

Ministry of Education and Science of Ukraine
State Higher Education Institution
"Ukrainian State University of Chemical Technology"

Rector of SHEI USUCT
_____ O.A. Pivovarov
" ____ " _____ 2018

EDUCATIONAL AND PROFESSIONAL PROGRAM

Computer science

(Name of the educational program)

Second (master) level

(name of the higher education level)

Master

(name of the granted degree)

BRANCH OF KNOWLEDGE 12 Information technology

(code and name of the branch of knowledge)

SPECIALTY 122 Computer science

(code and name of the specialty)

Approved at the meeting of the
Academic Council of SHEI
USUCT
on " ____ " _____ 2018
protocol no. _____

Dnipro
2018

Approval sheet

FOR EDUCATIONAL AND PROFESSIONAL PROGRAM

Higher education level	Master
Branch of knowledge	12 Information technology
Specialty	122 Computer science
Educational program	Computer science
«APPROVED»	«DEVELOPERS»
First Vice-Rector, Chairman of the Academic Council of SHEI USUCT _____ <u>Goleus V.I.</u> (signature) (surname and initials) " ____ " _____ 2018	Project team leader _____ <u>Zelentsov D. G.</u> (signature) (surname and initials) " ____ " _____ 2018
Head of the SEC _____ <u>Smotraiev R.V.</u> (signature) (surname and initials) " ____ " _____ 2018	Member of the project team _____ <u>Olevskii V.I.</u> (signature) (surname and initials) " ____ " _____ 2018
Educational and Methodical Department _____ <u>Fomenko G.V.</u> (signature) (surname and initials) " ____ " _____ 2018	Member of the project team _____ <u>Korotkaia L.I.</u> (signature) (surname and initials) " ____ " _____ 2018
Dean of the Faculty of Computer Science and Engineering _____ <u>Levchuk I.L.</u> (signature) (surname and initials) " ____ " _____ 2018	
Head of Department _____ <u>Zelentsov D.G.</u> (signature) (surname and initials) " ____ " _____ 2018	Educational and professional program is carried into effort by the order of the rector no ____ from " ____ " _____ 2018.

I. THE PROFILE OF THE MASTER EDUCATIONAL AND PROFESSIONAL PROGRAM

on a specialty 122 "Computer science"

The profile of the program (general information)	
Full name of qualification in original language	Ступінь вищої освіти – магістр, спеціальність - Комп'ютерні науки
Official name of the educational program	Educational and professional program "Computer science" for master's degree in specialty 122 Computer science
The type of degree and size of educational program	Master's degree in computer science, single (double, joint in the presence of relevant agreements and training programs); 90 ECTS credits
Full name of a higher education institution granting the qualification	State higher education institution "Ukrainian state University of Chemical Technology"
The accrediting organization	Accreditation Commission of Ukraine (SEI "Educational and methodical center for the quality of education"). NAQAHE.
Accreditation period	The validity period of the certificate after initial accreditation is 5 years, after re-accreditation it is 10 years.
Cycle / level	NFQ of Ukraine – level 7, FQ-EHEA – second cycle, EQF-LLL – level 7
Prerequisites	First (bachelor) level
Language(s) of instruction	Ukrainian language
A	
The purpose of the educational program	
The purpose of the educational program	To provide students with knowledge, skills and understanding in computer science that will enable them to perform original research or work independently in the workplace.
B	
Characteristics of the educational program	
Subject area (branch of knowledge, specialty)	Branch of knowledge 12 – <i>Information technology</i> specialty 122 – <i>Computer science</i>
Main focus of the program and specialization	General higher education in the field of information technology. In-depth theoretical and practical knowledge in the field of computer science and information technology with an emphasis on the formation of skills to create and implement innovations in the field of information technology for various

	sectors of human activity.
Program orientation	The research line is scientifically oriented, the teaching and application line is practically oriented.
Features and differences	Regular updates to take trends in progressive development of information technologies into account
C	
	Employability and possibilities for further training
Employability	Jobs in enterprises and organizations that use information technology; teachers in educational institutions of different levels of education, scientists in research organizations, research centers.
Further training	Training at the third educational level on doctoral programs in the field of information technology.
D	
	Teaching style and training methods
Approaches to teaching and training	A combination of lectures, practical and seminar classes, laboratory classes in computer rooms, writing course projects or works, self-study, preparation of qualification work.
Evaluation methods	Written and oral examinations, tests, presentations, defense of master's qualification work.
E	
	Program competencies
Integral competence (INT)	Master's degree (level 7): the ability to solve complex tasks and problems in the particular field of professional activity or in the learning process, which involves research and/or innovation and is characterized by uncertainty of conditions and requirements.
General competences (GC)	<p><i>GC-1.</i> Ability to abstract thinking, analysis and synthesis.</p> <p><i>GC-2.</i> Ability to apply knowledge in practical situations.</p> <p><i>GC-3.</i> Ability to plan and manage time.</p> <p><i>GC-4.</i> Knowledge and understanding of the subject area and understanding of the profession.</p> <p><i>GC-5.</i> Skills in the use of information and communication technologies.</p> <p><i>GC-6.</i> Ability to conduct research at the appropriate level.</p> <p><i>GC-7.</i> Ability to search for, process and analyse information from a variety of sources.</p> <p><i>GC-8.</i> Ability to identify, formulate and solve problems.</p> <p><i>GC-9.</i> Ability to make informed decisions.</p> <p><i>GC-10.</i> Ability to communicate with non-specialists in one's field (experts from other industries).</p>

	<p><i>GC-11.</i> Value and respect for diversity and multiculturalism.</p> <p><i>GC-12.</i> Commitment to safety.</p> <p><i>GC-13.</i> Ability to evaluate and ensure the quality of performed work.</p> <p><i>GC-14.</i> Certainty and perseverance with regard to the undertaken tasks and responsibilities.</p> <p><i>GC-15.</i> Desire to preserve the environment.</p>
<p>Special (professional) competences (SC)</p>	<p><i>SC-1.</i> Ability to apply knowledge and understanding of mathematical methods to solve and analyze problems in various fields.</p> <p><i>SC-2.</i> Ability to recognize and analyze new problems and develop a strategic plan to address them.</p> <p><i>SC-3.</i> Ability to use knowledge and skills in disciplines of the general cycle of training for the theoretical mastery in disciplines of professional direction and solution of practical problems.</p> <p><i>SC-4.</i> Competence in planning, design and execution of research activities, from the stage of recognition of a problem to the evaluation of results and formulation of conclusions; this includes the ability to choose methods and procedures of an appropriate level.</p> <p><i>SC-5.</i> Ability to assess risks associated with design and development of decision-making systems and expert systems.</p> <p><i>SC-6.</i> Ability to interpret data obtained as a result of software product implementation.</p> <p><i>SC-7.</i> Computational skills, including such aspects as the error analysis, the order of credibility of an assessment, as well as the correct use of mathematical models and check them for adequacy.</p> <p><i>SC-8.</i> Knowledge and use of modern programming languages in the creation of information subsystems.</p> <p><i>SC-9.</i> Skills of presentation of scientific materials and arguments in written and oral form to a competent audience.</p> <p><i>SC-10.</i> Ability for business communications in the professional sphere, knowledge of the basics of business communication, team work skills.</p> <p><i>SC-11.</i> Skills of application of the acquired knowledge in professional activity at development, adjustment and operation of information subsystems and technologies.</p> <p><i>SC-12.</i> Knowledge of legal bases of the legislation of Ukraine in the field of information technologies.</p> <p><i>SC-13.</i> Ability to use technologies of information systems development (collective) in practice.</p>

F	Program learning outcomes
Learning outcomes in cognitive sphere	<p><i>OCS-1.</i> To choose and apply knowledge of mathematical methods to solve and analyze problems in various fields.</p> <p><i>OCS-2.</i> To classify and analyse problems of different nature and draw up a strategic plan to address them.</p> <p><i>OCS-3.</i> To use knowledge and skills in disciplines of the general cycle of training for the theoretical mastery in disciplines of professional direction and solution of practical problems.</p> <p><i>OCS-4.</i> To assess risks associated with design and development of decision-making systems and expert systems.</p> <p><i>OCS-5.</i> To summarize data obtained as a result of software product implementation.</p> <p><i>OCS-6.</i> To establish the connection of obtained data with results of mathematical modeling.</p> <p><i>OCS-7.</i> To develop safety measures in the workplace with their subsequent implementation.</p> <p><i>OCS-8.</i> To investigate the influence of various factors on the properties of an object of study or design.</p> <p><i>OCS-9.</i> To use modern programming languages to create information subsystems.</p> <p><i>OCS-10.</i> To make generalizing conclusions on results of a study of properties of an object of study or design.</p>
Learning outcomes in the value and motivational sphere	<p><i>OVMS-1.</i> To meet the requirements of professional ethics in the workplace.</p> <p><i>OVMS-2.</i> To participate in a discussion of results of various work types (experimental, search, design, etc.).</p> <p><i>OVMS-3.</i> To express a desire to work independently.</p> <p><i>OVMS-4.</i> To ask questions in discussions with colleagues, teachers.</p> <p><i>OVMS-5.</i> To demonstrate acquired professional skills in the creation of scientific and design documentation.</p> <p><i>OVMS-6.</i> To organize safety activities in the workplace.</p> <p><i>OVMS-7.</i> To collaborate with colleagues in related fields to achieve research or project objectives.</p>
Learning outcomes in the psychomotor sphere	<p><i>OPS-1.</i> To analyze scientific and technical information, to study domestic and foreign experience on a subject of research</p> <p><i>OPS-2.</i> To assess a degree of completeness, adequacy, truthfulness and feasibility of models of real systems.</p> <p><i>OPS-3.</i> To develop technical documentation in accordance</p>

	with the requirements of ESCD.
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OPS-4. To carry out safety regulations, standards of industrial sanitation, fire safety and labor protection in practice.

**II. THE DEFINITION OF EDUCATIONAL DISCIPLINES/MODULES
ensuring the achievement of the planned learning outcomes and forms of
certification of applicants for higher education in the educational program in
accordance with the standard of higher education**

**Table 1. Distribution of the content of the educational and professional program by
training cycles and a form of final control**

No.	Name of discipline	Credits	hours	Semester	Tetramester	Final control
1. MANDATORY PART						
1.1	<i>Cycle of general training (forms general competences)</i>					
1.1.1	Psychology and methods of teaching professional disciplines in higher education	2.0	60	2	3	pass/fail
1.1.2	Foreign language (for professional purposes)	4.0	120	2	3,4	graded test
1.1.3	Intellectual property	2.0	60	1	2	pass/fail
1.1.4	Civil protection	1.5	45	1	1	graded test
1.1.5	Physical culture (outside of the credits)					
1.1.6	Methodology and organization of scientific research	3.0	90	2	3,4	pass/fail
	Total in cycle 1.1	12.5	375			
1.2	<i>Cycle of professional training (forms special (professional) competences)</i>					
1.2.1	Expert systems	6.0	180	2	3, 4	exam.
1.2.2	Occupational health and safety	2.0	60	2	4	exam.
1.2.3	Research practice	6.0	180	3	5	graded test
1.2.4	Assistant practice	4.5	135	3	5	graded test
1.2.5	Preparation of qualification master's work and state certification	25.5	765	3	5, 6	SC
	Total in cycle 1.2	44.0	1320			
	THE MANDATORY PART - TOTAL	56.5	1695			
2. SELECTIVE PART						
2.1	<i>Cycle of general training (forms general competences)</i>					
2.1.1.	Modeling and optimization of technological processes	10.0	300	1, 2	1, 2, 3, 4	pass/fail, exam.
2.1.2	Game theory	5.0	150	1	1, 2	exam.
	Total in cycle 2.1	15.0	450.0			
2.2	<i>Cycle of professional training (forms special (professional) competences)</i>					
2.2.1	Information technologies in the market infrastructure	5.0	150	1	1, 2	pass/fail
	Module 1					
2.2.2	Management and support of solutions in complex systems	6.0	180	1	1, 2	exam.
2.2.3	Computational intelligence	7.5	225	1, 2	1, 2, 3, 4	pass/fail, exam.
	Module 2					
	Quantum information and computation	6.0	180	1	1, 2	exam.
	Data integration methods and tools	7.5	225	1, 2	1, 2, 3, 4	pass/fail, exam.
	Total in cycle 2.2	18.5	555.0			
	THE SELECTIVE PART - TOTAL	33.5	1005			
	TOTAL	90	2700			

**Table 2. Generalized distribution of the content of the educational and professional program
by groups of components (disciplines) and training cycles**

No.	Training cycle	Academic load of the applicant for higher education (credits / %)		
		Mandatory components of the educational and professional program	Selective components of the educational and professional program	Total for the entire period of study
1.	Cycle of general training (forms general competences)	12,5 / 13,89	15,0 / 16,67	27,5 / 30,56
2.	Cycle of professional training (forms special (professional) competences)	44,0 / 48,89	18,5 / 20,55	62,5 / 69,44
Total for the entire period of study		56,5 / 62,78	33,5 / 37,22	90,0 / 100

Table 3. The list of disciplines of the educational and professional program for training of applicants for education of the second (master) level, educational time in credits of ECTS by training cycles, and the list of the created competences and learning outcomes

Training cycles	Codes of competences	Codes of learning outcome	List of disciplines	ECTS credits
1	2	3	4	5
1.1. Cycle of general training (forms general competences)	GC-1, GC-4, GC-8, GC-10, GC-11, SC- 10, SC-13	OCS-3, OVMS-1, OVMS-2, OVMS-3, OVMS-4, OVMS-7, OPS-1	1.1.1. Psychology and methods of teaching professional disciplines in higher education	2.0
	GC-1, GC-4, GC-11, SC-10	OCS-3, OVMS-1, OVMS-3, OVMS-4, OVMS-5, OPS-1	1.1.2. Foreign language (for professional purposes)	4.0
	GC-1, GC-4, GC-8, SC-10, SC-12	OCS-3, OVMS-1, OVMS-2, OVMS-3, OVMS-4, OVMS-5, OVMS-7, OPS-1	1.1.3. Intellectual property	2.0
	GC-1, GC-4, GC-8, GC-12, GC-15	OCS-3, OCS-7, OCS-8, OVMS- 1, OVMS-1, OVMS-3, OVMS- 6, OPS-1, OPS-4	1.1.4. Civil protection	1.5
			1.1.5. Physical culture (outside of the credits)	
	GC-1, GC-2, GC-4, GC-5, GC-6, SC-2, SC-10	OCS-3, OCS-8, OVMS-1, OVMS-2, OVMS-3, OVMS-5, OVMS-7, OPS-1	1.1.6. Methodology and organization of scientific research	3.0
	GC-1, GC-2, GC-4, GC-5, GC-8, SC-1, SC-2	OCS-3, OCS-5, OCS-6, OCS-8, OCS-9, OCS-10, OVMS-1, OVMS-3, OVMS-7, OPS-1, OPS-2	2.1.1. Modeling and optimization of technological processes	10.0
	GC-1, GC-4, GC-5, GC-8, GC-9, SC-2	OCS-2, OCS-3, OCS-5, OCS-8, OCS-9, OCS-10, OVMS-1, OVMS-3, OVMS-7, OPS-1	2.1.2. Game theory	5.0
		TOTAL 1.1	27.5	

Training cycles	Codes of competences	Codes of learning outcome	List of disciplines	ECTS credits
1	2	3	4	5
1.2 Cycle of professional training (forms special (professional) competences)	GC-1, GC-2, GC-3, GC-4, GC-5, GC-7, GC-8, GC-9, GC-10, SC-1, SC-2, SC-3, SC-5, SC-6, SC-11	OCS-2, OCS-4, OCS-5, OCS-8, OCS-9, OCS-10, OVMS-1, OVMS-3, OVMS-5, OVMS-7, OPS-1, OPS-3	1.2.1. Expert systems	6.0
	GC-1, GC-2, GC-4, GC-5, GC-8, GC-12, GC-15, SC-3	OCS-7, OCS-8, OVMS-1, OVMS-3, OVMS-6, OVMS-7, OPS-1, OPS-4	1.2.2. Occupational health and safety	2.0
	GC-1, GC-3, GC-4, GC-5, GC-6, GC-7, GC-8, SC-3, SC-4	OCS-2, OCS-5, OCS-6, OCS-9, OCS-10, OVMS-1, OVMS-2, OVMS-3, OVMS-4, OVMS-5, OVMS-7, OPS-1, OPS-2, OPS-3	1.2.3. Research practice	6.0
	GC-1, GC-4, GC-5, GC-8, GC-9, SC-3, SC-4, SC-9, SC-10	OVMS-1, OVMS-2, OVMS-3, OVMS-4, OVMS-5, OPS-1, OPS-3	1.2.4. Assistant practice	4.5
	GC-1, GC-2, GC-3, GC-4, GC-5, GC-6, GC-7, GC-8, GC-9, GC-13, GC-14, GC- 15, SC-2, SC-3, SC-7, SC-9, SC-11, SC-12, SC-13	OCS-1, OCS-2, OCS-5, OCS-6, OCS-7, OCS-8, OCS-9, OCS- 10, OVMS-1, OVMS-2, OVMS- 3, OVMS-5, OVMS-6, OVMS- 7, OPS-1, OPS-2, OPS-3, OPS- 4	1.2.5. Preparation of qualification master's work and state certification	25.5
	GC-1, GC-2, GC-4, GC-5, GC-8, SC-2, SC-3, SC-8	OCS-2, OCS-5, OCS-8, OCS-9, OCS-10, OVMS-1, OVMS-3, OVMS-7, OPS-1	2.2.1. Information technologies in the market infrastructure	5.0

Training cycles	Codes of competences	Codes of learning outcome	List of disciplines	ECTS credits
1	2	3	4	5
			Module1	
	GC-1, GC-2, GC-3, GC-4, GC-5, GC-7, GC-8, GC-9, SC-2, SC-3, SC-5	OCS-2, OCS-4, OCS-5, OCS-8, OCS-9, OCS-10, OVMS-1, OVMS-3, OVMS-7, OPS-1	2.2.2. Management and support of solutions in complex systems	6.0
	GC-1, GC-2, GC-4, GC-5, GC-7, GC-8, SC-1, SC-3, SC-6, SC-8, SC-13	OCS-1, OCS-5, OCS-6, OCS-9, OVMS-1, OVMS-3, OVMS-7, OPS-1, OPS-2	2.2.3. Computational intelligence	7.5
			Module 2	
	GC-1, GC-2, GC-3, GC-4, GC-5, GC-6, GC-8, GC-9, SC-1, SC-2, SC-3, SC-7	OCS-1, OCS-2, OCS-5, OCS-6, OCS-8, OCS-9, OCS-10, OVMS-1, OVMS-3, OVMS-7, OPS-1, OPS-2	Quantum information and computation	6.0
	GC-1, GC-2, GC-4, GC-5, GC-7, GC-8, SC-1, SC-2, SC-3	OCS-1, OCS-5, OPS-6, OCS-8, OCS-9, OVMS-1, OVMS-3, OVMS-7, OPS-1	Data integration methods and tools	7.5
			TOTAL 1.2	62.5
			TOTAL	90.0

Table 4. Matrix of compliance between software competences and training components

Code of discipline according to the curriculum	1.1.1	1.1.2	1.1.3	1.1.4	1.1.5	1.1.6	2.1.1	2.1.2	1.2.1	1.2.2	1.2.3	1.2.4	1.2.5	2.2.1	Module 1		Module 2	
															2.2.2	2.2.3	2.2.2	2.2.3
INT																		
GC-1	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+
GC-2						+	+		+	+			+	+	+	+	+	+
GC-3									+		+		+		+	+	+	
GC-4	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+
GC-5						+	+	+	+	+	+	+	+	+	+	+	+	+
GC-6						+					+		+				+	
GC-7									+		+		+		+	+		+
GC-8	+		+	+			+	+	+	+	+	+	+	+	+	+	+	+
GC-9								+	+	+		+	+		+		+	
GC-10	+								+									
GC-11	+	+																
GC-12				+						+								
GC-13													+					
GC-14													+					
GC-15				+						+			+					

SC-1							+		+							+	+	+	
SC-2							+	+	+	+				+	+	+		+	+
SC-3									+	+	+	+	+	+	+	+	+	+	+
SC-4											+	+							
SC-5									+							+			
SC-6									+								+		
SC-7													+					+	
SC-8														+			+		
SC-9												+	+						
SC-10	+	+	+				+					+							
SC-11									+				+						
SC-12			+										+						
SC-13	+												+				+		

**Table 5. Matrix of provision of appropriate components for program learning outcomes
Of educational and professional program**

Code of discipline according to the curriculum	1.1.1	1.1.2	1.1.3	1.1.4	1.1.5	1.1.6	2.1.1	2.1.2	1.2.1	1.2.2	1.2.3	1.2.4	1.2.5	2.2.1	Module 1		Module 2	
															2.2.2	2.2.3	2.2.2	2.2.3
<i>OCS-1.</i>													+			+	+	+
<i>OCS-2.</i>								+	+		+		+	+	+		+	
<i>OCS-3.</i>	+	+	+	+		+	+	+										
<i>OCS-4.</i>									+							+		
<i>OCS-5.</i>							+	+	+		+		+	+	+	+	+	+
<i>OCS-6.</i>							+				+		+			+	+	+
<i>OCS-7.</i>				+						+			+					
<i>OCS-8.</i>				+		+	+	+	+	+			+	+	+		+	+
<i>OCS-9.</i>							+	+	+		+		+	+	+	+	+	+
<i>OCS-10.</i>							+	+	+		+		+	+	+		+	
<i>OVMS-1.</i>	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+
<i>OVMS-2.</i>	+		+			+					+	+	+					
<i>OVMS-3.</i>	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+
<i>OVMS-4.</i>	+	+	+							+	+	+						

<i>OVMS-5.</i>		+	+			+			+		+	+	+					
<i>OVMS-6.</i>				+						+			+					
<i>OVMS-7.</i>	+		+			+	+	+	+	+	+		+	+	+	+	+	+
<i>OPS-1.</i>	+	+	+	+		+	+	+	+	+	+	+	+	+		+	+	+
<i>OPS-2.</i>							+				+		+		+	+	+	
<i>OPS-3.</i>									+		+	+	+					
<i>OPS-4.</i>				+									+					

III FORMS OF EVALUATION OF APPLICANTS FOR HIGHER EDUCATION

<p>Forms of evaluation of applicants for higher education</p>	<p>An obligatory form of the state certification is implementation and defence of qualifying diploma works.</p> <p>The system of competences and learning outcomes specified in sections IV and V shall be submitted for state certification.</p> <p>The main method for objective control of the degree of achievement of the final goals of education and professional training of masters is a technology of implementation and defence of qualifying diploma works, defined in the following documents: Regulations on EC, Guidelines for the implementation of qualifying diploma works.</p>
<p>Requirements for final qualifying work (if available)</p>	<p>The requirements for the final qualifying work are set out in the Guidelines for the implementation of qualifying theses.</p> <p>A final qualifying work is accompanied by a review of the supervisor and review of the reviewer, who are responsible for checking the completeness of tasks, the quality of a work as a whole and its check for plagiarism.</p>
<p>Requirements for certification/unified state qualification exam(s) (if available)</p>	
<p>Public defence (presentation) requirements (if available)</p>	<p>Requirements for public defence are formulated in the Regulations on EC and guidelines for the implementation of qualifying diploma works.</p>

IV - Requirements for the internal quality assurance system in higher education

Determined in accordance with European standards and guidelines for quality assurance in higher education (ESG) and article 16 of the Law of Ukraine "On Higher Education"

Components of the system of internal quality assurance in higher education	Definitions, references and related documents
Principles and procedures for ensuring the quality of education	<ul style="list-style-type: none"> - The Law of Ukraine "On Higher Education" of 01.07.2014 No. 1556-VII; - Temporary regulations on the organization of the educational process SHEI USUCT (Order of the rector of SHEI USUCT from 30.11.2015 No. 290); - Regulations on honous degrees of SHEI USUCT (Order of the rector of SHEI USUCT from 25.02.2016 No. 55); - Regulations on the procedure of establishment and organization of the work of the Examination Committee in SHEI USUCT (Order of the rector from 01.04.2015, No. 68); - Regulations on the development, approval and revision of work programs for academic disciplines (Order of the rector of SHEI USUCT from 01.12.15 No. 291)
Monitoring and periodic revision of educational programs	Annual monitoring of industry and labor market requirements, revision of educational programs, work curricula, work programs of academic disciplines. On approval of composition of the project teams for the development of educational programs (Order of the rector of SHEI USUCT from 10.03.2016 No. 74)
Annual evaluation of applicants for higher education	Regulations on the organization of rector's quality control of learning process (Order of the rector from 17.03.2014 No. 78)
Annual evaluation of scientific-pedagogical and pedagogical workers of higher educational institution	Regulations on the Commission of rector's control of pedagogical skills of scientific-pedagogical workers of the University (Order of the rector of SHEI USUCT from 04.04.2016 No. 85), Order of application of rating system for evaluation of activity of scientific-pedagogical workers of SHEI USUCT (Order of the rector from 04.06.2010 No 209 with the changes to the order from 09.06.2011 No. 147), Order of application of rating system for evaluation of activities of

	<p>departments and faculties SHEI USUCT (Order of the rector from 04.06.2010 No. 209).</p> <p>Regular publication of the results of such evaluations on the official website of the higher educational institution, on information stands and in any other way</p>
Further training of scientific-pedagogical, pedagogical and scientific workers	<p>Further training of scientific-pedagogical workers is carried out according to the regulations, approved by the order of MESU from 24.01.2013, No. 48 and Regulation on further training and internship of pedagogical and scientific-pedagogical workers of SHEI USUCT (Order of the rector of SHEI USUCT from 28.05.2016, No. 105)</p>
Availability of necessary resources for the organization of the educational process	<p>Educational-methodical, material-technical and personnel support corresponds to license conditions (Resolution of CM from 30.12.2015 No. 1187) for educational activity. License series AE №636496. Certificates in the fields of study and specialties.</p>
Availability of information systems for effective management of the educational process	<p>Temporary regulations on the organization of educational process in SHEI USUCT (Order of the rector of SHEI USUC from 30.11.2015 No. 290) is supported by Information-analytical control system for the educational process, that consists of subsystems: Applicant, Learning Process.</p>
Publicity of information about educational programs, degrees of higher education and qualifications	<p>Information about educational programs, degrees of higher education and qualifications is public and fully described on the official web-portal of the University http://udhtu.com.ua</p>
Prevention and detection of academic plagiarism	<p>Checking the completeness of the tasks, the quality of work in general and its check for plagiarism is carried out by the teacher – the supervisor of the course or diploma work/project in the prescribed manner using the appropriate software.</p>