### 3. Educational program

Head of the project group (Head of Educational Program)

PhD in Economics Novak O. V.

#### 3.1. Educational Program profile in specialty 292 «International Economic Relations» (specialization «International Trade»)

(5 <b>P</b>	
	1 – General information
Full name of IHE and	State University of Trade and Economics;
structural unit	Department of International Trade and Law;
	Department of World Economy
Academic degree and	Academic degree «Bachelor»
qualification title in the	Specialty «International Economic Relations»
original	
<b>Educational Program Title</b>	«International Trade»
Compliance with the	Meets the standards of Higher Education of the Ministry of
standard of Higher	Education and Science of Ukraine
Education of the Ministry	
of Education and Science of	
Ukraine	
Diploma type and quantity	Bachelor Diploma, Single, 240 ECTS credits,
of the program	Studying period -3 years 10 months
Accreditation	Licensed in 2018, accredited by the Ministry of Education and
	Science of Ukraine, UD accreditation certificate No. 11011707 until
	July 1, 2023.
Cycle/Level	NRK-Ukraine -6 level,
	FQ-EHEA –1-st cycle,
	EQF - LLL - 6 level
Preconditions	Availability of complete general secondary education or junior
	specialist qualifications
Language of instruction	Ukrainian
Program duration	2027
Internet address for	https://knute.edu.ua/
permanent placement of	
the program description	
	2 – Educational program aim

#### 2 – Educational program aim

Acquisition and development of competences related to the ability to solve specialized and practical tasks in the field of international economic relations in general and international trade, in particular, which involves the formation of skills and abilities to analyze, plan, organize and manage international trade relations in various hierarchical levels of world and national economies, as well as the corporate sphere.

	3 – Educational program characteristics
Subject area	<b>The object of study</b> is the functioning and development of the world economy, forms of international economic relations and mechanisms of their implementation, motivation and behavior of subjects international economic relations at the micro-, meso-, macro- and mega-levels, in the process of evolution of international relations and international cooperation.

	<ul> <li>The theoretical content of the subject area is economics global economic relations with its regularities formation and development of social reproduction processes in their relationship and interdependence on the basis international economic activity, international division of labor and the institutional mechanism of regulation in process of transformation of international economic relations and international economic cooperation.</li> <li>The goals of training are the training of specialists capable of solving specialized complex tasks and practical problems characterized by the complexity and uncertainty of conditions in the field of international economic relations.</li> <li>Methods, techniques and technologies: methods of theoretical and empirical research, economic-mathematical analysis and forecasting, data analysis methods, information search and processing technology, expert evaluation of the results of implementation of international economic relations.</li> </ul>
	<b>Tools:</b> modern information and analytical systems, standard and special software products
Educational program orientation	Educational and professional has a theoretical basis and contains practical components and practical training.
The main focus of the educational program and specialization	General education in the field of international economic relations with an in-depth study of Ukraine's international trade relations. Key words: competences, skills, abilities, methods and teaching methods, teaching technologies, teaching tools, international economic relations, international trade.
Program Features	Combination of theoretical training of students of higher education with practice in domestic and international companies, state and non-state bodies regulating foreign trade, international trade organizations. Formation of hardskills (professional skills) and soft skills (non-specialized, super-professional skills) in students of higher education on the basis of the Educational and Scientific Center of Business Simulation.
4 – C	areer opportunities and further learning
Career opportunities	Jobs in international companies, transnational corporations, international financial, economic and governmental organizations, state regulatory bodies (according to the current version of the National Classifier of Ukraine: Classifier of Occupations (DK 003:2010) and International Standard Classification of Occupations 2008 (ISCO-08)): Head of trade and economic mission (1224); Director (head) of a small trading firm (1314); Manager of a trade agency (1317); Manager (manager) of foreign economic activity (1475.4); Sales economist (2419.2); Expert on foreign economic issues, consultant on foreign economic issues (25393) Economist on international trade, economic advisor, consultant on economic issues, columnist on economic issues (2441.2); Trade representative, commercial trader, industrial trader, traveling trader (3415); Trade inspector (3419); Trade broker (broker) (3421)
Further learning	A graduate of the bachelor's level of higher education can continue his studies at the second (master's) level of higher education, as well as improve his qualifications and receive additional education through certified programs and postgraduate study programs.

	5 Turining and according to the
Teaching and learning	5 – Training and assessment A balanced combination of classroom and independent work on the
reaching and learning	basis of problem-oriented and interactive learning using modern
	educational technologies and methods (lectures-discussions,
	seminar classes, practical classes in small groups, independent work
	with information sources, teacher consultations, distance learning).
Assessment	Written exams, oral presentations, ongoing control (testing, solving
	problems and situational exercises, debates, public speeches), final
	module control, course projects, final qualification work. The
	evaluation is carried out in accordance with the "Regulations on the
	evaluation of the results of students' and postgraduate studies at
	SUTE", "Regulations on the organization of the educational process
	of students".
	6 – Program competences
Integral Competence (IC)	A person's ability to solve complex specialized tasks and practical
	problems in the field of <i>international trade</i> , in particular, or in the
	learning process, which involves the application of the <i>latest</i>
	theories and <i>research methods of international trade relations</i> and is characterized by the complexity and uncertainty of conditions.
General Competence (GC)	1. Ability to realize one's rights and responsibilities as a member of
General Competence (GC)	society, to be aware of the values of a civil (free democratic) society
	and the need for its sustainable development, the rule of law, the
	rights and freedoms of a person and a citizen in Ukraine;
	2. Ability to preserve and increase the moral, cultural, scientific
	values and achievements of society based on an understanding of
	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, to use
	various types and forms of motor activities for active recreation and
	leading a healthy lifestyle.
	3. Ability to study and be modernly educated.
	4. Ability to plan and manage time.
	5. Ability to communicate in the national language both orally and
	in writing.
	6. Ability to communicate in foreign languages.
	7. Skills in using information and communication technologies.
	8. Ability to abstract thinking, analysis and synthesis.
	9. Ability to be critical and self-critical.
	10. Ability to communicate with representatives of other
	professional groups of different levels (with experts from other fields of knowledge/tupes of economic activity)
	fields of knowledge/types of economic activity). 11. Ability to work in a team.
	12. Knowledge and understanding of the subject area and
	understanding of professional activity
	1. Ability to distinguish characteristic signs and trends of the
Professional Competence	development of the world economy, peculiarities of the
( <b>PC</b> )	implementation of economic policy and world
	integration/disintegration processes, including Euro-Atlantic
	integration.
	2. Ability to use basic categories and the latest theories, concepts,
	technologies and methods in the field of international economic
	relations, taking into account their main forms, to apply theoretical

knowledge about the functioning and development of international
economic relations.
3. Ability to identify the peculiarities of the functioning of the
environment of international economic relations and models of
economic development.
4. Ability to justify the peculiarities of the implementation of forms
of international economic relations at the mega-, macro-, meso- and
-
micro-levels.
5. Ability to carry out a comprehensive analysis and monitoring of
global market conditions, to assess changes in the international
environment and to be able to adapt to them.
6. Ability to analyze international markets of goods and services,
instruments and principles of regulation of international trade.
7. Ability to analyze the theories and mechanisms of
implementation of international monetary, financial and credit
relations.
8. Ability to determine the functional features, nature, level and
degree of relationships between subjects of international economic
relations of different levels and establish communications between
them.
9. Ability to diagnose the state of research in international economic
relations and the world economy in an interdisciplinary
combination with political, legal, and natural sciences.
10. Ability to substantiate the expediency of using legal, economic
and diplomatic methods (means) to resolve conflict situations at the
international level.
11. Ability to conduct research on economic phenomena and
processes in the international sphere, taking into account causal and
spatial-temporal relationships.
12. Ability to use regulatory documents and reference materials
when performing professional activities in the field of international
economic relations.
13. Ability to evaluate and analyze the security component in
international economic relations.
14. Ability to communicate on professional and social levels using
professional terminology, including oral and written
communication in national and foreign languages.
15. Ability to apply the methods, rules and principles of functioning
of international economic relations for the development of
Ukraine's foreign economic activity.
16. Ability to constantly increase the theoretical level of
knowledge, generate and effectively use it in practical activities.
17. Knowledge of domestic and foreign practice of conducting
foreign trade operations. Including the ability to determine the
customs value of goods, calculate customs payments.
18. Ability to analyze statistical and financial reporting in order to
determine the competitive positions of international business
entities.
19. Understanding the organization of activities of international
trade entities in the conditions of globalization and regionalization.
7 – Program learning outcomes
1. Be responsible for professional self-improvement, realizing the
need for lifelong learning, show tolerance and readiness to accept
innovative changes.

2. Communicate freely on professional matters in national and foreign languages orally and in writing, professionally use economic terminology.

3. Use modern information and communication technologies, general and special purpose software packages.

4. Systematize and organize the received information about processes and phenomena in the world economy; evaluate and explain the influence of endogenous and exogenous factors on them; formulate conclusions and develop recommendations taking into account the peculiarities of the national and international environment.

5. Possess the skills of self-analysis (self-control), be understandable to representatives of other business cultures and professional groups of different levels (with specialists from other fields of knowledge/types of activity) on the basis of valuing diversity, multiculturalism, tolerance and respect for them.

6. Plan, organize, motivate, evaluate and increase the effectiveness of collective work, carry out research in a group under the leadership of a leader, taking into account the requirements and features of today in conditions of limited time.

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

8. Understand, highlight and describe new phenomena, processes and trends of global development, mechanisms and tools for the implementation of economic policy and world integration / disintegration processes, including Euro-Atlantic integration

9. Understand and be able to apply, in accordance with other requirements of the educational program, modern theories and methods of solving specialized complex problems and practical problems in the field of international trade in goods and services, international movement of capital, international monetary, financial and credit relations, mobility of human resources , international technology transfer.

10. Identify and single out the peculiarities of the functioning of subjects of international relations and models of their economic development.

11. Substantiate one's own opinion regarding the specific conditions for the implementation of forms of international economic relations at the mega-, macro-, meso- and micro-levels.

12. Carry out a comprehensive analysis of complex economic systems, to compare and compare their components, to evaluate and argue for evaluations of the effectiveness of their functioning.

13. Select and skillfully apply the analytical toolkit for researching the state and development prospects of individual segments of the international markets of goods and services using modern knowledge about the methods, forms and tools of regulation of international trade.

14. Understand and apply the theories, principles, means and tools of implementation of international monetary, financial and credit relations.

15. Determine the functional features, nature, level and degree of relationships between subjects of international economic relations of different levels and establish communications between them.

16. Demonstrate knowledge of the state of research in international economic relations and the world economy in an interdisciplinary combination with political, legal, and natural sciences.

17. Determine the causes, types and nature of international conflict	
and disputes, substantiate and apply economic, legal and diplomatic	
methods and means of solving them at the international leve defending the national interests of Ukraine.	ei,
18. Research economic phenomena and processes in th	he
international sphere based on an understanding of categories an	
laws; highlighting and summarizing trends, patterns of functionin	
and development of the world economy, taking into account cause	-
and-effect and space-time relationships.	
19. Understand and apply current legislation, internation	nal
regulatory documents and agreements, reference materials, current	ent
standards and technical conditions, etc. in the field of international	nal
economic relations.	
20. Defend the national interests of Ukraine, taking into account the	he
security component of international economic relations.	
21. Understand and have skills in business protocol and business	
etiquette in the field of international economic relations, taking int	
account the peculiarities of intercultural communication at the	
professional and social levels, both in state and foreign languages	
22. Apply appropriate methods, rules and principles of functionin of international economic relations for the development of	-
Ukraine's foreign economic activity.	01
23. Be aware of the need for lifelong learning in order to maintai	ain
professional competence at a high level.	
24. Justify the choice and apply information and analytical tool	ls,
economic and statistical methods of calculation, complex analysis	
techniques and methods of monitoring the state of world markets.	<b>.</b>
25. Present the results of the research based on which	ch
recommendations and measures for adaptation to changes in the	he
international environment are developed	
26. Be able to solve professional tasks related to the search for	
partners in the foreign market, to form, coordinate and organize the	
execution of international export-import operations by business an	nd
trade structures.	
27. Know and understand the basics of statistical accounting of	-
international trade in goods and services, be able to use national	
and international classifiers of goods and services whe	
determining the customs value of products and calculating custom	ns
payments on them.	
28. Be able to solve professional tasks of analysis, forecasting	~
planning and regulation of activities of international and national trade and exchange structures	iui
trade and exchange structures. 29. Have the ability to assess changes in the commodity situation i	j12
the domestic and foreign markets and make management decision	
in crisis situations, taking into account external and interna	
influences.	u
8 – Resource support for program implementation	
mic staff Scientific and pedagogical workers with scientific degrees and/o	'or
scientific titles, as well as highly qualified specialists, are involve	
in the training of bachelors under the educational program.	
Ensuring advanced training of scientific and pedagogical employed	es
of SUTE in accordance with the Regulation on advanced trainin	
and internships of scientific and pedagogical, pedagogical an	-
and internships of selentine and pedagogical, pedagogical an	nd

	Economics, all scientific and pedagogical employees undergo an
	internship once every five years.
Facilities	Ensuring the availability of the necessary resources for the
r acintics	organization of the educational process, including the independent
	work of students, for each educational program in accordance with
	the Regulation on the organization of the educational process of
	students; Regulations on the independent work of students and
	postgraduates at SUTE.
	1 0
	Use of laboratories, computer and specialized classrooms of SUTE. Availability of social and household infrastructure of SUTE.
Informational, teaching and	Ensuring the availability of information systems for effective
learning materials	management of the educational process through systems: distance
	learning MOODLE provides independence and individual training,
	control, access to the Internet and e-mail, "Dean's Office", "Load-
	schedule", management of SUTE WEB resources, management of
	the library fund, corporate information field in the form of a
	"personal account" of the user of the SUTE web portal.
	Ensuring openness of information about educational programs,
	degrees of higher education and qualifications: implementation of
	information policy of SUTE; publication on the official website of
	SUTE of ECTS information packages, educational programs, the
	schedule of classes, as well as all components of the provision of
	the educational process, which are subject to publication in
	accordance with the Law of Ukraine "On Higher Education";
	Ensuring an effective system of prevention and detection of
	academic plagiarism in scientific works of SUTE employees and
	students of higher education (publication of the text of dissertation
	research on the official website of SUTE), compliance with the
	norms of the Code of Ethics of a scientist of Ukraine.
	Other procedures and measures that ensure the fulfillment of the
	Licensing conditions for conducting educational activities.
	9 – Academic mobility
National credit mobility	National credit mobility is carried out in accordance with concluded
	agreements on academic mobility.
International credit mobility	The University has concluded agreements on cooperation between
	SUTE and IHE, within the framework of which partner exchange
	and training of students of higher education is carried out. In
	addition, international academic mobility is carried out under
	International programs and projects within the framework of
	Erasmus+, in particular with the following universities: Krakow
	University of Economics (Poland, Krakow), Szczecin University
	(Poland, Szczecin), Audencia Business School (Nantes, France),
	University of Grenoble Alpes (Grenoble, France), University of
	Paris Est Créteil (Paris, France), University of Central Lancashire
	(Great Britain, Preston), Hohenheim University (Stuttgart,
	Germany), Piraeus University of Applied Sciences (Piraeus,
	Greece), University named after Klyment of Ohridsky (Bulgaria,
	Sofia)
Training of foreign students	Conditions and features of the educational program in the context
Training of foreign students	

# **3.2.** List of educational program components and their logical order

### 3.2.1. List of EP components

N⁰	Educational Program components	Total
	(disciplines, term projects (papers), practical training	credits
	qualification exam, graduate paper)	
1	2	3
	Compulsory component of EP	
CC 1.	Information Technology in International Economic Activity	6
CC 2.	Foreign Language for Specific Purposes	24
CC 3.	History of International Trade	6
CC 4.	Foreign Policy of Ukraine	6
CC 5.	Theory of State and Law	6
CC 6.	Statistics	6
CC 7.	Public and Private International Law	6
CC 8.	Diplomatic and Consular Service	6
CC 9.	Macroeconomics	6
CC 10.	Microeconomics	6
CC 11.	International Economic Relations	
CC 11.1	KR on International Economic Relations	6
CC 12.	International Trade and Economic Law	12
CC 13.	Systems of International Economic Information	6
CC 14.	Economics of an Enterprise	6
CC 15.	International Logistics	6
CC 16.	Foreign Language of Specialty	12
CC 17.	International Trade	
CC 17.1.	FW on International Trade	6
CC 18.	International Business	4,5
CC 19.	Customs	4,5
CC 20.	International Marketing	4,5
CC 21.	Practical course "Business Simulation"	9
CC 22.	International Trade in the Field of Works and Services	6
CC 22.	The total amount of compulsory components:	162,0
	Optional components of EP	102,0
OC 1.	Life Safety	6
OC 2.	Business Protocol and Etiquette	6
OC 3.	Second Foreign Language	12
OC 4.	Business Ethics	6
OC 5.	Expert Systems	6
OC 6.	E-commerce	6
OC 7.	European Integration	6
OC 8.	History of Ukraine	6
OC 9.	Intellectual Property in International Trade	6
OC 10.	Logic	6
OC 10. OC 11.	International Exhibition Activity	6
OC 11. OC 12.	International Trade in IT	6
OC 12. OC 13.	International Trade in Tr International Trade in the Agricultural Sector	6
OC 13. OC 14.	International Trade in the Machine-Building Sector	6
OC 14. OC 15.	International Trade in the Mining and Metallurgical Sector	6
OC 15. OC 16.	International Trade in the Mining and Metallurgical Sector	6
OC 16. OC 17.	International Relations and World Politics	
		6
()()10	National Interests in World Geopolitics and Geoeconomy	6
	A second in a and Tomation	
OC 19.	Accounting and Taxation	6
OC 18. OC 19. OC 20. OC 21.	Accounting and Taxation         Organization of Foreign Trade Operations         Public Procurement in International Trade	6 6 6

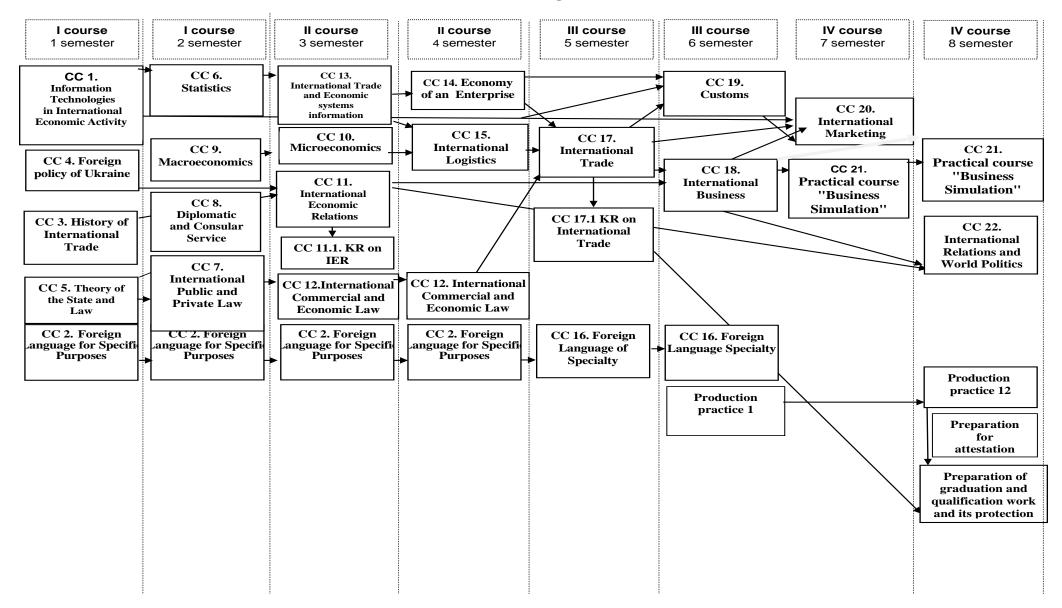
OC 22.	EU Law	6
OC 23.	World Trade Organization Law	6
OC 24.	Political Science	6
OC 25.	Psychology of Business	6
OC 26.	Religious Studies	6
OC 27.	System of International Trade and Economic Dispute Resolution	6
OC 28.	World Market for Goods and Services	6
OC 29.	World Culture	6
OC 30.	Sociology	6
OC 31.	Trade Management	6
OC 32.	Commodity Nomenclature of Foreign Economic Activity	6
OC 33.	Ukrainian Language (for Professional Purposes)	6
OC 34.	Philosophy	6
OC 35.	Finance of Foreign Corporations	6
OC 36.	Civil and Commercial Law	6
OC 37.	Web-Design and Web-Programming	6
OC 38.	International Trade in Fuel and Energy Products	6
OC 39.	International Trade in the Field of the Military-Industrial Complex	6
OC 40.	In order to ensure the formation of an individual educational trajectory, taking into account the provisions of Art. 62 of the Law of Ukraine "On Higher Education", applicants can choose components of the educational program from other educational programs, both similar and other levels of higher education, in agreement with the dean of the faculty <sup>1</sup>	6
	The total amount of optional components:	60
	Practical training	
Practical	training 1	3
Practical	training 2	6
Total:		9
	Attestation	
Preparation	n for attestation	3
Preparation	n of graduation and qualification work and its protection	6
Total:		9
TOTAL F	CP VOLUME	240

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

https://knute.edu.ua/file/NzU4MQ==/f97864d4b918244e228a0400a9a98f96.pdf

<sup>&</sup>lt;sup>1</sup> The procedure for forming an individual educational trajectory is regulated by the Regulation on the organization of the educational process of students URL:

#### 3.3. Structural and logical scheme of EP



#### **3.4.** Form of attestation of applicants of higher education

Attestation of applicants for a bachelor's degree in international economic relations is carried out in the form of:

- public defense (demonstration) of the graduation qualification work.

Graduation qualification work involves the independent solution of a complex task or a complex problem in the field of international economic relations, which is accompanied by research and/or the application of innovative approaches and is characterized by the uncertainty of conditions and requirements.

There should be no academic plagiarism, falsification, fabrication, or cheating in the graduation qualification work.

The graduation qualification work must be posted on the website of the higher education institution or its structural subdivision, or in the repository of the higher education institution.

Competences		CC1	CC2	CC3	CC4	CC5	CC6	CC7	CC 8	CC 9	CC10	CC11	CC 11.1	CC 12	CC 13	CC14	CC 15	CC16	CC17	CC 17.1	CC 18	CC19	CC20	CC 21	CC 22
	1				+	+		+						+									+		
	2			+	+	+															+				
General competences	3	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+		+	+
enc	4						+				+					+	+		+	+		+	+		
beti	5				+				+				+	+						+					+
du	6		+															+							
co	7	+											+		+				+	+	+			+	+
al	8			+		+	+			+	+	+	+	+	+	+			+	+		+	+		+
ner	9								+				+							+		+			+
Jei	10		+						+						+		+	+					+		
	11		+													+	+		+		+	+			+
	12									+		+	+			+			+	+		+	+		
	1			+	+					+		+	+		+								+		
	2			+						+		+	+										+		
	3			+						+		+	+		+				+	+			+		
ses	4									+	+	+	+			+						+			+
enc	5	+					+								+			+	+	+		+		+	+
oeto	6														+			+	+	+					+
du	7											+	+												
co	8								+			+	+						+	+		+			+
	9				+		+	+				+	+	+	+			+					+		
2008	10				+			+	+			+		+									+		
SSI	11				-							+	+		+							+	+		+
le	12							+	+				-	+	+										+
pro	13								+			+	+										+		-
1 ()	14		+						-				-						+	+					
cia	15								+			+	+				+		+	+			+		+
Special (professional) competences	16		+						+			+	+				+		+	+	+	+			+
$\sim$	17																		+	+	+	,		+	+
	18		+						+							+	+	+	+	+		+		+	+
	19	+	I						1						+	1	,	1	+	+	+	1		+	

# **3.5** Matrix of correspondence of program competencies to compalsory components of the educational program

Compone Competer		0C 1	OC 2	0C 3	0C 4	0C 5	0C 6	0C 7	0C 8	0C 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
	1	+						+	+		+		-	•	•	•	Ū	•	+	-	•	+	+	+	+		•	-	Ū	•	•	+	•	+	•	•	•			
	2	+	+		+			+			+															+		+				+	+							
S	3	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Jce	4	+	+	+										+	+	+	+	+		+	+			+											+	+	+			
ster	5										+																					+								
ube	6			+																																+				
General competences	7						+													+															+			+		
al c	8					+						+				+								+	+				+				+							
ner	9	+	+					+			+	+							+			+	+	+	+	+	+	+	+				+	+						
Gei	10				+	+		+	+	+			+			+	+	+		+	+						+		+	+	+	+					+	+	+	+
	11			+				+	+	+		+		+	+	+					+	+	+	+					+	+				+	+	+				
	12				+					+			+	+	+						+									+	+					+				
	1								+										+			+	+																	
ces	2								+																															
enc	3					+																																		
pet	4				+	+			+	+					+					+	+																			
mc	5																													+	+									
) CC	6												+	+			+				+									+	+						+	+	+	+
nal	7															+		+																						
sio	8		+	+				+	+	+							+							+												+				
ess	9																					+	+		+	+	+	+	+					+						
rof	10																		+								+							+						
l (p	11					+													+								+		+											
cia	12			+					+				+	+					+			+	+																	
Special (professional) competences	13																		+																		+			
S	14			+																																		ı	1	

# **3.6** Matrix of correspondence of program competencies to optional components of the educational program

	15 16		+	+	+	-	ł	+ +	+ +	+ +	+ +	+ + +	+ + + +	+ + + + +	+ + + + + +	+ +	+ + + + + +	+ + + + + +	+ +	+ +	+ + + + + + +	+ +	+ + + + + + +	+ + + + + + +	+ + + + + + +		+ + + + + + + + + + + + + + + + + + + +	+ + + + + + + + + + + + + + + + + + + +	+ + · · · · · · · · · · · · · · · · · ·			+ + · · · · · · · · · · · · · · · · · ·	+     +     -     -     +     -     -       +     +     +     +     +     +     +     +
	10		1								+	+	1																	+			
	18			+			+			+	+	+						+	1							+	+			+	+	+	+
	19										+	+							1											+			

3.7. Matrix of provision of program learning outcomes with corresponding compulsory components of educational programs

Components/ Software the results learning	CC 1	CC 2	CC 3	CC 4	CC 5	CC 6	CC 7	CC 8	CC 9	CC 10	CC 11	CC 11.1	CC 12	CC 13	CC 14	CC 15	CC 16	CC 17	CC 17.1	CC 18	CC 19	CC 20	CC 21	CC 22
1	+	+	+	+	+		+	+			+	+	+		+	+	+	+	+	+	+	+	+	+
2		+										+					+	+	+					
3	+					+								+				+	+				+	
4											+	+		+		+		+	+					
5		+		+	+	+		+									+				+			+
6				+														+	+	+				
7	+					+			+	+	+	+		+	+	+		+	+		+			+
8			+	+							+	+										+		
9											+	+				+					+			+
10			+								+	+		+								+		
11									+	+	+	+			+	+					+			+
12	+								+		+	+		+										
13	+										+	+		+		+		+	+					
14											+	+												
15							+				+	+						+	+	+				
16			+		+		+					+	+	+										
17							+	+				+	+									+		
18	+					+			+		+	+									+			
19				+			+			+			+									+		
20				+			+				+													
21		+					+	1									+							
22				+							+	+						+	+		+			
23		+	+	+	+			1		+		+					+	+	+	+				
24	+					+		1				+		+				+	+		+		+	
25								1			+	+							+		+		+	+
26																		+	+				+	

27					+	+			+		+	+		+	+	
28			+					+			+	+			+	
29										+	+	+	+		+	

### 3.8. Matrix of the provision of program learning outcomes with the relevant optional components of educational programs

L a		1				r	r	1	1	r	r		-					1		r				· · ·				1							-	_			
Components/ Software the results learning	0C 1	0C 2	0C 3	0C 4	0C 5	0C 6	0C 7	0C 8	0C 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
1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
2			+																												+								
3						+						+							+															+	+				
4											+		+																+							+	+	+	+
5	+	+	+				+				+										+		+	+	+		+	+				+							
6							+												+				+																
7				+	+				+			+	+				+			+															+				
8				+				+													+	+																	
9					+				+						+	+			+	+									+	+						+	+	+	+
10				+																																			
11				+		+			+				+							+																			
12				+	+																																		
13					+							+				+													+	+						+	+	+	+
14																	+																						
15							+		+					+	+			+									+								+				
16																					+	+		+									+						
17		+							+									+			+	+				+							+						
18					+								+					+								+		+											
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24																																							
25																																							
26													+																	+									
27				+									+	+						+									+	+						+	+	+	+

28							+	+									+ +	-	
29					+		+	+									+	-	