Ministry of Education and Science of Ukraine Kyiv National University of Trade and Economics

Educational Program

Logistics activity

Specialty 076 "Entrepreneurship, Trade and Exchange Activity"

Field of study 07 Management and Administration

Academic degree: Bachelor's degree

Specialty " Entrepreneurship, Trade and Exchange Activity "

Specialization "Logistics activity"

1 Educational program in specialty 076 "Entrepreneurship, Trade and Exchange activity" (specialization "Logistics activity")

	1	L – General information										
Full name of IHE	and	Kyiv National University of Trade and Economics										
structural unit		Department of Trade and Marketing										
		Sub-faculty of Trade Entrepreneurship and Logistics										
Academic degree	and	Level of higher education "Bachelor", specialty "										
qualification title in	the	Entrepreneurship, Trade and Exchange activity".										
original	une	Entrepreneurship, Trade and Exchange activity.										
Educational Program Titl	0	"I agistics activity"										
Qualification Title, prog		" Logistics activity" Bachelor's degree,240 credits,										
credits and duration	gram											
		term of education 3 years10 months										
Accreditation		Ministry of education and science of Ukraine, certificate of accreditation from 7.08 2014, minutes №110										
Cycle /Level		NKR of Ukraine – 7 level, FQ-EHEA - first cycle, EQF-LLL – 6 level										
Academic Background		Complete secondary education. Elementary Bachelor's level in specialty 076 "Entrepreneurship, trade and exchange activity." Entrance rules are stipulated and regulated by Entrance regulations of KNUTE.										
Language(s) of instruction	<u>ו</u>	Ukrainian										
Program duration		July,1 2024 (01.07.2024)										
Educational Program Lin	k	https://knute.edu.ua/										
		 Educational Program Aim 										
enterprise who have fu	ndame	n the field of evaluation of the results of logistic activity of an ental professional knowledge, modern economic outlooks in organizing of logistics activity of an enterprise.										
3 – E	Iduca	tional Program General Information										
	Specia Specia Comp trainin	of study 07 «Management and Administration» alty 076 «Entrepreneurship, Trade and Exchange activity» alization "Logistics activity" sulsory subjects – 73%, general training – 31%, professional ng – 69%.										
	-	nal subjects -27% , general training cycle -28% , professional ng -72% .										
orientation	Emph entrep transf	ational and professional, academic. asis on the wide examination of the logistics problems of preneurial activity, the ability to understand modern ormations in these fields and make economically substantiated ons concerning effective management of enterprise logistics ty.										
Educational program and specialization goals and objectives		ral economic education in the field of management and histration of entrepreneurship, trade and enterprise activity.										
-	T 7	vords: logistics, supply chain, material flow, information flow,										

	production logistics, purchase logistics, transport logistics,
	warehousing logistics, distribution logistics, commercial logistics,
	e-commerce logistics, fulfilment, transport- forwarding activity,
	enterprise logistics activity, information ((informative) logistics.
Specific requirements	Special education in the field of entrepreneurship, trade and exchange
Specific requirements	
	activity, gaining competency in organization of logistics activity,
	logistics processes in production and commercial activity, providing
	high quality level of logistics service, evaluation of economic
	effectiveness of enterprise logistics activity.
4 –	Career opportunities and further learning
Career opportunities:	According to the National classifier of the types of economic
	activities DK 009.2010, and taking into account the labour market
	requirements of the graduate professional activities prospects are:
	- cargo railroad transport — H. 49.2;
	- cargo lorry transport, providing article transportation service — H.
	49.4;
	- cargo sea transport – H. 50.2;
	- cargo river transport – H. 50.4;
	- cargo air transport and space transport – H. 51.2;
	- warehousing property and assistant activity in the sphere of
	transport – H. 52;
	- wholesale and retail trade in automobile means of transport and
	motor-cycles, their repairs $-G. 45$;
	- wholesale trade, excepting trade in automobile means of transport
	and motor-cycles $-G.46$;
	- retail trade, excepting trade in automobile means of transport and
	motor-cycles $-G. 47;$
	- warehousing — H. 52.1;
	-
	- consulting on commercial activity and management issues – M.
	70.22;
	- packaging – N. 82.92;
	- providing other supplementary commercial services, (bar-code marking) – N. 82.92.
	According to the National classifier of occupations ДК 003:2010,
	U
	the Bachelor's Degree specialist can hold the following positions:
	automobile transport controller of international transportation,
	transportation service controller, assistant (deputy) supply organizer,
	sales assistant, forwarding agent, transport forwarder, transport
	dispatch enterprise assistant, supply agent, controller of ready-made
	products distribution, clerk (supply), clerk warehousing), order
	taker, clerk (transporting of cargo),
	cargo approach and arrival information operator, cargo-mail
	transportation operator, operator of transporting documents
	processing, operator of passenger and cargo service, operator of
	expeditionary vehicles.
	Practical training on key wholesale and retail trade enterprises,
	logistics companies of Ukraine is envisaged by the educational plan.
Further learning	Education under the program of the second level with the aim of
	getting Master's degree.
	gouing masion subgrou.

	5 – Training and Assessment
Teaching and learning	Balanced combination of lecture and self-study work on the
5 5	principles of problem-oriented and interactive tuition (training),
	using of modern educational technologies and methods, student-
	cantered, problem-oriented learning when conducting practical and
	laboratory classes and seminars, self-studying during preparations for
	the classes.
Assessment	Written exams, solving of situational and practical tasks,
Assessment	
	presentations, questioning, testing, writing essays, cases, etc.
	6 – Program competences
Integral competence	The ability to solve complex specialized and practical problems in
(IC)	the sphere of enterprise, trade and exchange activity, which involves
(10)	application of knowledge of logistics activity organization theory,
	organizational and lawful basis of entrepreneurship, and is
	characterized by complexity of decision-making in the conditions of
	external surroundings indeterminacy.
<u> </u>	
General competence	GC 1. The ability to understand subject sphere, critical
(GC)	comprehension (understanding) of the main theories, principles,
	methods and concepts which are used in training and professional
	activities.
	GC 2. The ability to deal with political, economic, social, cultural and
	other processes and phenomena under specific historical conditions
	and modern phase of development taking into account (taking into
	consideration) human values, norm of behaviour (rules of conduct)
	and morality.
	GC 3. The ability to use modern methods, models, technologies of
	collecting, classification, processing and interpreting of information.
	GC 4. The ability to apply knowledge when solving practical tasks
	and making research on appropriate methodological level.
	GC 5. The ability to communicate in the official and foreign language
	in the professional sphere.
	GC 6. The ability to initiate measures to protect and preserve
	environment and make safety activities.
	GC7. The ability to show initiative and entrepreneurial activities, to
	act on the basis of ethical motives, socially responsibly and
	consciously.
	•
	GC8. The ability to carry out communicative activities, to work both
	in teams and independently.
	GC 9. The ability to make well-grounded decisions concerning
	organization of the enterprise logistics activity.
	GC 10. The ability to develop and manage projects and solve
	problems.
	GC 11. The ability to imitativeness, responsibility and skills for safety
	activities in conformity with the future type of work, branch standards
	and rules.
	GC 12. The ability for job training, adapting and formulating new

Professional	PC 1. The ability to understand theory, tools and methodology of
competences (PC)	logistics processes researching in enterprise activity, use system approach to logistics activity management of economic entity.
	PC 2. The ability for effective implementation of theoretical regulations and practical techniques of organizing and technologies of logistics operations and providing logistics services, ensuring lawful basis of logistics activity.
	PC 3. The ability to make commodities identification, use modern methods of commodities quality and safety determination.
	PC 4. The ability to manage purchasing and distribution processes within material flows, logistics service of enterprises in various spheres of activity, and perform development and implementation of measures of improvement of their organization.
	PC 5. The ability to apply informative and communicative technologies for organization of logistics activity and provide an enterprise competitive advantage on modern consumer and logistics service markets.
	PC 6. The ability to assess the external environment factors impact on the enterprise logistics system functioning, to detect (to find) casual-resulting links of logistics processes, phenomena and tendencies in economic sphere.
	PC 7. The ability to make substantiated operational decisions for optimizing and improvement of enterprise logistic activity.
	PC 8. The ability to solve operational and tactical problems in technical and economic sphere, commercial and logistics provision of entrepreneurial activity.
	PC 9. Knowledge and comprehension of theoretical basis of entrepreneurial, commerce and exchange activity.
	PC 10. The ability to implement professional practices in dealing with information products, knowledge and skills in modern information technology sphere for solving experimental and practical tasks of logistics activity.
	PC 11. Understanding of forms of regulation (interaction) of entities market relations.
	PC12. The ability to apply innovative approaches in the activity of entrepreneurial, commerce and exchange structures.
	PC 13. Knowledge and understanding of jurisprudential regulations in entrepreneurial, commercial, exchange and logistics activity sphere.
	PC 14. The ability to determine and carry out professional duties of organizing activities of entrepreneurial, commerce, exchange and logistics structures.
	PC15. The ability to carry out business planning, market conjuncture assessment and assessment of operation results in the entrepreneurial, commerce and exchange activity sphere taking into account risks.

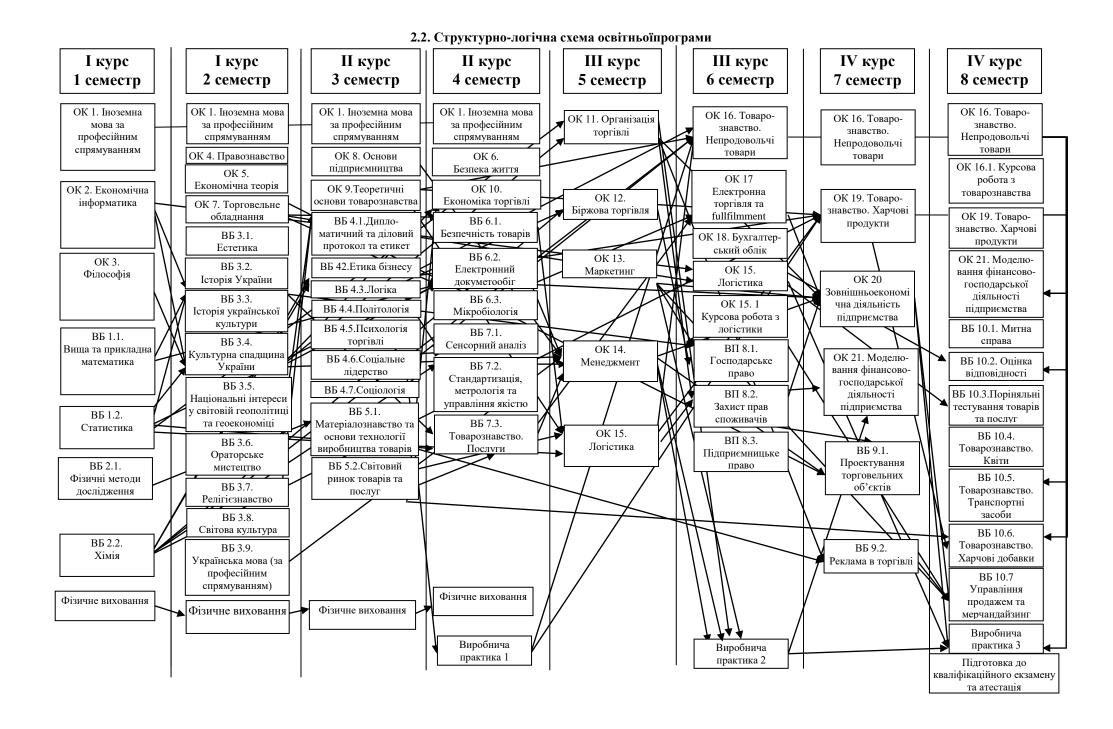
 PC 16. The ability to organize search, independent selection, qualitative information processing from different sources for forming of data banks in entrepreneurial, commerce, exchange and logistics activity spheres. PC17. To possess methods and instruments for substantiation of managerial decisions concerning creation of entrepreneurial, commercial and exchange structures.
7 – Program learning outcomes (PLO)
PLO 1. To have general language training and communicative competences, to possess language competence, demonstrate professional communication on proper language level.
PLO 2. To understand the essence of historical changes taking place in modern Ukraine, principles of national, historical and cultural process.
PLO 3. To possess legal culture, legal thinking and legal awareness, acquire knowledge on business relations and entrepreneurship, current economic legislation.
PLO 4. To understand the essence of social life and social culture of society, to have philosophical culture of thinking and cognition of yourself and the world around you.
PLO 5. To know basic principles and regularities of the world market functioning taking into account the interaction of factors and laws of their formation, evolution of structural changes and patterns of development.
PLO 6. To possess theoretical knowledge and practical skills of using physical and chemical methods of raw materials examining.
PLO 7. Be able to use modern informative and communication technologies.
PLO 8. To have the basics of mathematics apparatus of modern methods of financial analysis, knowledge system, skills and practices in the field of creation of mathematical models of management systems.
PLO 9. To have theoretical knowledge and practical skills of statistical estimation of economic phenomena and public life processes methods of statistical analysis.
PLO 10. Be able to prevent dangerous situations, reduce negative consequences of emergencies, provide the first aid and adhere to a healthy lifestyle.
PLO 11. To understand the regulations and mechanisms of functioning of market economy, realization of geopolitical and geo- economics interests, have special knowledge on economics and finance on organizational and legal foundations of creation and functioning of financial establishments.
PLO 12. To have basic theoretical knowledge and practical professional skills in Accounting.

methodological approaches on analysis and evaluation of the efficiency of foreign economic activity and international trade operations, understand the role and place of the customs business in economic development of Ukraine.
PLO 14. To understand the features of organization and implementation of entrepreneurial activity in wholesale and retail trade, production and logistics intermediary.
PLO 15. To have theoretical knowledge and practical skills on trade organization issues, projection (designing) of commercial objects, management of financial and economic activities of trade enterprises.
PLO 16. To have modern system of viewpoints, special knowledge and skills in the field of marketing and practical skills in marketing activity organizing.
PLO 17. To know theoretical basis and principles of logistics activities, carry out effective organization of enterprise logistics activities.
PLO 18. To have knowledge of the complex of theoretical principles and practical skills of carrying out of transport and technological operations; to have theoretical knowledge on the essence of warehousing logistics and understand logistics principles and mechanisms of warehouse economy formation and efficient warehouse functioning.
PLO 19. To understand the principles and regularities of material flows integrated management, taking into account specificity of logistic services for commercial operations on the domestic and foreign markets.
PLO 20. Be able to organize and carry out business in Internet environment, apply e-commerce tools and fulfilment.
PLO 21. To have theoretical knowledge and skills of using corporate and specialized information systems and technologies in the enterprise logistics activity.
PLO 22. To understand conceptual foundations of organization system management; be able to analyze internal and external environment of an enterprise, make well-grounded managerial decisions.
PLO 23. To understand theoretical foundations of customs business and customs and intermediary services provision mechanisms.
PLO24. To understand theoretical and practical approaches to transport forwarding operations and servicing of cargo transportation.
PLO 25. To understand theoretical approaches to organization and conducting of business negotiations, have methods and provisions for managing and preventing conflicts.

8-]	Resource support for program implementation
Academic staff	Project team: three persons have a scientific degree or academic
	degree (Head of Educational Program – PhD in Economics, Associate
	Professor, 1 Doctor in Economics, Associate Professor, 1 PhD in
	Economics, Associate Professor, and 1 PhD in Economics). Scientific
	and pedagogical staff with academic and scientific degrees and
	highly skilled specialists are involved in the implementation of the
	program. With the purpose of professional development all scientific
	and pedagogical staff are involved in advanced professional training
	every five years.
Facilities	According to the requirements there are premises for conducting
Facilities	training sessions and control activities, and multimedia equipment.
	Using of laboratories, computer and specialized classrooms of
	KNUTE.
	Educational scientific laboratories of the Department of Trade Entrepreneurship and Logistics are available for implementation of
	the educational process. Availability of study rooms, computer
	workstations, and multimedia equipment meets the requirements.
	Availability of social and housing infrastructure of KNUTE.
	All required social and housing infrastructure is available; number of
	dormitories meets the requirements.
Informational,	
teaching and learning	Operating platform for distance learning MOODLE provides self- and individual training.
materials	
	9 – Academic mobility
National credit mobility	Provided by law and is reasonable (appropriate) when it becomes
	necessary to study fundamentally new disciplines which are not
	taught in the basic institution of higher education. A provision on
	academic mobility is developed.
International credit	Cooperation agreements, including partner exchange and students
mobility	tuition agreements were signed by KNUTE and Higher Education
2	Establishments. Besides this, International Academic mobility is
	carried out under International programs and project partners in
	Erasmus+ framework: Carlow University of Economics,(Krakow,
	Poland), Shchetintsky University, (Shchetsin, Poland), Audiencia
	Business School (France, Nantes), Grenoble Alpes University (
	France, Grenoble). Paris Est Kretey University (France, Paris).
	France, Grenoble). Paris Est Kretey University (France, Paris), University of Central Lancashire (Great Britain, Preston), University
	University of Central Lancashire (Great Britain, Preston), University
	University of Central Lancashire (Great Britain, Preston), University of Hohenheim (Germany, Stuttgart), University of Piraeus (Greece,
Training of foreign	University of Central Lancashire (Great Britain, Preston), University of Hohenheim (Germany, Stuttgart), University of Piraeus (Greece, Piraeus), Kliment Okhrydsky University (Bulgaria, Sofia).
Training of foreign students	University of Central Lancashire (Great Britain, Preston), University of Hohenheim (Germany, Stuttgart), University of Piraeus (Greece, Piraeus), Kliment Okhrydsky University (Bulgaria, Sofia). English language programs on disciplines assigned to the department
Training of foreign students	University of Central Lancashire (Great Britain, Preston), University of Hohenheim (Germany, Stuttgart), University of Piraeus (Greece, Piraeus), Kliment Okhrydsky University (Bulgaria, Sofia).
8 8	University of Central Lancashire (Great Britain, Preston), University of Hohenheim (Germany, Stuttgart), University of Piraeus (Greece, Piraeus), Kliment Okhrydsky University (Bulgaria, Sofia). English language programs on disciplines assigned to the department

Educational program components	Total	Final
	creuits	assessment
2	3	4
Compulsory components of E	-	•
		Exam
		Exam
	-	Exam
		Exam
		Exam
		Exam
· · · · · · · · · · · · · · · · · · ·		Exam
1 I	-	Exam
		Exam
	-	Exam
		Exam
	1,	
	6	Exam
		Exam
· · · · · · · · · · · · · · · · · · ·		Exam
ĕ		Exam
	-	Exam
<u> </u>		Exam
~ ~	0	LAum
	6	E/xam
	0	
	9	Exam
		Exam
		3
	157.5	
	,	
· ·		Exam
		Exam
	6	Exam
National Interests in the World's Geopolitics	6	Exam
The Art of Public Speaking	6	Exam
Religion Science	6	Exam
· · · · ·		
World Culture Ukrainian Language for professional	6 6	Exam
	(disciplines, term projects, (papers), practical training, Qualification exams, Graduate paper) 2 Compulsory components of E Foreign Language for Professional Purposes Higher and Applied Mathematics Philosophy Economic Theory Science of Law Information Science in the Economy Fundamentals of Entrepreneurship Finance, Money and Credit Commodity Science Transport Enterprise Economy Logistics Test paper in Logistics Customs Business Exchange Trade Management Marketing Accounting Organization of Trade Test paper in Organization of Trade E-commerce and fulfilment Finance and Economic Activity of an Enterprise Modelling Transport and Forwarding Activity Physical Training ts for compulsory components Optional components of EP Ecology History of Trade Social Psychology Statistics Aesthetics History of Ukraine	(disciplines, term projects, (papers), practical training, Qualification exams, Graduate paper)credits2323Compulsory components of EPForeign Language for Professional Purposes21Higher and Applied Mathematics6Philosophy6Economic Theory6Science of Law6Information Science in the Economy6Fundamentals of Entrepreneurship6Finance, Money and Credit6Customs Business6Exchange Trade6Marketing6Accounting6Organization of Trade6Test paper in Organization of Trade6Organization of Trade6Test paper in Organization of Trade6Prinance, and Forwarding Activity6Prest paper in Organization of Trade6Organization of Trade6Transport and Forwarding Activity6Physical Training9Transport and Forwarding Activity6History of Trade6Social Psychology6History of Trade6Acesthetics6History of Ukraine6History of Ukraine6History of Ukraine6History of Ukraine6Acesthetics6Acesthetics6Accounting6For compulsory components6History of Ukraine6Acesthetics6Acesthetics6<

OP 4.1.	Diplomatic and Business Protocol and	6	Exam
	Etiquette		EXalli
OP 4.2.	Business Ethics	6	Exam
OP 4.3.	Logic	6	Exam
OP 4.4.	Politology	6	Exam
OP 4.5.	Psychology	6	Exam
OP 4.6.	Social Leadership	6	Exam
OP 4.7.	Sociology	6	Exam
OP 5.1.	Operations (Transactions) Study (Research)	6	Exam
OP 5.2.	International Economy	6	Exam
OP 5.3.	Spatial Economy	6	Exam
OP 5.4.	Insurance	6	Exam
OP 6.1.	Life Safety	6	Exam
OP 6.2.	Foreign Economic Activity of Enterprise	6	Exam
OP 6.3.	Enterprise Competitiveness	6	Exam
OP 7.1.	The World Market of Goods and Services	6	Exam
OP 7.2.	Conflictology and Psychology of Business Communication	6	Exam
OP 8.1.	Economic Law	6	Exam
OP 8.2.	Entrepreneurial (Business) Law	6	Exam
OP 9.1.	Information Systems and Technologies in Logistics	6	Exam
OP 9.2.	Enterprise Activity Planning	6	Exam
OP10.1.	Business Psychology	6	Exam
OP10.2.	Personnel Management	6	Exam
OP11.1.	Wholesale and Intermediary Activity	6	Exam
OP11.2.	Customs and Intermediary Services	6	Exam
Total credi	ts for optional components:	66	
	Practical Training	-1	
	Practical training 1	4,5	3
	Practical training 2	3	3
	Practical training 3	6	3
	Final Assessment		
	m Preparation and Assessment	3	
Total Num	ber of Credits of EP	240	



2. Final assessment of students majoring in educational program "Entrepreneurship Trade and exchange activity

"Final assessment of students majoring in educational program 'Entrepreneurship, Trade and exchange activity" is carried out in the form of final qualification exam and results in getting the diploma on obtaining qualification; higher educational level "Bachelor' speciality Entrepreneurship, Trade and Exchange Activity, specialization Logistics Activity." Assessment is carried out openly and publicly.

	CC 1	CC 2	CC3	CC 4	CC 5	CC6	CC7	CC8	CC 9	CC 10	CC 11	CC 12	CC 13	CC 14	CC 15	CC 16	CC 17	CC18	CC 19	CC 20
GC 1			Х							Х	Х				Х		Х	Х		
GC 2			Х	Х			Х	Х					Х							
GC 3		Х			Х			Х			Х									
GC 4		Х						Х			Х		Х	Х	Х	Х				
GC5						Х					Х									Х
GC 6	Х																			
GC 7									Х										Х	
GC 8				Х		Х	Х													
GC9	Х																			
GC 10		Х	Х							Х	Х	Х			Х	Х		Х	Х	Х
GC 11					Х						Х						Х	Х		
GC 12	Х					Х					Х				Х		Х	Х		
PC 1							х				х			х		х				x
PC 2							х				х			х		х				
PC3												х	х							
PC 4											х			х		х				х
PC 5																	Х			
PC 6	х		Х			х			x		х									
PC 7											х			х						х
PC 8																	х	х		
PC 9			х				х				х			х						х
PC 10						х													Х	
PC11			х				х		х		х			х						
PC12							х				х			x		х	х	х		х
PC13					х															
PC14							х				х			x		х	х	х		х
PC15			х			х					х				х					
PC16						х													Х	
PC 17				х			х				Х			Х	х	х	х	Х		х

4. Program Competences and EP Components Matrix 4.1. Compulsory Components

4.2. Optional Components

																- I					L .																	
	0C1.1	0C.2	0C1.3	0C.1.	0C2.2.	0C3.1	OC 3.2	OC 3.3.	OC3.4	OC 3.5	OC3.6	0C3.7	OC 3.8	0C3.9	OC 4.1	0C4.2	0C4.3	0C4.4	0C4.5	OC4.6	OC 4.7.	0C5.1.	0C.5.2	OC 5.3.	OC5.4.	0C6.1.	0C6.2	0C6.3	0C7.1	0C7.2	0C8.1	OCX8.2	01C9.1	0C9.2	OC10.1.	OC10.2.	OC 11.1.	B5 11.2.
GC 1	x	x	x		x					х								x																				
GC 2										x										x			x	x			x		x									
GC3															x																		x					
GC 4															x													x						x				
GC 5																											x	x						x		x	x	
GC 6											х			х		x	x				x																	
GC 7	x					x				х																x												
GC 8				х												х							х	x										x	x			
GC 9				x							х					x	x				х		x							x					x			
GC10		x																							x		х						x	х				x
GC 11															x																		х	х				
GC 12								x	x																										x			
PC 1		x	x												x							х			x		x							x				
PC 2																			x												x	x	x					x
PC 3	x																									x												
PC4			x																			x					x							x				
PC 5																												x					x					
PC 6										x									x			x							x									
PC 7																x		x										x						x				
PC 8																		x																	x		x	
PC 9			x																									x				x					x	
PC10															x																		x					
PC				х						х							х		х																			
PC12										х													x					x					x					
PC13																															x	x						
PC 14																x					x													x		x		
PC 15																						х							x					x				
PC 16					х										х			x															x					
PC 17										x																		х						х				

5.1. COMPULSORY COMPOINENTS

[1			1						_	
	CC1	CC 2	CC 3	CC 4	CC 5	CC 6	CC 7	CC8	CC3	CC 10	CC11	CC 12	CC13	CC 14	CC 15	CC16	CC 17	CC 18	CC 19	CC20
PLO 1	х				х				х				х				х			
PLO 2	х			х																
PLO 3															х					х
PLO4				х			х		х		х			х						
PLO 5			х										х				х			
PLO 6										х						х				
PLO 7	х				х							х								
PLO 8		х					х							х			х			х
PLO 9																				
PLO 10									х			х							х	
PLO 11	х							х						х						
PLO 12		х		х			х									х				
PLO 13																				
PLO 14						х													х	х
PLO 15		х															х			
PLO16	х					х									х					
PLO 17	х			х			х		х		х								х	
PLO18											х			х						
PLO 19		х				х					х					х				х
PLO 20				х				х										х		
PLO 21		х				х														
PLO 22							х		х			х								
PL0 23																				
PL0 24		х		х		х						х						х		х
PLO 25	х							х						х			х			

5.2. Optional components

	oc 1.1	oc1.2	oc1.3	0c2.1	oc 2.2	oc 3.1	oc3.2	0c3.3	oc 3.4	oc 3.5	oc3.6	0C 3.7	0C3.8	0C3.9	0C4.1	OC 4.2	OC 4.3	OC 4.4	0C4.5	0C4.6	0C 4.7	0C5.1	OC 5.2	OC 5.3.	OC5.4.	OC 6.1.	OC 6.2.	OC 6.3.	0C7.1.	OC 7.2.	OC 8.1.	OC 8.2	OC 9.1.	0C9.2	OC10.1.	OC10.2	OC11.1.	0C11.2
PLO 1											x			x		x																						
PLO 2		х	х				x	x	x				x																									
PLO3																				x										x	x							
PLO 4																						х	х															
PLO 5																			x									х										
PLO 6	x					х																			х													
PLO7					х																											х						
PLO 8					х										х																							
PLO 9					х										х																							
PLO10	x																								х													
PLO 11										х									х								х											
ПРН 12					х																																	
PLO13																			x									х										
PLO14																											х						х			х		
PLO15																										х										х		
PLO16																	х					х					х											
PLO 17																										x						x					х	
PLO 18		х																																				
PLO 19																										х										х	x	
PLOI 20																																x						
PLO 21																																x						
PLO 22										х									х																			
PLO 23																										x											x	
PLO24																																					x	
PLO 25																x	х												х					х				