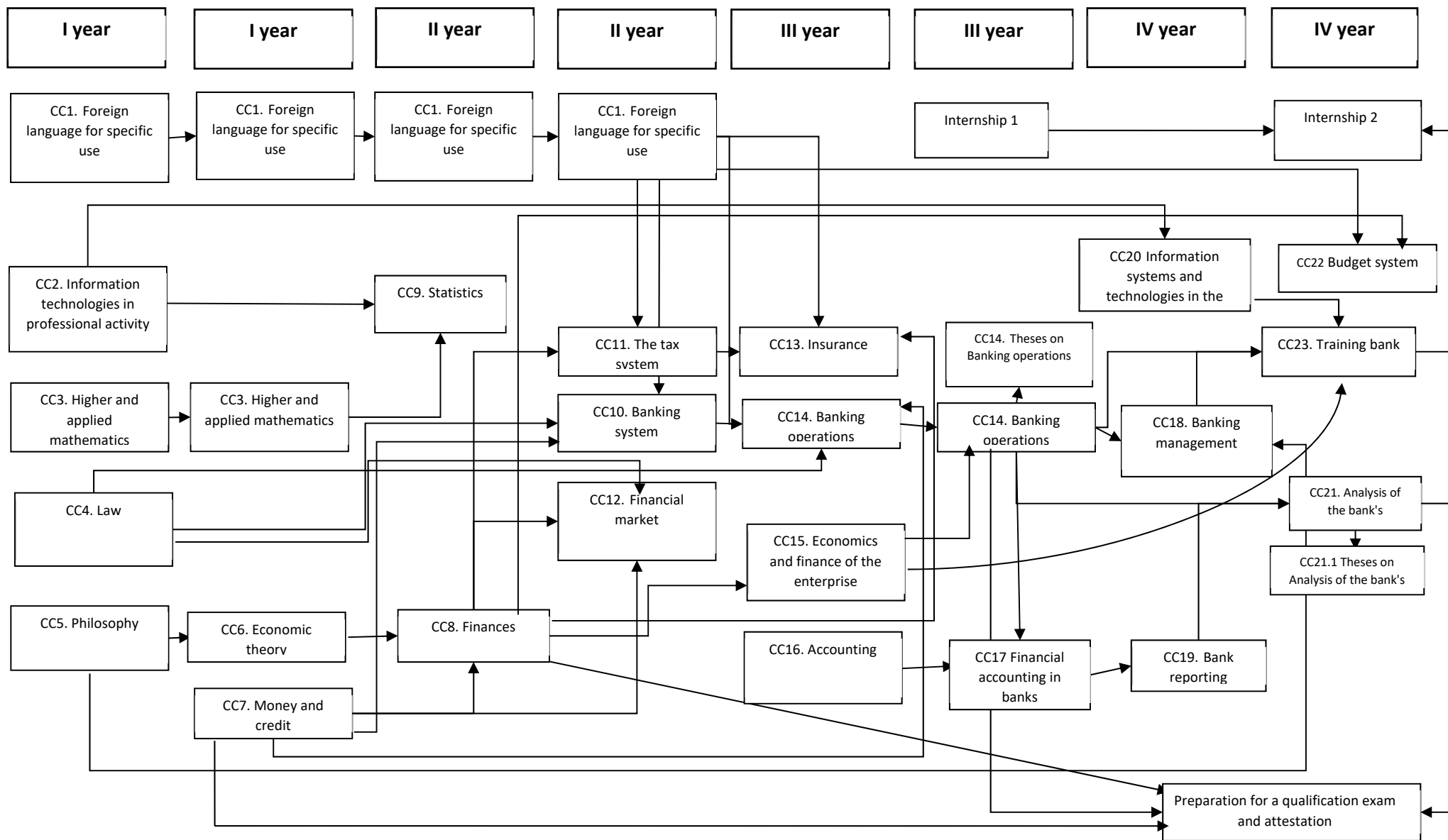
CC 19.	Bank reporting	6
CC 20.	Information systems and technologies in the banking sector	6
CC 21.	Analysis of the bank's activities	6
CC 21.1	Theses on Analysis of the bank's	
CC 22.	Budget system	6
CC 23.	Training bank	3
Total Number of Compulsory Components:		165
Optional Components of EP (OC)		
OC 1.	Banking security	6
OC 2.	Banking statistics	6
OC 3.	Banking law	6
OC 4.	Life safety	6
OC 5.	Security of information systems and networks	6
OC 6.	Business planning	6
OC 7.	Commercial law	6
OC 8.	Digital marketing of financial services	6
OC 9.	Ecology	6
OC 10.	Ukraine economy	6
OC 11.	Economic and mathematical modeling	6
OC 12.	Економічний аналіз Economic analysis	6
OC 13.	Electronic document management	6
OC 14.	Protection of the rights of consumers of financial services	6
OC 15.	Investment	6
OC 16.	Mortgage market	6
OC 17.	History of Ukrainian Culture	6
OC 18.	Control and audit in the bank	6
OC 19.	Conflictology and psychology of business communication	6

OC 20.	Logic	6
OC 21.	Marketing	6
OC 22.	Management	6
OC 23.	International economic activity of Ukraine	6
OC 24.	International Economic Relations	6
OC 25.	International credit and settlement and currency transactions	6
OC 26.	National interests in world geopolitics and geoeconomics	6
OC 27.	Valuation of bank loan collateral	6
OC 28.	Payment systems	6
OC 29.	Politology	6
OC 30.	Psychology	6
OC 31.	Religious studies	6
OC 32.	World culture	6
OC 33.	Probability theory and mathematical statistics	6
OC 34.	Securities trading	6
OC 35.	Ukrainian language (for specific use)	6
OC 36.	Financial mathematics	6
OC 37.	Finance law	6
OC 38.	Financial analysis	6
OC 39.	Financial monitoring	6
OC 40.	Financial and credit systems of foreign countries	6
OC 41.	WEB-design and WEB-programming	6
Total volume of optional components:		60
Practical training:		
Internship 1		6
Internship 2		6
Total		12

Attestation	
Preparation for a qualification exam and attestation	3
Total	3
Total EP volume:	240

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

3.2.2. Structural and logical scheme of EP



3.3. Form of attestation of applicants for higher education

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

The attestation exam in the specialty verifies the achievement of learning outcomes defined by the Standard of Higher Education and the educational program.

3.4. A consistency program competences matrix with compulsory components of the educational program

Components Competences	CC1	CC2	CC3	CC4	CC5	CC6	CC7	CC8	CC9	CC10	CC11	CC12	CC13	CC14	CC14.1	CC15	CC16	CC17	CC18	CC19	CC20	CC21	CC21.1	CC22	CC23
GC01		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+
GC02		+	+	+		+	+	+	+	+	+	+	+	+		+	+	+		+		+	+	+	+
GC03		+			+		+	+		+	+	+	+	+		+	+	+	+	+	+		+	+	
GC04	+																								
GC05		+	+				+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+
GC06	+	+	+		+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+
GC07	+			+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
GC08	+	+					+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+
GC09				+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
GC10	+									+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
GC11	+					+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
GC12			+				+	+				+		+	+	+		+	+	+	+	+	+	+	+
GC13				+	+			+		+	+	+	+	+				+	+	+	+	+		+	+
GC14					+	+	+	+		+	+	+	+	+		+		+	+	+	+	+		+	+
PC01						+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
PC02	+						+	+		+	+	+	+	+	+	+		+	+	+		+	+	+	+
PC03							+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+
PC04		+	+						+			+		+		+		+	+	+	+	+	+		+
PC05							+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
PC06		+	+				+	+	+	+	+	+	+	+	+	+	+	+		+		+	+	+	+
PC07			+							+		+	+	+	+	+	+	+	+	+		+	+		+
PC08							+			+	+	+	+	+	+	+	+	+	+	+		+	+	+	+
PC09	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
PC10				+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
PC11	+			+			+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
PC12														+				+			+				+
PC13														+					+		+				+
PC14																			+						

3.5. Matrix for providing program learning outcomes (PLO) to relevant components of the educational program

Components Competences	OC1	OC2	OC3	OC4	OC5	OC6	OC7	OC8	OC9	OC10	OC11	OC12	OC13	OC14	OC15	OC16	OC17	OC18	OC19	OC20	OC21	OC22	OC23	OC24	OC25	OC26	OC27	OC28	OC29	OC30	OC31	OC32	OC33	OC34	OC35	OC36	OC37	OC38	OC39	OC40	OC41				
GC01			+			+		+			+	+		+		+	+		+	+	+	+		+	+	+	+	+	+	+	+		+	+		+		+		+	+				
GC02	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+			
GC03	+					+		+			+		+			+		+		+		+	+					+			+	+	+	+	+		+			+		+			
GC04																																													
GC05	+		+			+	+		+			+	+	+	+	+	+		+	+		+	+			+		+	+					+	+	+	+		+	+		+			
GC06	+		+			+	+		+			+	+		+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
GC07			+	+	+			+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
GC08			+			+	+		+	+		+	+	+	+	+	+		+	+		+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
GC09	+			+	+	+	+	+	+		+	+	+		+	+	+		+	+	+	+	+	+				+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
GC10			+				+				+	+							+	+	+	+	+			+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
GC11			+				+				+	+		+	+	+			+	+	+	+	+			+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
GC12						+		+			+	+				+		+		+	+	+	+			+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
GC13	+			+	+	+		+	+	+				+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
GC14				+	+			+	+	+				+	+		+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
PC01	+		+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
PC02	+		+	+	+		+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
PC03	+		+	+		+	+	+	+		+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
PC04			+			+	+		+		+	+	+		+	+		+		+		+	+			+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
PC05	+		+	+		+	+	+	+		+	+		+	+	+		+		+		+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
PC06			+			+	+		+		+	+	+		+	+	+		+		+		+			+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
PC07	+		+			+	+		+		+	+		+	+	+		+		+		+	+			+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
PC08	+				+							+		+		+		+		+		+				+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
PC09	+		+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
PC10			+	+	+		+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
PC11			+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
PC12	+			+				+						+		+										+		+											+		+				
PC13	+			+				+						+												+		+											+		+				
PC14	+							+											+			+	+																						

3.6. Matrix for providing program learning outcomes to relevant compulsory components of the educational program

Components Program learning outcomes	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 14.1	CC 15	CC 16	CC 17	CC 18	CC 19	CC 20	CC 21	CC 21.1	CC 22	
	PL0 1						+	+	+	+	+	+	+	+	+	+	+	+	+					+	+
PL0 2						+	+	+		+	+	+	+												+
PL03						+	+	+		+	+	+	+												+
PL0 4						+	+	+		+	+	+	+				+								+
PL0 5			+				+	+	+	+	+	+	+				+	+					+	+	+
PL0 6		+	+						+			+				+		+					+	+	+
PL0 7						+	+	+		+	+	+	+	+				+	+		+		+	+	+
PL0 8		+					+	+	+	+	+	+	+	+				+	+		+	+			+
PL0 9										+		+	+	+	+	+	+	+		+		+	+		+
PLO10							+	+	+	+	+	+	+	+	+		+	+		+		+	+	+	+
PLO11										+	+	+	+	+	+			+	+	+	+		+		+
PLO12	+					+	+	+		+	+	+	+	+	+			+		+	+		+		+
PLO13			+			+			+					+	+								+	+	
PLO14			+		+	+	+	+	+	+	+	+	+	+	+			+	+	+	+		+	+	+
PLO15	+																								
PLO16		+	+	+		+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+
PLO17				+			+	+		+	+	+	+	+				+	+	+		+	+		+
PLO18	+				+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+
PLO19	+	+		+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
PLO20							+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+
PLO21				+		+	+			+	+	+	+	+											+
PLO22				+	+																				
PLO23					+	+	+	+		+	+		+	+					+						+
PLO24														+	+				+						
PLO25														+					+	+		+			
PLO26										+										+					

3.7. Matrix for providing program learning outcomes to relevant components of the educational program

Components Program learning outcomes	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 19	CC 20	CC 21	CC 22	CC 23	CC 24	CC 25	CC 26	CC 27	CC 28	CC 29	CC 30	CC 31	CC 32	CC 33	CC 34	CC 35	CC 36	CC 37	CC 38	CC 39	CC 40	CC 41				
	PLO 01	+						+							+		+	+		+																								+	
PLO 02												+						+																										+	
PLO 03															+	+	+	+		+																							+		
PLO 04											+	+				+		+				+								+													+		
PLO 05	+						+				+	+																														+			

