BORYS GRINCHENKO KYIV UNIVERSITY

"APPROVED"

the decision of the Academic Council of Borys Grinchenko Kyiv University April 27, 2017, Minutes No. 4

Chairman of the Academic Council, Rector V. Ogneviuk

ACADEMIC PROFESSIONAL PROGRAMME

035.04.01 Language and Literature (English) the first (Bachelor's) degree of higher education

Branch of knowledge: 03 Humanities **Specialty**: 035 Philology

Specialization: 035.04 German Languages and Literature

(Translation included)

Launche	d on September 1, 2017	
(order of_	2017 No)

This Academic Professional Programme was developed on the basis of the Law of Ukraine "On Higher Education" by the Departments of English Philology and Translation, Germanic Philology in the Institute of Philology of Borys Grinchenko Kyiv University.

Developed by a working group including:

Yakuba V.V., Candidate of Sciences in Philology, Head of English Philology and Translation Department.

Matveychenko V.V., Candidate of Pedagogical Sciences, Associate Professor of English Philology and Translation Department.

Kalytiuk L.P., Candidate of Sciences in Philology, Associate Professor of Germanic Philology Department;

Moskalets O.O., Candidate of Pedagogical Sciences, Associate Professor of English Philology and Translation Department.

Independent experts:

Moryakina I.A., Candidate of Sciences in Philology, Head of English Philology Department, Kyiv National Linguistic University

Potapenko S.I., Doctor of Philology, Professor, Head of English Philology Department, Nizhyn Gogol State University

Reviews of professional associations / employers:

Andriyanova Svitlana, President of IATEFL — Ukraine, a Ukrainian associate of International Association of Teachers of English as a Foreign Language

Shevtsova Svitlana Mykhailivna, Candidate of Philosophic Sciences, Director of International Affairs Lyceum № 51

This Education Programme has been introduced since 2017.

This Education Programme is revised every five years.

Updated:

Revision date of EP /	30.05.2018	
amendments to EP		
Signature		
EP guarantor name	Yakuba V.V.	

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I. Education Programme Profile 035 Philology 035.04 Germanic Languages and Literature (Translation included)

1 – General information		
Full name of the	Borys Grinchenko Kyiv University	
higher education	Institute of Philology	
institution		
and the structural		
unit		
Academic degree	Academic degree: Undergraduate, Bachelor's	
and qualification (in	Specialty: 035 Philology	
original language)	Specialization: 035.04 Germanic Languages and	
	Literature (Translation included)	
	Education Programme: 035.04.01 Language and literature	
	(English)	
	Educational qualification: Bachelor of Philology in German	
	Languages and Literature (Translation included)	
	Professional qualification:	
	2444.2 - philologist;	
	2320 - English language and literature teacher.	
Official title of	Education Programme: 035.04.01	
Education	Language and Literature (English)	
Programme		
Diploma type and	Bachelor's degree, unitary,	
volume of Education	240 ECTS credits,	
Programme	length of study is 3 years 10 months	
Accreditation	National Agency for Higher Education Quality Assurance.	
	Ukraine.	
	Accreditation of the Programme is expected in 2019.	
Cycle/Level	National Qualifications Framework of Ukraine - 7th level,	
D · · ·	FQ-EHEA – the first cycle, EQF-LLL – 6th level	
Prerequisites	Full secondary education diploma.	
Language (s) of	Ukrainian, English	
Study		
Expiry date of the	2022	
Education		
Programme		
Education	http://kubg.edu.ua/informatsiya/vstupnikam/napryami-	
programme in the	pidgotovki/bakalavr.html#035	
Internet		

2 – The Education Programme Objectives

To provide profound education in the field of Germanic philology (English and German languages and literature) along with the capability of communicating fluently in foreign language and wide access to job opportunities. To prepare students who demonstrate special interest to certain branches of philology for obtaining further education. To form communicative, linguistic, social and cultural competences of students who plan to work as foreign language teachers paying close attention to their prospective professional demands.

3 - Characteristics of the Education Programme		
Subject area	03 Humanities, 035 Philology,	
(branch of	035.04 Germanic languages and Literature (Translation	
knowledge,	included)	
specialty,		
specialization)		
The Education	Academic Professional Programme.	
Programme data	The Programme is based on reliable scientific results, taking the present-day state of philology into consideration. The Academic Professional Programme forms skills and abilities that help master English language as a means of communication at all levels (B1+, B2) in everyday, educational, scientific and professional spheres. The Programme is aimed at acquiring field-specific language skills and abilities by bachelors. The Programme is multidimensional and subdivided into modules; it provides standardized ground for developing university courses and curricula for Translation studies according to the professional demands of translation students; promotes the mobility of Philology students and their competitiveness on the labor market. If considered in a broader context the Programme is aimed not only at pragmatic competence development, but also takes into consideration social and	
	cultural peculiarities of the society in which the prospective	
	professionals will live and work.	
The main focus of	General – Bachelor of Philology	
the Education	Special – Philologist, Translator, Teacher of English	
Programme and	Language and World Literature	
Specialization	The December and decided the constitution of the constitutions of the constitution of	
Important features	The Programme provides the possibility of obtaining an	
of the Programme	additional qualification of the Teacher of Second Foreign	
	Language and Translator.	

4 – Eligibility	of graduates for employment and further education
Employment	The graduates can occupy positions in educational and
Eligibility	scientific institutions, political and public organizations
8	companies, enterprises:
	According to the National Occupation Classification
	003:2010 professionals who obtained education within the
	scope of «Language and Literature (English)» programme
	can occupy the following positions:
	2444.2 — philologist, linguist;
	2444.2 — philologist, miguist, 2444.2 — translator;
	2451.2 — literary consultant;
	2451.2 — reporter;
	2451.1 — literary critic;
	2320 — teacher of the secondary school (teacher of English
	and World literature).
Further education	Master professional and scientific-oriented programmes o
	English/German philology and interdisciplinary
	programmes, related to philology (journalism, linguistics
	rhetorics, theory of communication, cultural linguistics
	dialectology, modern discourse studies, scientific and
	business communications etc.).
	5 – Teaching methods and assessment
Teaching and	The process of teaching and studying is student-centered
studying	and implies democratic basis of teaching, namely person-
studying	oriented, operative, creative approaches. Types of studying
	include lectures, seminars, practical classes; self-studying
	assignments; critical and analytical home reading
	individual studying and research activity with the help of
	textbooks, Internet resources and notes; individual and
	group consultations with teachers; preparation of course
	papers (within philology and methodology) and bachelog
	papers (within linguistics); distance education relying on e
	learning courses of professional disciplines; involvement in
	student projects; participation in special interest groups and
	discussion clubs.
Assessment	BGKU internal system ensures and continuously monitors
	the quality of educational services provided in the forms o
	written and oral exams, reports on assistant and translation
	practice, presentations, cross-test control, ongoing
	monitoring, graduation exams, defense of course paper

	(within linguistics). The work is evaluated according to the BGKU unified grading system (Order No. 817 dated 15.12.2017, "On the Academic Process Organization").
	6 - Programme competencies
Integrated competencies	Students are able to solve complex tasks and problems in the field of linguistics and translation in the process of professional activity, further education and self-improvement by conducting research and/or implementing innovations. Integrated competences are characterized by the uncertainty of conditions and requirements.
General	
Competencies	a) reflective competency
(GC)	• ability to analyze systematically main tendencies of
GC 1	historical development of Ukrainian nation, value its historical, cultural, moral and ethical achievements and
	contribute to resolving urgent state and public problems.
GC 2	• critical thoughts and realization of position values of personality.
	b) public competency
GC 3	ability to be critical and self-critical.
GC 4	• proficiency to find, recognize and solve problems.
GC 5	 facility to value and respect diversity and multiculturalism.
	c) informational competency
	1. mastering discipline and ability to build education process,
GC 6	which can yield high efficiency rates; 2. implementing effective methods and ways of teaching,
GC 7	well-measured means of achieving a certain goal; 3. accomplishment to make own decisions (aspiration to
GC 8	success).
	d) communicative competency
GC 9	• ability to complete tasks in the group under the control of a leader, similar skills that demonstrate ability to comply with the disciplinary and time management regulations in effect.
GC 10	• compliance with ethical principles, which concern professional integrity and influence of achievements in the field of philology on the society;
GC 11	• sensitivity to cultural differences and their influence (ability to be culturally sensitive and to identify and use different ways of communication with representatives of

	different cultures).
	e) scientific and research competency
GC 12	• flexible mindset, susceptibility to new philological knowledge and competencies within the wide scope of job opportunities and everyday life;
GC 13	ability to analyze and synthesize logical arguments and proved facts;
GC 14	 motivated self-assessment and readiness to constant self- improvement;
GC 15	• ability to get the result in limited time conditions paying attention to professional faithfulness and plagiarism avoidance.
	f) self-education competency
GC 16	• ability to master new professional fields on one's own using linguistic and literary knowledge;
GC 17	• time management (command of skills that demonstrate ability to comply with strict disciplinary and time management regulations in effect);
GC 18	• ability to get used to new situations (ability to use acquired competencies in complicated new conditions).
Professional	
Professional	
	a) Professional:
competences of the specialty PC 1	• philological competency (development of linguistic knowledge, linguistic and communicative skills; expanded and in-depth informational awareness of linguistic
competences of the specialty	 philological competency (development of linguistic knowledge, linguistic and communicative skills; expanded and in-depth informational awareness of linguistic problems); ability to outline a large scope of objects and processes which is grounded in profound understanding of wide range of philological theories and themes;
competences of the specialty PC 1	 philological competency (development of linguistic knowledge, linguistic and communicative skills; expanded and in-depth informational awareness of linguistic problems); ability to outline a large scope of objects and processes which is grounded in profound understanding of wide range of philological theories and themes; obtaining analysis of philological phenomena (linguistic and literary) from the point of view of fundamental philological principles and knowledge on the basis of
competences of the specialty PC 1 PC 2	 philological competency (development of linguistic knowledge, linguistic and communicative skills; expanded and in-depth informational awareness of linguistic problems); ability to outline a large scope of objects and processes which is grounded in profound understanding of wide range of philological theories and themes; obtaining analysis of philological phenomena (linguistic and literary) from the point of view of fundamental philological principles and knowledge on the basis of general scientific methods; methodical, psychological and pedagogical competency (advanced knowledge about human development patterns, formation of psychological processes of memory, thinking,
competences of the specialty PC 1 PC 2 PC 3	 philological competency (development of linguistic knowledge, linguistic and communicative skills; expanded and in-depth informational awareness of linguistic problems); ability to outline a large scope of objects and processes which is grounded in profound understanding of wide range of philological theories and themes; obtaining analysis of philological phenomena (linguistic and literary) from the point of view of fundamental philological principles and knowledge on the basis of general scientific methods; methodical, psychological and pedagogical competency (advanced knowledge about human development patterns,
competences of the specialty PC 1 PC 2 PC 3 PC 4	 philological competency (development of linguistic knowledge, linguistic and communicative skills; expanded and in-depth informational awareness of linguistic problems); ability to outline a large scope of objects and processes which is grounded in profound understanding of wide range of philological theories and themes; obtaining analysis of philological phenomena (linguistic and literary) from the point of view of fundamental philological principles and knowledge on the basis of general scientific methods; methodical, psychological and pedagogical competency (advanced knowledge about human development patterns, formation of psychological processes of memory, thinking, imagination, feelings and other features of a personality); mastering linguistic and didactic skills required for

world literature and folklore; literature and reality, and functioning of literature, sense and form in li artistic criteria, literary process, literary style, method in literature; image, idea, theme, poet genre, composition, poetic language, rhythm, phonics in its stylistic dimension); PC 7 • informational competency (good knowledge of Internet technologies and software to work valuernet); • communicative and technical competency (ability modern IT-technologies in professional activity, good knowledge of Microsoft Word, Excel, Power Smart Notebook etc., smart board usage skills, a create one's own projects and presentations using technologies etc.). b) Foreign language communicative competency: language competency • Lexical competency comprises: mastering grammatical, orthographic skills and knowledge of semantics, stylistic characterist paradigm of words forms, derivation and combinate the language, sentence functions, derivation ways polysemy, lexical antonyms, lexico-semantic	terature, artistic tic type, poetry, modern with the ty to use namely: er Point, ability to
Internet technologies and software to work value Internet); • communicative and technical competency (abilimate modern IT-technologies in professional activity, good knowledge of Microsoft Word, Excel, Power Smart Notebook etc., smart board usage skills, a create one's own projects and presentations using technologies etc.). • Foreign language communicative competency: language competency • Lexical competency comprises: mastering grammatical, orthographic skills and knowledge of semantics, stylistic characterist paradigm of words forms, derivation and combinate the language, sentence functions, derivation ways	ty to use namely: er Point, ability to
modern IT-technologies in professional activity, good knowledge of Microsoft Word, Excel, Powe Smart Notebook etc., smart board usage skills, a create one's own projects and presentations using technologies etc.). b) Foreign language communicative competency: language competency • Lexical competency comprises: mastering grammatical, orthographic skills and knowledge of semantics, stylistic characterist paradigm of words forms, derivation and combinative language, sentence functions, derivation ways	namely: er Point, ability to
PC 9 language competency • Lexical competency comprises: mastering grammatical, orthographic skills and knowledge of semantics, stylistic characterist paradigm of words forms, derivation and combinathe language, sentence functions, derivation ways	
PC 9 • Lexical competency comprises: mastering grammatical, orthographic skills and knowledge of semantics, stylistic characterist paradigm of words forms, derivation and combinathe language, sentence functions, derivation ways	
pc 9 grammatical, orthographic skills and knowledge of semantics, stylistic characterist paradigm of words forms, derivation and combinathe language, sentence functions, derivation ways	
phraseology peculiarities etc.	owledge; cics, the ability of s, lexical
• Grammatical competency comprises: grammatic development, systematization and deepening no grammar knowledge with elements of its the comprehension, teaching and practical use;	ormative eoretical
PC 11 • Phonetic competency components are knowledged speech sounds and their combinability peculiarities of producing sounds and phonetic provice, intonation, sound interchange; transcription, alphabet and phonetic speech (receptive and reproductive).	patterns; rocesses; phonetic
Speech competency	
PC 12 • knowledge of special vocabulary, means of restructured text organization and lexical means expressing communicative intentions;	_
PC 13 • ability to provide conversation in real or si situation or with native speakers;	
PC 14 • ability to listen and comprehend authentic to different genres and topics; ability to communication thoughts according to certain types of texts with respect to the communication of the com	ate one's

PC 15	 communicative and stylistic integrity parameters and language correctness; ability to create texts of certain types (reader's notes, formal letters, reviews, commentaries) up to 150-200 words in size; knowledge of different types of speech activity in different situations of intercultural communication;
PC 17 PC 18	 country knowledge competency (knowledge about the culture of the country, the language of which is studied; obtaining peculiarities of verbal and non-verbal behaviour of native speakers in different communicative situations); translation competency (knowledge of special translation transformations, ability to use them in translation, ability to define main translation notions).
	7 - Programme Educational Results
	Knowledge and understanding of:
PER 1 PER 2 PER 3 PER 4 PER 5 PER 6	 Fluency in the language (C1); understanding of all language, speech and communicative phenomena of English language; new linguistic theories and their interpretation; main lexical, phraseological, phonetic, derivative, morphological and syntactic norms of modern English language; main ways of analysis, description and interpretation of English language phenomena; Literary concepts, main highlights of the literature development, main highlights of life and creative path of writers, historical signs of the concepts of literature, artistic image, genre-stylistic features of works in original language and signs of their translations; psychological and pedagogic bases of education process at school and peculiarities of their implementation in professional activity.
	Applying knowledge and insights:
PER 8 PER 9 PER 10	 lifelong education, perfection of intellectual and cultural competencies; perfection of moral qualities of one's own personality; knowledge of main parts of modern English language with keeping its lexical, stylistic, orthoepic and grammatical norms;
PER 11	• good command of foreign language for free written and oral translation, professional and interpersonal communication;

PER 12	• ability to investigate poetics of original and translated text, establish the peculiarities of the language in a literary work, expressive means, genre variations, peculiarities of imagery, define the style of an artistic text and individual style of a writer, single out sense dominants of the text, perform one's own interpretation of the text, define artistic value of the texts, using main notions and terms of literary studies;
PER 13	 mastering pedagogical techniques, means of professional and pedagogical self-improvement, culture of pedagogical communication;
PER 14	 transference of language skills and abilities into translation and educational practice.
PER 15	Formed Proficiency • implement the main management functions of analysis, organization, control, self-control in the process of organizational, methodical, teaching, scientific, educational and other types of
PER 16	activities;ability to build prognostic scenarios and models of communicative
PER 17	 and sociocultural situations development; comprehend literature as a system of subsystems, and to understand the evolution of world literary studies;
PER 18	• employ theories and use practical skills of designing, constructing and modelling the education process, forming different types of plans for organizing the education process in foreign language;
PER 19 PER 20	 ability to construct education products of one's own development; self-assessment and assessment of the results or product of certain activity and the ways to achieve it.

8 – Resource support of the Programme Implementation

Staff support	English Philology and Translation Department provides
	appropriate qualified support of the academic process, with
	the involvement of specialists from other departments of
	the Institute of Philology, namely, the Department of
	Germanic Philology, the Department of World Literature,
	the Department of Romance Philology and Comparative
	Historical Linguistics, the Department of Ukrainian
	Literature and Comparative Linguistics, the Department of
	Ukrainian Language.
	Project team leader and teaching staff who are responsible
	for the implementation of the Program, comply with the
	demands stated in the License terms of conducting

	education process in higher education institutions.	
Resources and technical support	Resources of Borys Grinchenko Kyiv University - premises, technical equipment, information and software resources are used for specialists' training.	
Informational, methodological and educational support	The academic process is conducted by the Moodle e- learning platform, through Microsoft personal cabinets and accompanying software products developed by specialists of Borys Grinchenko Kyiv University.	
9 – Academic mobility		
National credit mobility	Evaluation of study results and academic achievements is aligned with the European credit system and relative to the national grading scale, which makes offsetting loans between various universities of the country.	
International credit mobility	Borys Grinchenko Kyiv University is a signee of the Bologna system and operates on the basis of agreements between partners for cooperation with universities of the world.	
Foreign students education	As the learning process is mainly in English and the language components of the program have a foreign language support, citizens of other countries who speak English at least B2 is able to get the education within this Programme.	

II. The list of components and their logical sequence 2.1. List of components

Compone	Code e/d	Components of educational program	Amount of	Form of final
nt code		(educational subjects, course projects	credits	control
		(paper), practice, qualification work)		
1	2	3	4	5
		Compulsory components of th	e EP	
		General competencies format	tion	
CC1	CSG.01	University Studies	4	credit
CC2	CSG.02	Ukrainian Studies	6	exam
CC3	CSG.03	Philosophical Studies	4	exam
CC4	CSG.04	Physical Education	4	credit
		Professional competencies format	tion	
CC5	CSP.01	Contemporary Linguistics	6	exam, credit
CC6	CSP.02	IT in Foreign Languages	4	credit
CC7	CSP.03	Practical Oral and Written English	26	credit, exam

CC8	CSP.04	Practical English and Translation	24	credit, exam
CC9	CSP.05	Critical and Analytical Reading	7	credit
CC10	CSP.06	Practical Phonetics	6	exam, credit
CC11	CSP.07	Practical Grammar	6	exam
CC12	CSP.08	Translation and Country Studies	4	credit
CC13	CSP.09	Theoretical Phonetics	4	exam
CC14	CSP.10	History of English	4	exam
CC15	CSP.11	English Lexicology	4	exam
CC16	CSP.12	Theoretical Grammar of English	4	exam
CC17	CSP.13	English Stylistics	4	exam
CC18	CSP.14	World Literature	20	exam, credit
		Psychology and pedagogical skills train	ning unit	1
CC19	CSP.15	Psychology	4	exam
CC20	CSP.16	Practical Pedagogy and Teaching	18	exam
		Methodology		
Total fo	r theoretical s	studies	163	-
		Practice		1
CC21	CP.01	School Internship	9	credit
CC22	CP.02	Research Practice	3	credit
Total fo	r Practice		12	-
		Attestation	1	•
CC23	CA.01	Complex examination in Psychology,	1	
		Pedagogy and Teaching Methodology		
CC24	CA.02	Preparation and defense of a	4	
		Qualification Bachelor paper		
Total a	mount of con	npulsory components		180
		Elective components of the El	P	
	Ele	ective block 1 (specialization «Second fore)
EC1	EMS.1.1	Practical Oral and Written (second	40	exam, credit
		language)		ŕ
EC2	EMS.1.2	Practical Course of second language	6	credit, exam
		translation		
EC3	EMS.1.3	Theoretical course of the second	4	credit
		language		
EC4	EMS.1.4	Second language Country Studies	4	credit
Practice	,		ı	1
EC5	T	School Practice in minor	4,5	credit
	EP 1.01	2 4110 01 1 1 W 411 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	,	
Attestat			,	
Attestat EC6		Qualification Exam in minor	1,5	exam
EC6	ion	Qualification Exam in minor		exam
EC6	EA 1.01	Qualification Exam in minor	1,5	
EC6	EA 1.01	Qualification Exam in minor	1,5	

TOTA	L VOLUME (240	240					
Total a	mount of sele	ctive components	60					
Total fo	r specializatio	on	60					
EC6	EA 2.01	Qualification Exam in minor	1,5	exam				
At	testation							
EC5	EP 2.01	Professional Internship (Translation)	4,5	credit				
F	Practice							
EC4	EMS.2.5	IT in Translation	6	credit				
EC4	EMS.2.4	Translation Theory	4	credit				
EC3	EMS.2.3	Consecutive Translation	10	credit				

2.2. Structural and logical scheme

1 course	2 course	3 course	4 course
	Formation of gen	eral competencies	
University Studies, 4			
credits			
Ukrainian Studies, 6			
credits			
	Philosophical S	Studies, 4 credits	
Physical education,			
4 credits			
	Formation of profes	ssional competencies	
Contemporary			
linguistics,			
6 credits			
IT in foreign			
languages,			
4 credits			
Practical Oral and Wri	tten English, 37 credits		
			Translation, 24 credits
	Critical and Analytic	cal Reading, 7 credits	
Practical Phonetics,			
6 credits			
Practical (,		
6 cre			
	Translation and		
	Country Studies,		
	4 credits		
	Theoretical Phonetics,		
	4 credits		
		History of English,	
		4 credits	
		English Lexicology,	
		4 credits	
			Theoretical Grammar,
			4 credits

			English Stylistics,
			4 credits
	World literat	ure, 20 credits	4 Cicuits
Psychology, 4 credits	World Itterat	dre, 20 credits	
	etical Pedagogy and Teac	thing Methodology, 18 cre	dita
1100		ectice	uits
		School Internship, 9 credi	te .
		School memship, 7 crear	Research Practice,
			3 credits
	Attos	tation	J credits
	711103	lulion	Complex Examination,
			1 credit
			Bachelor project
			defense,
			4 credits
	Specia	lization	1 42 4 42 42
		Oral and Written (second	language).
		40 credits	- G G);
	Practical Cours	e of second language Tran	slation, 6 credits
		Theoretical course of	
		the second language,	
		4 credits	
		Second language	
		Country Studies,	
		4 credits	
	Pra	ctice	
			Professional
			Internship,
			4, 5 credits
	Attes	tation	
			Qualification
			examination,
			1, 5 credits

III. Certification form of undergraduates

Certification of graduates of the Educational Programme of the specialty 035 Philology is carried out in the form of Qualification Examination in Psychology, Pedagogics and Teaching Methods, preparation and public defence of a Bachelor Project. Graduates receive standardized Bachelor Diplomas with Bachelor of Philology degree assigned.

Attestation is open and public.

IV. Matrix of competencies according to the program comp

GC 1 + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + +								V • 1	Tut	11/1	JI C	7111	, cc	11010	,		WIII	5 0	CIIC	Pr.	8-		comp
GC 2 + + + + + + + + + + + + + + + + + +		CSG.01	CSG.02	CSG.03	CSG.04	CSP.01	CSP.02	CSP.03	CSP.04	CSP.05	CSP.06	CSP.07	CSP.08	CSP.09	CSP.010	CSP.011	CSP.012	CSP.013	CSP.014	CSP.015	CSP.016	CP.01	CP.02
GC 3	GC 1			+		+								+	+	+	+	+		+	+		
GC 4	GC 2	+	+		+	+													+	+	+		
GC 5	GC 3	+	+		+																	+	+
GC 6 GC 7 H GC 8 H H H GC 8 GC 9 H H H H H H H H H H H H H H H H H H H	GC 4	+	+		+	+	+							+	+	+	+	+				+	+
GC 7 GC 8 H + H H H + H + H + H + H + H + H +	GC 5	+		+		+													+			+	+
GC 8 GC 9 H + H + H + H + H + H + H + H + H + H +	GC 6						+															+	
GC 9 + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + + +	GC 7						+																+
GC10 + + + + + + + + + - + - + - - + - - - + - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -	GC 8				+		+																
GC11 + + + + + + + + + + + + + + + + + + +	GC 9	+	+		+			+	+					+	+	+	+	+				+	+
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GC13 + + + + + + + + + + + + + + + + + + +	GC11							+	+										+				
GC14 + + + + + + + + + + + + + + + + + + +	GC12			+					+														+
GC15 + + + +	GC13			+					+					+	+	+	+	+					+
GC 16 + + + + + GC 17 + GC 18	GC14			+					+														+
GC 17 + GC 18	GC15							+	+														+
GC 18	GC 16			+				+	+														
	GC 17				+																		
PC 1 + + + + + + + + + + + + + + + + + +	GC 18																						
	PC 1				+			+	+					+	+	+	+	+					
PC 2 + + + + + + + + + + + + + + + + + +	PC 2				+			+	+					+	+	+	+	+					

PC 3		+		+	+				+	+	+	+	+	+				
PC 4																	+	
PC 5																	+	
PC 6						+											+	
PC 7			+															+
PC 8			+															+
PC 9				+	+			+										
PC 10					+													
PC 11				+	+		+											
PC 12				+	+													
PC 13				+	+													
PC 14				+	+													
PC 15				+	+													
PC 16				+	+													
PC 17						+									+			
PC 18					+													

V. Matrix of learning outcomes according to the program co

										1			1						1			
	CSG.01	CSG.02	CSG.03	CSG.04	CSP.01	CSP.02	CSP.03	CSP.04	CSP.05	CSP.06	CSP.07	CSP.08	CSP.09	CSP.010	CSP.011	CSP.012	CSP.013	CSP.014	CSP.015	CSP.016	CP.01	CD 02
PER 1							+	+														
PER 2													+	+	+	+	+					
PER 3					+																	
PER 4										+	+											
PER 5													+	+	+	+	+					
PER 6																		+				
PER 7																			+	+		
PER 8	+			+																		
PER 9			+	+																		
PER 10													+	+	+	+	+					
PER 11								+				+										
PER 12									+									+				
PER 13																			+	+	+	+
PER 14																					+	+
PER 15																				+	+	+
PER 16	+	+	+																			
PER 17									+									+				
PER 18																						+
PER 19						+																+
PER 20																						+
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