MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE

National Technical University
"Kharkiv Polytechnic Institute"

EDUCATIONAL-PROFESSIONAL PROGRAM
"PSYCHOLOGY"

The first (Bachelor's) level of higher education

on specialty 053 "Psychology"

Field of Knowledge 05 Social and behavioral sciences

Qualification: Bachelor of Psychology

Approved by the Academic Council

The head of the academic council

_____/L. L. Tovazhnianskyy

Record No. __ from "___" _____ 201

The educational program is enacted from"___"_____ 201

Rector _____/ E.I. Sokol

Харків
201

The letter of Approval
of the Educational and professional program

Higher Education Level	<u>First (Bachelor's)</u>
Branch of Knowledge	<u>05 Social Behavioral Sciences</u>
Specialty	<u>053 "Psychology"</u>
Specialization	<u>053 "Psychology"</u>
Qualification	<u>Bachelor of Psychology</u>

SUGGESTED	**RECOMMENDED**
The group of support of	
The specialty "Spychology"	NTU "KhPI" Methodical Council
The Head of the group of support	Deputy Chairman of the methodical council
_____ N.V.Pidbutska	_____ R.P. Mygushchenko
"___" _____ 2018	"___" _____ 2018

AGREED	**AGREED**
Head of the Department of Social System	Dean of the Faculty
Control Pedagogy and Psychology	of Social and Humanitarian
Named after I. A. Ziaziun	Technologies
_____ O.G. Romanovskiy	_____A. V. Kipensky
"___"_____ 2018	"___" _____ 2018

APPROVED AND ENABLED

By the order of the rector of the National Technical University "Kharkiv Polytechnic Institute" from "_____" _____ 2018, No_____

FOREWORD

1. Developed by a working group of the Department of Pedagogy and Psychology of Management of Social Systems by acad. I. A. Zyazyun on the specialty
053 "Psychology" on the ground of the Standard of NTU "KhPI" on the field of knowledge 05 Social and behavioral sciences, specialty 053 Psychology of the first (Bachelor's)level,level of education:Bachelor:

2. Developers:

   1. Doctor of Psychological Sciences, Docent, Professor of the Department of Pedagogy and Psychology of Management of Social Systems by
      acad. IA Zyazun
      N.V. Pidbutska is the head of the project team
   2. Candidate of Psychological Sciences, Docent G.V. Popova - Professor of the Department of Pedagogy and Psychology of Management of Social Systems by acad. I. A Zyazun

   3. Candidate of Psychological Sciences, Docent Zh.B. Bogdan – Docent of the Department of Pedagogy and Psychology of Management of Social Systems by acad. I. A Zyazun

1. Profile of the educational and professional program "Psychology" on the specialty 053 Psychology

1 – General information	
Full name of higher educational institution and structural unit	National Technical University "Kharkiv Polytechnic Institute" Faculty of Social and Humanitarian Technologies
Higher education level and the name of qualification in the original language	Bachelor Educational qualification: Bachelor of Psychology
Description of the subject area	**Subject of study:** psychic phenomena, their emergence, functioning and development; behavior, activities, actions; interaction of people in small and large social groups; psychophysiological processes and mechanisms which underlie various forms of psychic activity. **Aims of teaching:** the formation of scientific ideas about the nature of the psyche, the methods and results of the study of psychic phenomena; development of the ability to apply psychological knowledge in terms of professional activity. **Theoretical content of the subject area:** a system of psychological knowledge, basic categories and concepts, laws, mechanisms, methodological approaches, explanatory principles, scientific and applied tasks. **Methods, technics and technologies:** methods of theoretical and empirical research, valid, standardized psychodiagnostic techniques, data analysis methods, psychological assistance technology. **Instruments and equipment**: psychological devices, computer technology, modern information and communication technologies.
Official name of the educational program	Educational and Professional Program
Type of diploma and the volume of	Single degree, 240 credits ECTS / 4years.

the educational program	
Availability of accreditation	01.07.2019
Cycle / Level	NQF – 6 level FQ-EHEA – the first cycle, QF LLL – 6 level,
Prerequisites	full secondary education
Teaching language	Ukrainian
Validity of education program	According to the validity period of the accreditation certificate
Internet address of the permanent placement of the description of educational program	http://web.kpi.kharkov.ua/ppuss/specialnosti/

2 – The Aim of the Educational Program
Providing students with information on theoretical, applied and practical psychology; ensuring the development of the general and professional competencies necessary for the effective professional activity of the future psychologist. Preparation of Bachelor of Psychology, which possesses the necessary competencies to perform the duties of an applied and practical psychologist.

3 – Characteristics of the educational program	
Subject area (branch of knowledge, specialty, specialization)	Branch of knowledge: 05 Social and behavioral sciences; Specialty: 053 Psychology; Block 1 "Branch psychology", Block 2 "Psychology of management activities"
Orientation of the educational program	Applied orientation. Masters in psychology must acquire a system of general scientific and special methods, professional techniques and technologies necessary for the supply and provision of psychological assistance (training, psychotherapeutic, educational, counseling, psycho-diagnostic and other measures), as well as be able to solve certain problems and tasks subject to mastering system of competencies.
The main focus of the educational	Key words: personality psychology, human resources, client, staffing, personnel management, conflict resolution in activity, psychological technologies,

program and specialization	research, leadership psychology, psychodiagnostics.
Special features of the program	Practical orientation

4 -Suitability of graduates to employment and further training

Suitability for employment	Graduates of a higher education institution with the qualification of "Bachelor of Psychology" will mainly work in such branches of the national economy as health care, physical culture and social security; education; science and scientific service; association of citizens. The main area of employment corresponds to codes 242, 263 ISCO-08 of the International Standard for the Classification of Employment of the International Labor Organization.
Further education	The ability to continue education at the next (Master's) level of higher education by appropriate educational-professional or educational-scientific programs. The possibility of postgraduate education to obtain professional qualifications in accordance with the relevant professional standards.

5 – Teaching and Evaluation of Knowledge

Teaching and Training	Competence approach, student-centered training, problem-oriented training, e-training in the Moodle system, self-study, research-based training
Evaluation	Verbal and written examinations, credits, defense of term papers (projects), defense of the practice report, public presentation with a scientific report, defense of qualification work

6 – Program Competence

Integral competence	The ability to solve complex specialized problems and practical problems in the field of Psychology that involves the use of basic psychological theories and methods and is characterized by complexity and uncertainty of conditions.

General Competences	GC-1. The ability to use knowledge in practical situations.
	GC-2. Knowledge and understanding of the subject area and understanding of the professional activity.
	GC-3. Skills in the use of informational and communication technologies.
	GC-4. The ability to learn and get updated knowledge.
	GC-5. The ability to be critical and self-critical.
	GC-6. The ability to make grounded solutions.
	GC-7. The ability to generate new ideas (creativity).
	GC-8. Skills of interpersonal interactions.
	GC-9 The ability to work in a team.
	GC-10. The ability to exercise the rights and responsibilities as a member of society, to realize the values of civil (free democratic) society and the need for its sustainable development, the rule of law, human and civil rights and freedoms in Ukraine;
	GC-11. The ability to preserve and increase the moral, cultural, scientific values and achievements of society on the basis of 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, to use different types and forms of motor activity for active rest and healthy lifestyle.
	GC-12. The ability for verbal and written professional communication in the state and English languages
	GC-13. Students acquire the skills of using knowledge of biological principles of behavior for the objective analysis of psychic phenomena of a person in psychological practice
	GC-14. Mastering the subject field of anthropology as a scientific direction and academic discipline in the system of social and humanitarian sciences and practice.
	GC-15. Use a comparative analysis of physical (biological), social, cultural, psychological characteristics of an individual, personality
	GC-16. The formation of a humane attitude to a person irrespective of his sex-age, status, ethnic, religious and other differences.
	GC-17. Possessing the skills of designing and presenting the results of scientific research
	GC-18. To Plann and implement individual and social

	environmental responsibility in the "human-environment" system in relation to human ecological health GC-19. To reveal the achievements of the world philosophical thought and the peculiarities of its evolution, preconditions and specifics of the formation of the historical-philosophical paradigm GC-20. To plan and implement the mental state stabilization program at the expense of personal security from real and potential dangers and risks.
Professional (special) Competences	Training in specialty: PC1. The ability to use categorical-conceptual apparatus of psychology PC2. The ability to retrospective analysis of home and foreign experience of understanding the nature of the occurrence, functioning and development of psychic phenomena. PC3. The ability to understand the nature of behavior, activity and goings-on. PC4. The ability to independently collect and critically study, analyze and generalize psychological information from different sources. PC-5The ability to use valid and reliable psychodiagnostic tools PC-6. The ability to plan, organize and conduct independently the psychological research. 3C-7. The ability to analyze and systematize the obtained results, to formulate reasoned conclusions and recommendations PC-8. The ability to organize and provide psychological help (individual and in groups) PC-9. The ability to carry out educational and psychoprophylactic work according to the request PC-10. The ability to stick to the norms of the professional ethics PC-11. The ability for personal and professional self-improvement, training and self-development PC-12. To know and understand the subject area and future profession PC-13. To analyze the level of leadership features and leadership potential of a person PC-14. To analyze and solve production situations

	PC-15. To analyze theoretical and experimental approaches to the study of cognitive, emotional-volitional processes of a person.
	PC-16. To define psychological peculiarities of a person and sources of their origin on an individual and personal levels.
	PC-17. To analyze the psychological features of a potential worker and identify his role in a team
	PC-18. To develop psychological measures to prevent conflicts in the team and develop team work in the group.
	PC-19 The formation of professional ideas about the problems of mental norm and pathology
	PC-20. To analyze and evaluate the processes of interpersonal and group interaction, to use methods of forecasting and managing the processes of social and psychological interaction.
	PC-21. To describe extreme, crisis, injuring situations
	PC-22. To plan and implement the organization of the pedagogical process using psychological and pedagogical technologies
	PC-23 The ability and readiness to use the basic methods, ways and means of prevention and solution of conflicts
	PC-24. To know the peculiarities of family relationships in the communication space of one and several generations
	PC-25. To implement psychological and psycho-corrective work with the selection of relevant diagnostic techniques
	PC-26 To analyze economic phenomena and processes, to recognize different economic schools and trends.
	PC-27. - The meaning of entrepreneurship and its role in the economic development of society, the mechanism of creating their own business, the basis of the theory and practice of traditional and modern management.
	PC-28 To understand the psychological, cultural, historical, national context of the political process
	PC-29. To know the basic psychological mechanisms which operate in large and small social groups
7 – Program learning outcomes	
Program learning	PLO-1. To analyze and explain mental phenomena,

outcomes	identify psychological problems and suggest ways to solve them. PLO-2. To understand the laws and peculiarities of the development and functioning of mental phenomena in the context of professional tasks, to illustrate by examples. PLO-3. To search for information from various sources, including using information and communication technologies to solve professional tasks. PLO-4. To substantiate their own position, to make independent conclusions on the results of their own research and analysis of literary sources. PLO-5. To select and apply valid and reliable psychodiagnostic tools (tests, questionnaires, projective methods, etc.) of psychological research and technology of psychological help PLO-6. To formulate the purpose, the task of research, to use the skills of collecting the original material, to follow the research procedure PLO-7. To reflect and critically evaluate the reliability of the results of the psychological research, to formulate reasoned conclusions PLO-8 To present the results of their own research verbally/in writing for professionals and non-specialists. PLO-9. To suggest their own ways to solve psychological tasks and problems in the process of professional activity, to accept and argue their own decisions on their solution. PLO-10. To formulate the opinion logically, accessible, discuss, defend their own position, modify the statements according to the cultural characteristics of the interlocutor PLO-11. To draw up and implement an advisory process plan taking into account the specifics of the request and the individual characteristics of the client, to ensure the effectiveness of their own actions PLO-12. To formulate and implement a program of psychoprophylaxis and educational actions, measures of psychological help in the form of lectures, conversations, round tables, games, trainings, etc., in accordance with the requirements of the customer. PLO-13. To interact, to engage in communication, to be clear, tolerant to people with other cultural or gender-age

	differences.
	PLO-14. To perform effectively different roles in a team in the process of solving professional tasksx, including the demonstration of leadership features.
	PLO-15. To be responsible to professional self-improvement, training and self-development
	PLO-16. To know, understand and follow the ethical principles of the professional activity of a psychologist
	PLO-17. To demonstrate socially responsible and conscious behavior, to follow humanistic and democratic values in professional and public activity.
	PLO-18. To take effective measures for solving health (their own and other's) and if needed content of the supervisory request
	PLO-19. To know scientific, philosophical and religious issues of the world, the purpose of the appointments and the sense of person's life, to have the idea about the distinctness of philosophy
	PLO-20. To master the skills of verbal and written professional communication in Ukrainian and English languages
	PLO-21. To use natural science approach that is based on comparative approach while solving problems and searching for non-standard decisions in the professional activity
	PLO-22. The ability to characterize the nervous system sections and neurobiological bases in manifestations of mental activity
	PLO-23. To be able to use skills of interaction in the system "person- environment" and implement habits of ecological health of a person
	PLO-24. To know and use methods of fundamental sciences for solving professional tasks
	PLO-25. To know the basics of construction and application of modern operating systems, main office program tools, to be able to use application program packages according to professional activity.
	PLO-26. To master skills to analyze independently normative legal acts which regulate private and public legal relations
	PLO-27. To have positive thinking; to manage emotions
	PLO-28. To analyze independently facts, phenomena and processes in the system "person- world" in their

	dialectical relationship taking into consideration the tendencies which happen in the world
	PLO-29. To be able to prepare public speaking using the knowledge on the subject, structure and conceptual apparatus of elocution in practical activity.
	PLO-30. To know methods and technologies of the organizational development in general and in the context of the entrepreneurial activity in particular.
	PLO-31. To draw conclusions about psychological origins and consequences of an action on the peculiarities of the psychological processes, conditions and qualities.
	PLO-32. To form the program of leadership potential development based on the psychological profile of a person.
	PLO-33. To draw conclusions and describe the peculiarities of cognitive and emotionally-volitional processes of a person.
	PLO-34. Tolerant attitude while working with staff, in the process of business contacts of representatives of different cultures, also in the sphere of social support of a person, in social work.
	PLO-35. To be able to organize and conduct the research of the psychological peculiarities of a person using modern scientific methods.
	PLO-36 The ability to diagnose and analyze socio-psychological phenomena of different levels (person, small group)
	PLO-37. Strategically adequate use of basic methods of clinical psycho diagnostics; implementing specific empirical researches for diagnostics and differential diagnostics of the diverse pathological conditions.
	PLO-38. To counteract factors which negatively influence the masses: political consciousness, mass thinking, political mood.
	PLO-39. To identify political manipulations in the media and speeches of political leaders.
	PLO-40. To have the skills of analysis of crisis, injury, extreme situations.
8 – Resources for the implementation of the program	
Staff	All scientific and pedagogical staff who provides the educational-professional program in accordance with

	the qualification corresponds to the profile and direction of the disciplines being taught, has the necessary pedagogical experience and experience of practical work. In the process of organizing the learning process, professionals who have experience in research / innovative / creative work and / or work in the specialty are involved.
Material and technical provision	Provision of rooms for training and control measures is 3.8 square meters per person, taking into account 2 training shifts in turn, terms of training. There are 211 educational audiences simultaneously involved in the educational process. The number of multimedia projectors is 92 pcs. The minimum percentage of educational content provision for multimedia equipment for simultaneous use is 43.6%. There is social and domestic infrastructure: libraries, including a reading room, catering, assembly hall, gym, medical facility, 100% of students are provided with a dormitory There are enough computer workplaces, laboratories, equipment necessary for the implementation of curriculum.
Informational, educational and methodical provision	Information support is provided by textbooks, tutorials, etc. and electronic resources (the library is provided with at least five titles of national and foreign periodical professional editions of the corresponding or relatedtopic, in electronic form too). Methodical support is realized by obligatory accompaniment of educational activity with the corresponding educational and methodological materials for each educational discipline of the curriculum.
9 – Academic mobility	
National Credit Mobility	Based on bilateral agreements between the National Technical University "Kharkiv Polytechnic Institute" and higher educational institutions of Ukraine

International Credit Mobility	Based on bilateral agreements between the National Technical University "Kharkiv Polytechnic Institute" and the Baltic International Academy, Poznań University of Economics
Education of Foreign Students	It is possible after studying the course of the Ukrainian language

2. The List of components of the educational-professional program and their logical consistency

2.1 The List of Components of EPP

Code n/o	The Components of Educational Program	The Quantity of Credits	The Form of final control
1	2	3	4
Mandatory components of EPP			
MC 1	History and Culture of Ukraine	4	Exam
MC 2	Foreign Language	12	Credit/Exam
MC 3	Zoo Psychology and Comparative Psychology	4	Credit
MC 4	Anatomy of the Central Nervous System and Higher Nervous Activity	5	Exam
MC 5	Basic Principles of Informatics and Computing	5	Exam
MC 6	Ukrainian Language	3	Exam
MC 7	Ecology	3	Credit
MC 8	Higher Mathematics	4	Credit
MC 9	Psychophysiology	5	Exam
MC 10	Science of Law	3	Credit
MC 11	Achieving Success Psychology	4	Credit
MC 12	History of Psychology	5	Exam
MC 13	Philosophy	3	Credit
MC 14	Psychological Safety of Activity and Health of a Person	3	Credit
MC 15	Basic Principles of Rhetoric	3	Credit
MC 16	Psychology of Management, Marketing and Advertising	3	Exam
MC 17	Introduction to the Profession	3	Exam
MC 18	Theory and Practice of Leader Formation	5	Exam

MC 19	General Psychology. Practical Work on Practical Psychology	6	Exam
MC 20	Anthropology	5	Exam
MC 21	Differential Psychology	4	Exam
MC 22	General Psychology. Psychology of Personality	5	Exam
MC 23	Psychology of the Leader's Managerial Activity	5	Exam
MC 24	Experimental Psychology	4	Exam
MC 25	Psychology of Activity	5	Exam
MC 26	Age Psychology	3	Exam
MC 27	Social Psychology	3	Exam
MC 28	Professional Psychology	3	Exam
MC 29	Pedagogy of Facilitation	3	Credit
MC 30	Psycho diagnostics	4	Credit
MC 31	Social Psychological Training	4	Exam
MC 32	Extreme and Crisis Situations Psychology	4	Credit
MC 33	Methods and Organization of Scientific Research	4	Credit
MC 34	Basic Principles of Psychological Consultancy	4	Exam
MC 35	Game Methods of Psychological Practice	4	Exam
MC 36	Theory and Practice of Psychotherapy	4	Exam
MC 37	Methods of Conducting Psychological Expertise	3	Credit
MC 38	Pedagogical Psychology	3	Credit
MC 39	Conflict Science	4	Exam
Total volume of mandatory components:		**173**	

	Discipline of Free Choice		
	Discipline of Free Choice by Blocks		
	Discipline 01 Block "Branch Psychology"		
SB 1.1	Family Psychology	5	Exam
SB 1.2	Applied Statistics in Psychology	6	Exam
SB 1.3	Pathopsychology	3	Credit
SB 1.4	Economical Psychology	4	Credit
SB 1.5	Political Psychology	5	Exam
SB 1.6	Psychology of Addictive Behavior	4	Credit
SB 1.7	Psychological Aspects of Communication in Professional Activity	4	Credit
SB 1.8	Clinical Psychology	3	Credit
SB 1.9	Legal Psychology	3	Credit
MC 40	Psycho-Pedagogical Practice	6	Credit
MC 41	Pre-diploma Practice	6	Credit
MC 42	Attestation	6	Defense of the Thesis (diploma)
	Discipline 02 Block "Psychology of Management Activity"		
SB 2.1	Psychology of Personnel Work	5	Exam
SB 2.2	Mass Behavior Psychology	6	Exam
SB 2.3	Labor Psychology and Engineering Psychology	3	Credit
SB 2.4	Psychology of Injuring Situations	4	Credit
SB 2.5	Personnel Management (HR) Psychology	5	Exam
SB 2.6	Business Psychology	4	Credit
SB 2.7	Management Psychology	4	Credit

SB 2.8	Psychology of Influence	3	Credit
SB 2.9	Psychology of Business Communication	3	Credit
MC 40	Psycho-Pedagogical Practice	6	Credit
MC 41	Pre-Diploma Practice	6	Credit
MC 42	Attestation	6	Defense of the Thesis (diploma)
Total Amount of Selective Components:		**67**	
GENERAL VOLUME of PROGRAM		**240**	

Forms of Certification of Applicants for the First (Bachelor's) Degree of Higher Education

Forms of Certification of the Applicants for Higher Education	The attestation is carried out in the form of: Public defense (demonstration) of qualification papers and attestation exam
Requirements to qualification papers	Qualification papers must provide the solving of difficult special task or practical problem in the area of Psychology using main Psychological theories and methods and are characterized by complexity and uncertainty of conditions. Qualification papers must not have academic plagiarism, falsification and fabrication. Qualification papers must be published on the official site or in the repository of NTU "KhPI"
Requirements for Qualification Exam	Qualification exam on the specialty must check the achievement of the results of studying defined by the higher education Standard and educational program.

VII Requirements for the System of Internal Quality Assurance of Higher Education

There must function the system of providing the quality of educational activities and the quality of higher education in the higher education institutions (internal quality assurance system), which provides the following procedures and measures:

1) Definition of principles and procedures for ensuring the quality of higher education;

2) Monitoring and periodic review of educational programs;

3) Annual assessment of applicants for higher education, scientific-pedagogical and pedagogical personnel of higher education institution and regular publication of results of such kind of assessments on the official web-site of NTU "KhPI", on the information boards and in any other way;

4) the provision of advanced training of pedagogical, scientific and scientific-pedagogical personnel;

5) the provision of necessary resources for the organization of the educational process;

6) the provision of informational systems for effective management of educational process;

7) the provision of the publicity of information about educational programs, levels of higher education and qualification;

8) The provision of the effective system for preventing and detecting academic plagiarism in scientific works of the personnel of the NTU "KhPI";

9) other procedures and measures.

The system of providing the quality of educational activities and the quality of higher education in the higher education institutions (internal quality assurance system) upon submission of a higher education institution, the National Higher Education Quality Assurance Agency or accredited independent institutions of its assessment and quality assurance in higher education shall be assessed for its

compliance with the requirements for the system of quality assurance in higher education approved by the National Agency for the Quality Assurance of Higher Education and international standards and recommendations on the quality assurance of higher education.

The Matrix of Compliance
of the Competencies defined by the Standard with the Descriptors of NQF (6th level, Bachelor)

Classification of Competencies by NQF	**Knowledge** **Kn 1** Conceptual knowledge gained in the process of studying and professional activity, including certain knowledge of modern achievements. **Kn 2** Critical understanding of the main theories, principles, methods, ideas in studying and professional activity	**Skills** **Sk 1** Solving complex unpredictable tasks and problems in specialized spheres of professional activity and / or training, which involves the collection and interpretation of information (data), the choice of methods and tools for the application of innovative approaches	**Communication** **C 1** Reporting to specialists and non-specialists the information, ideas, problems, decisions and own experience in the field of professional activity **C 2** The ability to effectively form a communicative strategy	**Autonomy and Responsibility** **AR1** Management of complex activities or projects, responsibility for decision making in unpredictable conditions **AR2** The responsibility for professional development of separate people and/or groups of people, the ability for further education with high level of autonomy
General Competences				
GC1		Sk 1	C 1, C 2	AR 1, AR 2
GC2	Kn 1, Kn 2	Sk 1		
GC3		Sk 1		
GC4		Sk 1		AR 1, AR 2
GC5	Kn 2	Sk 1	C 1	AR 1
GC6	Kn 1, Kn 2			AR 1
GC7	Kn 1, Kn 2	Sk 1	C 2	
GC8			C 1, C 2	AR 1
GC9			C 1, C 2	
GC10	Kn 2		C 2	AR 2
GC11	Kn1		C 1	AR 2
GC12	Kn1			
GC13	Kn1		C 2	
GC14	Kn 1, Kn 2			
GC15	Kn1	Sk 1		AR 1, AR 2
GC16		Sk 1		
GC17	Kn 1, Kn 2	Sk 1		
GC18		Sk 1		AR 1, AR 2
GC19	Kn 2		C 2	
GC20	Kn 1, Kn 2			
Professional Competences				
PC1	Kn 1			AR 1
PC2	Kn1, Kn2			
PC3	Kn1, 3Kn2			AR1
PC4	Kn 1, Kn 2	Sk 1		AR 1

PC5	Kn 2	Sk 1		AR 1
PC6		Sk 1		AR 1
PC7	Kn 1	Sk 1		AR 1
PC8	Kn 1		C 1, C 2	AR 1, AR 2
PC9	Kn 2	Sk1	C1	
PC10	Kn1		C 1, C 2	AR 2
PC11		Sk 1		AR 1
PC12	Kn1	Sk 1	C 1, C 2	AR 2
PC13	Kn 2			
PC14	Kn 1, Kn 2			
PC15		Sk 1	C 2	AR 1
PC16	Kn1			AR 1
PC17	Kn 1, Kn 2		C 1, C 2	AR 1, AR 2
PC18		Sk 1		AR 2
PC19	Kn1	Sk 1	C 2	
PC20	Kn 1, Kn 2			
PC21		Sk 1	C 1, C 2	AR 1
PC22	Kn 2			AR 2
PC23	Kn1			AR 1
PC24	Kn 1, Kn 2		C 1, C 2	AR 1, AR 2
PC25	Kn 2			
PC26	Kn1	Sk 1	C 2	
PC27	Kn 1, Kn 2	Sk 1		
PC28	Kn 2	Sk 1	C 1, C 2	AR 2
PC29	Kn1		C 1, C 2	AR 1

Matrix of conformity of the results of training and competences defined by the Standard..

Program Learning Outcomes	Integral Competence	General Competences																				Special (professional) Competences																												
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
PLO1	+		+			+	+	+				+				+				+		+	+	+	+	+			+														+	+	+					+	+
PLO 2	+	+	+	+	+		+	+							+	+						+	+	+	+					+															+	+	+	+		
PLO 3	+		+	+	+	+						+						+	+			+			+																				+	+				
PLO 4	+		+	+		+	+	+							+	+	+					+	+	+	+		+	+									+	+	+							+				
PLO 5	+		+	+		+	+	+				+						+	+	+	+	+					+	+				+		+										+	+	+			+	
PLO 6	+		+	+		+	+	+				+		+	+											+	+	+	+			+		+				+	+							+				+
PLO 7	+	+	+		+	+	+	+	+	+					+	+	+							+	+		+				+			+		+					+			+				+		
PLO 8	+	+	+		+	+	+	+		+	+						+	+							+			+	+	+	+		+						+			+	+	+				+	+
PLO 9	+	+			+	+	+	+			+				+			+						+	+		+	+	+	+			+			+	+	+	+										
PLO 10	+	+			+	+			+	+	+				+					+		+					+		+	+	+				+									+	+				+
PLO 11	+	+	+		+	+	+	+	+	+					+				+			+				+		+	+	+			+	+		+						+			+			
PLO 12	+	+	+	+	+	+	+	+				+	+				+				+			+	+		+	+	+	+							+		+	+				+				
PLO 13	+	+			+	+			+	+	+	+			+				+		+							+	+			+							+	+	+	+	+			+
PLO 14	+	+			+			+		+					+			+														+			+			+	+	+	+						+
PLO 15	+		+		+	+		+						+	+						+			+		+		+	+		+						+			+		+		+	
PLO 16	+	+	+						+	+	+	+								+									+		+					+											+
PLO 17	+	+	+			+				+	+																		+	+		+					+	+	+	+	+						
PLO 18	+	+	+				+	+			+	+																	+	+	+	+	+					+										

PLO 19	+			+							+	+				+			+	+														+	+				+	+	+
PLO 20	+					+				+					+			+					+	+	+										+	+				
PLO 21	+										+							+	+	+														+			+	+		+	+
PLO 22	+	+	+			+			+									+									+	+	+								+	+	+		
PLO 23	+														+										+	+	+							+					+	+	
PLO 24	+					+							+	+															+						+			+	+	+	
PLO 25	+			+					+						+			+								+	+							+	+		+	+	+		
PLO 26	+			+				+			+	+			+	+	+	+									+	+	+								+				
PLO 27	+					+				+	+									+				+	+	+	+	+									+	+	+		
PLO 28	+		+	+								+					+											+	+												+
PLO 29	+						+				+				+			+											+		+						+	+		+	+
PLO 30	+	+	+	+						+							+												+								+	+	+	+	
PLO 31	+			+								+	+			+	+										+							+	+			+			+
PLO 32	+				+		+				+	+															+							+	+					+	+
PLO 33	+	+	+							+						+	+												+					+					+	+	+
PLO 34	+				+					+	+	+				+	+	+	+																		+	+	+		+
PLO 35	+				+			+							+												+	+						+	+	+				+	
PLO 36	+	+	+	+			+				+							+				+	+						+								+	+	+		

PLO 37	+			+				+	+						+															+	+			+									+	+	
PLO 38	+	+		+						+	+	+	+	+					+	+				+					+					+											+
PLO 39	+					+		+	+								+	+					+						+								+	+	+			
PLO 40	+		+	+	+					+	+								+				+			+	+	+					+		+					+	+	+	+	