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

	Rector UDHTUOA. Pivovarov2017
Educ	eational and professional programs  ECOLOGY  (Name of the educational program)
	The first (bachelor) level (Name of higher education)
	(Name of the degree that is assigned)
BRANCH OF KNOWLEDGE	10 Science  (Code name and area of expertise)
SPECIALTY	101 Ecology (Code and specialty)
	Adopted by the Scientific Council SHEE UDHTU from "" 2017. Protocol №

Dnipro

Letter of approval					
The level of higher education	The first (bachelor) level				
Branch of knowledge	10 Science				
Specialty	101Ekolohiya				

## I. PROFILE educational and vocational programs for bachelors specialty 101 *Ecology*

Full title in the original	Profile program (general information)					
8		The degree of higher education - bachelor, specialty -				
language skills		Ecology				
The official name of the	<u> </u>	Educational and professional program "Ecology" Bachelor				
educational program		specialty Ecology 101				
Type diploma and scope	e of the	Diploma BA in ecology, single (double, shared with the				
educational program		relevant agreements, training programs); 240 ECTS				
• 0		credits				
Full name of the institu	tion of	State Higher Educational Institution "Ukrainian State				
higher education that a	ward	Chemical Technology University"				
qualifications						
The sending organization	on	Accreditation Commission of Ukraine (POC "Training				
		Center for Quality Education"). NAZYAVO.				
The period of accredita	tion	The certificate on initial accreditation - 5 years after re - 10				
		years.				
Cycle / level		Ukraine NLC - 6 level, FQ-EHEA - second cycle, EQF-				
		LLL - 6 level				
Background		Complete secondary education				
Language (s) teaching		Ukrainian language				
AND		The purpose of the educational program				
The purpose of the		education in science with broad access to employment,				
educational program		<u> </u>				
		<del>-</del>				
	protection	on.				
70						
В	T 1 .	1 0				
Subject area Industry		knowledge 10 - Natural sciences:				
9	G 1.					
Subject area (discipline, specialty)	Specialty	y 101 - Ecology				
(discipline, specialty)		y 101 - Ecology				
(discipline, specialty)  The main focus of the						
(discipline, specialty)  The main focus of the program and		y 101 - Ecology				
(discipline, specialty)  The main focus of the program and specialization	Total hig	y 101 - Ecology ther education in science.				
(discipline, specialty)  The main focus of the program and	Total hig	ther education in science.  gram focuses on current scientific results related sciences				
(discipline, specialty)  The main focus of the program and specialization	Total hig	ther education in science.  gram focuses on current scientific results related sciences environment within which possible future professional and				
(discipline, specialty)  The main focus of the program and specialization  Orientation program	Total hig The prog complex academic	gram focuses on current scientific results related sciences environment within which possible future professional and c career specialist in natural sciences.				
(discipline, specialty)  The main focus of the program and specialization	The programmer academic The programmer The Programm	ther education in science.  gram focuses on current scientific results related sciences environment within which possible future professional and				
educational program  B	knowled protection	Characteristics of the educational program				

WITH	Ability to employment and further education
Ability to	Jobs organizer of nature; inspector of nature protection; State
employment	Inspector of manmade and environmental monitoring;
	Protection Supervisor natural reserve fund; Inspector water
	resources; machinery ecologist; State inspector; trainee
	researcher.
<b>Further training</b>	Education at the second level educational program in the field of
	science.
D	The style of teaching and learning methods
Approaches to	A combination of lectures, practical seminars, experimental studies
teaching and learning	in laboratories, projects or writing term papers, learning, training
	qualifying work.
evaluation methods	Written and oral exams, tests, presentation of diploma qualification
	work.
IS	Software competence
Integral competence	Bachelor (level 6): The ability to solve complex problems and
	specialized practical problems of ecology, environment and
	sustainable nature of the learning process, which involves the use of
	certain theories and methods of environmental technology and is
C 1 .	characterized by complexity and uncertainty conditions.
General competence	ZK-1The ability to apply knowledge in practical situations.
(ZK)	ZK-2 The ability to plan and manage time. ZK-3 Knowledge and understanding of the subject area and
	understanding of the profession.
	ZK-4 Ability to written and oral communication in Ukrainian
	(professional orientation).
	ZK-5. The ability to communicate in a foreign language.
	ZK-6. Skills use of information and communication technologies.
	ZK-7. The ability to learn and be trained modern.
	ZK -8. The ability to be critical and self-critical.
	ZK-9. The skills of interpersonal interaction.
	ZK -10. Knowledge of national history, culture, economics and law,
	sufficient for understanding the causation of social development and
	the ability to use them in professional and social activities.
	ZK -11. Appreciation and respect for diversity and multiculturalism.
	ZK -12. Commitment to safety.
	ZK -13. Certainty and persistence on tasks and responsibilities taken.
	HCC-14. The desire to preserve the environment.
	ZK -15. The ability to use basic knowledge from basic science to the
	extent necessary for the theoretical development of professionally-
	oriented disciplines and solve practical problems of chemical

### Special (Professional, subject) competence (SC)

technology and engineering.

- *SC-1*. The ability to have the knowledge and skills of application of environmental protection to minimize the negative impact of anthropogenic activities.
- *SC-2*. The ability to use knowledge, skills and abilities in the disciplines of general training cycle for the theoretical development of disciplines and professional direction solving practical problems of environmental technologies.
- *SC-3*. The ability to use the knowledge and practical skills to protect air quality.
- *SC-4*. The ability to use knowledge and practical skills to ensure the quality of natural water (water reservoirs).
- *SC-5*. The ability to use the knowledge and practical skills to protect soil (land resources) and the geological environment (subsoil).
- *SK-6*. The ability to use the knowledge and practical skills in the management and treatment of waste production and consumption to limit the negative man-made effects on the environment;
- *SC-7*. The ability to use knowledge for the conservation of biological and landscape diversity, rational use of natural resources and environment to preserve the stability of natural ecosystems.
- *SK*-8. The ability to use knowledge to reduce the negative impact of technologically-altered landscapes.
- *IC-9.* The ability to use calculation methods for environmental risk assessment of anthropogenic impact on the environment.
- *SC-10* The ability to use the basic knowledge of chemistry, bioheohimiyi biology to the extent necessary to study professional courses and for use in their chosen profession
- *Insurance*.-11. The ability to use the principles of sustainable environmental management to ensure the implementation of preventive measures to protect the environment and conserve natural resources.
- *SC-12*. The ability to use the basic knowledge of geology and geomorphology to the extent necessary to study professional courses and for use in their chosen profession.
- SC-13. The ability to use modern methods of experimental work on technological objects in industrial and laboratory

conditions, skills with modern instrumentation.

- *IC-14*. The ability to provide the required level of safety of life and safety in solving professional problems.
- *SC-15*. The ability to use the basic knowledge of morphological characteristics of the soil, the impact of environmental factors on soil formation processes.
- *SC-16*. The ability to use the basic knowledge of hydrology for sustainable and integrated water management, water management solutions to environmental problems.
- *SC-17*. The ability to use basic knowledge about the structure i composition of the atmosphere, weather patterns forming i climate, their impact on the environment
- *SC-18*. The ability to use the principles of sustainable environmental management to ensure the implementation of preventive measures to protect the environment and conserve natural resources.
- *SC-19*. The ability to use knowledge of the principles of formation of environmental economics and business management procedures that make environmental management functions, tasks of environmental management.
- *SC-20*. The ability to use knowledge of technology, economic and regulatory instruments of protection and restoration of the environment and natural resources.
- *SC-21*. Skills for working with the most common software packages and use them to solve practical problems in the field of environmental protection.
- SC-22. The ability to use knowledge of basic factors, trends and consequences of urbanization prospects and principles of urban systems;
- *SC-23*. Skills presentation of scientific material and arguments in writing and orally.
- *SC-24*. The ability to use knowledge of methodological, legal and methodological principles of environmental assessments.

#### F Program Learning Outcomes

Results of studies in cognitive (cognitive) sphere

- *SW-1.* AProvodyty analysis, synthesis, creative thinking, evaluation and systematization of various Information sources for comprehensive environmental studies.
- *SW-2. AP*redstavlyaty results comprehensive environmental studies as scientific reports and presentations, using modern mapping and graphical methods.
- *SW-3*. Cooking results integrated environmental Research to be published.
- *SW-4.* Possess modern methods of mathematical modeling and forecasting of the environment;
- *SW-5.* WITHusefulness of use and for use in professional activities the provisions of national and international legislation in the field of environmental protection;
- *SW-6*. Evaluate human impact on objects protected areas, providing recommendations for their protection organization based on their environmentally-oriented forms of recreation and rehabilitation.
- SW-7. Assess the condition and the water quality of water bodies and analyze the dynamics of change depending on the conditions of water use and wastewater purification efficiency return water to provide recommendations to improve the ecological status of water bodies.
- *RCS-8.* ATtsinyuvaty level of anthropogenic load on the air and analyze the dynamics of air quality depending on the level of technical equipment pylohazoochysnyh facilities and equipment, weather-meteorological factors make recommendations for improvement.
- *SW-9.* Evaluate the impact of waste production and consumption to environmental quality, efficiency of their treatment and provide recommendations for improving environmental safety.
- *SW-10*. Evaluate dangerous geological processes (events) to determine the ecological and geological condition of territories and living conditions of the population, provide recommendations for improvement.
- SW-11. Evaluate the status and quality of soil, depending on the technologies of land use, climatic and landscape conditions provide suggestions for improving agroecological zoning and state
- *SW-12*. Assess the situation that may arise as a result of natural and man-made and provide recommendations for its stabilization.
  - SW-13. Evaluate the environmental and economic

- efficiency of design solutions from the standpoint of sustainable development, develop recommendations for optimal environmental management.
- *SW-14*. Develop programs to ensure environmental safety, staff training methods of storing energy and natural raw materials, safe working methods.
- SW-15. Develop comprehensive measures of environmental protection from excessive anthropogenic pressures.
- *SW-16*. To be able to assess the need for a comprehensive approach to improve environmental safety, Environment and natural resources.
- *SW-17*. You can search the latest technical and technological and organizational solutions to implementation in production of promising environmental, resource and energy-saving developments and modern equipment.
- *SW-18*. Distribute responsibilities in the field of environmental activities between structural divisions of the company.
- *SW-19*. To draft orders, regulations on environmental protection and natural resources.
- SW-20. Make a plan of subdivision and current environmental reports to address environmental issues.
- *SW-21*. Draw up terms of reference for the development of scientific and technical products and execute according to regulatory requirements.
- *SW*-22. Carry out an environmental audit operation manmade object (enterprise) and territory.
- *SW-23*. Develop an environmental management system framework, taking into account industry specifics and scale of enterprises, organizations and territories.
- SW-24. Following the technical, regulatory, legal and organizational bases of management of environmental safety design measures to minimize the negative effects of emergencies.
- *SW-25*. Execute applications on regional, national and international grants and tender documents for professional research projects, provide them with support and passage;
- *SW-26.* Organize interaction with state agencies of environmental control, public and other stakeholders in the environmental activities of enterprises, organizations and enterprises to ensure the timely exchange of information and improve the planning system.

*SW-27.* Organize training sessions and checks the results of student learning.

SW-28. WITHusefulness identify environmental violations.

*SW-29.* Know methods and evaluate the environmental impact of economic activities.

### Learning outcomes of value-motivational sphere

*RTSMS-1*. Meet the requirements of professional ethics in the workplace

*RTSMS-2.* Participate in the discussion of the results of different types of work (research, search, design, etc.)

RTSMS-3. Identify desire to work independently

RTSMS-4. Asking questions in discussions with colleagues, teachers

*RTSMS-5*. To form the equal treatment of students with different abilities in the group

RTSMS-6. To demonstrate the acquired skills in a foreign language in the creation of scientific and project documentation

*RTSMS-7.* Results represent different types of work (research, search, design, etc.) mother and one of the major European languages

RTSMS-8. Organize safety measures in the workplace

*RTSMS-9*. Understand the scientific and technical texts in native and one of the major European languages

Results of studies in	
the field of	RPS-1. Experimental off repeatedly reproduce experimental results
psychomotor	to obtain reliable values and calculation error experiment
	RPS-2. Observe safety in the workplace
	*

# II. DEFINITIONS academic disciplines / modules that will ensure achievement of planned learning outcomes and forms of certification candidates for higher education educational program according to the standard of higher education

Table 1. Distribution content of educational and professional training program cycles and the shape of the final control

number by / n	Subjects	Credits required	additional Credits	Hours	Semester	Tetramestr	Final control
	1. <b>Com</b>	pulsory	subject	S			·
	1.1 The cycle of general train	ing (for	ming ger	neral con	npeten	ce)	
1.1.1	History of Ukraine	3	0	90	1	1.2	copies.
1.1.2	Philosophy	3	1	120	4	7.8	copies.
1.1.3	History of Ukrainian Culture	2	0	60	1	2	copies.
1.1.4	Politology	2	0	60	2	3	credit
1.1.5	Foreign Language (for professional purposes)	5	3	240	1.2	1,2,3,	copies.
1.1.6	Ukrainian language (for professional purposes)	3	0	90	5	9,10	copies.
1.1.7	Higher mathematics	6	3	270	1.2	1,2,3,	d.zalik / copies.
1.1.8	Physics	4.5	3.5	240	2.3	3,4,5,	credit / copies.
1.1.9	Geology with bases of geomorphology	3	0	90	2	4	copies.
1.1.10	Hydrology	3	0	90	8	15	copies.

1.1.11 Meteorology and klimatolohiyahrafiya 3 1 120 5  1.1.12 Information and Systemology 3 3 180 3	9,10	ind
1.1.12 Information and Systemology 2 2 190 2		1110
Information and Systemology 3 3 180 3	5.6	ind
1.1.13 Pedology 3 1 120 4	7.8	credit
1.1.14 Chemical fundamentals of biogeochemistry 4.5 2.5 210 1	1.2	ind
	1,2,3, 4,5,6, 7,8	credit
Total for Cycle   48.0   18.0   1980		
1.2 Cycle training		
Entry to the profession		
1.2.1 3 0 90 2	4	credit
1.2.2 Biology 6 0 180 1	1.2	ind
1.2.3 General ecology (and Neo) 6 1 210 3	5.6	ind
1.2.4 Landscape ecology 3 0 90 2	3.4	credit
1.2.5 human Ecology 3 2 150 7	13,14	credit
1.2.6 environmental monitoring 6 0 180 6	11,12	ind
1.2.7 Modeling and prediction of the environment 4.5 1.5 180 6	11,12	ind
1.2.8 Technical Ecology 4.5 0.5 150 6	11,12	ind
1.2.9 urboecology 4.5 0.5 150 7.8	13,14, 15	credit / ind
1.2.10 Rationing anthropogenic load 4.5 0.5 150 5	9,10	ind
1.2.11 Ecological safety 4.5 0.5 150 6	11,12	d.zalik
Environmental impact assessment	1.5	. 1
Environmental zaknodavstvo and	15	ind
11/13 1	13,14	ind
Company management in environmental  1.2.14 activities		ind
Environmental Economics 3 0 90 7	13,14	IIIG
1.2.15	14,15	credit
Reserve business	- 1,10	110011
02/01/16	5	credit
02/01/17 Life Safety 2 0 60 1	1	credit

02/01/18	Basics of labor protection						
02/01/18		1.5	1.5	90	7	14	copies.
	Internship						
1.2.19		6	0	100	o	16	d golile
		6	0	180	8	16	d.zalik
	Transfer Coals	75.5	0.5	2520			
	Total for Cycle	75.5	8.5	2520			
	Required parts together	123.5	26.5	4500			
	2.VYBIRKOVI acad	emic di	iscipline	8			
	2.1 The cycle of gen	neral tr	aining	I		1	
2.1.1	Sociology	0	2	60	5	9	credit
2.1.2							
2.1.2	Psychology	0	2	60	3	6	credit
2.1.3	Foundations of economic theory	0	3	90	4	8	ind
2.1.4	science of law	0	2	60	4	7	credit
	Total for Cycle	0	9	270			
	2.2 Cycle tro	aining					
2.2.1	Engineering graphics						
	Marada	0	2	60	1	1.2	d.zalik
2.2.2	Materials						
		0	2	60	3	5.6	credit
2.2.3	Analytical Chemistry in ecology	0	6	180	3	5.6	ind
	Physical chemistry ecology			100			IIIu
2.2.4	,,	0	6		4	7.8	copies
	Organic chemistry ecology			180			•
2.2.5	Organic Chemistry ecology	0	6	100	2	3.4	
	Processes and equipment Environmental			180		0.10	ind
2.2.6	Technologies	0	9	270	5.6	9,10, 11,12	d.zalik / copies.
	Fundamentals of environmental	_	_	270			
2.2.7	technologies	0	4	120	8	15	copies .
	Mathematical modeling and computer						
2.2.8	applications in chemical technology	0	3	90	7	13,14	d.zalik
	equipment industry			70			u.zank
2.2.9		0	4	120	7	13,14	copies
	Chemistry and technology of water			120			
2.2.10	conditioning	0	5	150	4	7.8	d.zalik
			I	100		1	u.Zuiik

2.2.11	Radioecology	0	4	120	5	9,10	credit
2.2.12	Methods of measuring environmental parameters	0	4	120	5	9,10	credit
2.2.13	Recycling and recovery of waste	0	3	90	7	13	credit
2.2.14	Wastewater Treatment Technology	0	4	120	5	9,10	ind
2.2.15	Gas emissions purification technology	0	4	120	6	11,12	d.zalik
02/02/16	The theoretical basis of environmental protection	0	6	180	4	7.8	ind
02/02/17	Training and Qualifications Bachelor of State certification (DA)	0	9	270			
	Total for Cycle	0	81	2430			
	SELECTIVE pieces together	0	90	2700			
	TOTAL LOANS duties	12	23.5	3705			
	LOANS TOTAL SAMPLE	116.5		3495			
	TOTAL VOLUME	2	40	7200			

**Table** 2. Generalized distribution of educational content professional groups prohramyza components (subjects) and cycle training

No		Workload applicant Higher Education (loans /%)				
p / p	Cycle training	Required components of educational and professional program	Selected components of educational and professional program	Total for the entire period of study		
1.	The cycle of general training (forming general competence)	48	27	75 / 31.25		
2.	Cycle training (forming special (professional) competence)	75.5	89.5	165 / 68.75		
Total for the entire period of study		123.5 / 51	116.5 / 49	240/100		

Table 3. List of subjects educational and professional training programs competitors education first (bachelor) level, learning time ECTS credits for cycle training and a list of existing competencies and learning outcomes

Training cycles	Ciphers competencies	Ciphers learning outcomes	The list of disciplines	ECTS credits
1	2	3	4	5
		1. Compulsory su	ıbjects	
1.1.	LC-1, LC-2 LC-8, 9-	RTSMS-4, 5-RTSMS		3.0
The cycle of	HCC, LC-10, LC-11		1.1.1 History of Ukraine	3.0
general training	LC-1, LC-3, ZK-4,	RTSMS-4 RTSMS-6 RTSMS-		4.0
	ZK-9, HCC-11	7 RTSMS-8 RTSMS-9, SW-9	1.1.2 Philosophy	4.0
	LC-1, LC-2 LC-7,	RTSMS-1 RTSMS-3 RTSMS-		
	HCC-8, ZK-9, HCC-	4, 5-RTSMS		2.0
	11		1.1.3 History of Ukrainian Culture	
	LC-1, LC-8	RTSMS-1 RTSMS-3 RTSMS-		2.0
		4, 5-RTSMS	1.1.4 Politics	2.0
	LC-1, LC-3 LC-5, LC-	RTSMS-6 RTSMS-7 RTSMS-	1.1.5 Foreign Language (for	8.0
	6 LC-9, LC-11, SC-4	9, SW-9	professional purposes)	0.0
	LC-1, LC-3 LC-8, LC-	SW-6, SW-9, RPS-1	1.1.6 Ukrainian Language (for	3.0
	15, SC-1, SC-2, IC-13		professional purposes)	3.0
	LC-1, LC-2 LC-3 LC-	SW-6, SW 9, SW-8 RPS-1		
	6 LC-8, LC-13, LC-			9.0
	15, SC-1, SC-2, SK-5		1.1.7 Higher Mathematics	
	LC-1, LC-2 LC-3 LC-	SW-6, SW 9, SW-8 RPS-1		
	6 LC-8, LC-12, LC-			8.0
	13, LC-15, TC1, IC 2,			8.0
	IC-13		1.1.8 Physics	
	LC-1, LC-3 LC-8, LC-	SW-1, SW 3, SW 8, SW-10		
	12, LC-13, LC-15,	RTSMS-4, PSD-1, PSD-2		3.0
	SC-1, SC-2, SC 3, SC-		1.1.9 Geology with bases of	3.0
	10, SC-13		geomorphology	

	LC-1, LC-3 LC-8, LC-12, LC-13, LC-15, SC-1, SC-2, SC 3, SC-10, SC 12	SW-1, SW 3, SW 8, SW-10 RTSMS-4, PSD-1, PSD-2	1.1.0 Hydrology	3.0
	10, SC-13 LC-1, LC-3 LC-8, LC- 12, LC-13, LC-14, LC-15, SC-2	SW-1, SW 3, SW 4, SW 8, SW-10 RTSMS-4 RTSMS-8 PSD-1, PSD-2	1.1.9 Hydrology  1.1.10 Meteorology and klimatolohiyahrafiya	4.0
	LC-1, LC-2 LC-3 LC-6 LC-8, LC-13, LC-15, SC-1, SC-2, SK-5	SW-6, SW 9, SW-8 RPS-1	1.1.11 Information and Systemology	6.0
	LC-1, LC-3 LC-8, LC- 12, LC-13, LC-15, SC-1, SC-2, SC 3, SC- 10, SC-13	SW-1, SW 3, SW 8, SW-10 RTSMS-4, PSD-1, PSD-2	1.1.12 Soil	4.0
	LC-1, LC-3 LC-8, LC- 12, LC-13, LC-15, SC-1, SC-2, SC 3, SC- 10, SC-13	SW-1, SW 3, SW 8, SW-10 RTSMS-4, PSD-1, PSD-2	1.1.13 chemistry with the fundamentals of biogeochemistry	7.0
			TOTAL 1.1	66
1.2. Cycle training	LC-1, LC-3, ZK-4, ZK-7, LC-12, LC-14, LC-15, SC- 1, SC-3 SC 4, SC-6 SC-7 SK- 8, SC-10, SC-11, SC- 13, SC-14	SW-1, SW-2, SW 9, SW-11 RTSMS-3-9 RTSMS	1.2.1 Introduction to the profession	3.0
	LC-1, LC-2 LC-3 LC-6 LC-7, HCC-8, LC-9, LC- 10, LC-11, LC-12, LC-13, LC-14, ZK- 15, SC-1, SC- 2, IC-3, IC-5, SK-6 SK-7, SC-8, SC 9, SC-10, SC-11, SC-12, SC-13, SC-14	SW-1, SW-2, SW 3, SW 4, SW 5, SW-6, SW-7 SW-8, SW-9 RTSMS-2 RTSMS-3 RTSMS-4 RTSMS- 7 RTSMS-8 PSD-1, PSD-2	1.2.2 Biology	6.0

LC-1, LC-2 LC-3 LC-6	SW-1, SW-2, SW 3, SW 4,	1.2.3 General Ecology (and Neo)	
LC-7, HCC-8, LC-9, LC-	SW 5, SW-6, SW-7 SW-8,	1.2.3 General Leology (and 1400)	
10, LC-11, LC-12, LC-13,	SW-9 RTSMS-2 RTSMS-3		
LC-14, ZK- 15, SC-1, SC-	RTSMS-4 RTSMS-7		7.0
			7.0
2, IC-3, IC-5, SK-6 SK-7,	RTSMS-8 PSD-1, PSD-2		
SC-8, SC 9, SC-10, SC-11,			
SC-12, SC-13, SC-14			
LC-1, LC-2 LC-3 LC-6	SW-1, SW-2, SW 3, SW 4,	1.2.4 Landscape Ecology	
LC-7, HCC-8, LC-9, LC-	SW 5, SW-6, SW-7 SW-8,		
10, LC-11, LC-12, LC-13,	SW-9 RTSMS-2 RTSMS-3		
LC-14, ZK- 15, SC-1, SC-	RTSMS-4 RTSMS- 7		3.0
2, IC-3, IC-5, SK-6 SK-7,	RTSMS-8 PSD-1, PSD-2		
SC-8, SC 9, SC-10, SC-11,			
SC-12, SC-13, SC-14			
LC-1, LC-2 LC-3 LC-6	SW-1, SW-2, SW 3, SW 4,	1.2.5 Human Ecology	
LC-7, HCC-8, LC-9, LC-	SW 5, SW-6, SW-7 SW-8,		
10, LC-11, LC-12, LC-13,	SW-9 RTSMS-2 RTSMS-3		
LC-14, ZK- 15, SC-1, SC-	RTSMS-4 RTSMS- 7		5.0
2, IC-3, IC-5, SK-6 SK-7,	RTSMS-8 PSD-1, PSD-2		
SC-8, SC 9, SC-10, SC-11,	,		
SC-12, SC-13, SC-14			
LC-1, LC-2 LC-3 LC-6	SW-1, SW-2, SW 3, SW 4,	1.2.6 Environmental Monitoring	
LC-7, HCC-8, LC-9, LC-	SW 5, SW-6, SW-7 SW-8,		
10, LC-11, LC-12, LC-13,	SW-9 RTSMS-2 RTSMS-3		
LC-14, ZK- 15, SC-1, SC-	RTSMS-4 RTSMS-7		6.0
2, IC-3, IC-5, SK-6 SK-7,	RTSMS-4 RTSMS-7 RTSMS-8 PSD-1, PSD-2		0.0
	K151v15-0 1 5D-1, 1 5D-2		
SC-8, SC 9, SC-10, SC-11,			
SC-12, SC-13, SC-14			

LC-1, LC-2 LC-3 LC-6	SW-1, SW-2, SW 3, SW 4,	1.2.7 Modeling and prediction of the	
LC-7, HCC-8, LC-9, LC-	SW 5, SW-6, SW-7 SW-8,	environment	
10, LC-11, LC-12, LC-13,	SW-9 RTSMS-2 RTSMS-3		
LC-14, ZK- 15, SC-1, SC-	RTSMS-4 RTSMS- 7		6.0
2, IC-3, IC-5, SK-6 SK-7,	RTSMS-8 PSD-1, PSD-2		
SC-8, SC 9, SC-10, SC-11,			
SC-12, SC-13, SC-14			
LC-1, LC-2 LC-3 LC-6	SW-1, SW-2, SW 3, SW 4,	1.2.8 Technical Ecology	
LC-7, HCC-8, LC-9, LC-	SW 5, SW-6, SW-7 SW-8,		
10, LC-11, LC-12, LC-13,	SW-9 RTSMS-2 RTSMS-3		
LC-14, ZK- 15, SC-1, SC-	RTSMS-4 RTSMS- 7		5.0
2, IC-3, IC-5, SK-6 SK-7,	RTSMS-8 PSD-1, PSD-2		
SC-8, SC 9, SC-10, SC-11,			
SC-12, SC-13, SC-14			
LC-1, LC-2 LC-3 LC-6	SW-1, SW-2, SW 3, SW 4,	1.2.9 urboecology	
LC-7, HCC-8, LC-9, LC-	SW 5, SW-6, SW-7 SW-8,		
10, LC-11, LC-12, LC-13,	SW-9 RTSMS-2 RTSMS-3		
LC-14, ZK- 15, SC-1, SC-	RTSMS-4 RTSMS- 7		5.0
2, IC-3, IC-5, SK-6 SK-7,	RTSMS-8 PSD-1, PSD-2		
SC-8, SC 9, SC-10, SC-11,			
SC-12, SC-13, SC-14			
LC-1, LC-2 LC-3 LC-6	SW-1, SW-2, SW 3, SW 4,	1.2.10 The standardization of	
LC-7, HCC-8, LC-9, LC-	SW 5, SW-6, SW-7 SW-8,	anthropogenic load	
10, LC-11, LC-12, LC-13,	SW-9 RTSMS-2 RTSMS-3		
LC-14, ZK- 15, SC-1, SC-	RTSMS-4 RTSMS- 7		5.0
2, IC-3, IC-5, SK-6 SK-7,	RTSMS-8 PSD-1, PSD-2		
SC-8, SC 9, SC-10, SC-11,			
SC-12, SC-13, SC-14			
LC-1, LC-10	RTSMS-1 RTSMS-3 RTSMS-	1.2.11 Environmental Safety	
	4 RTSMS-5 RTSMS-8, SW-		5.0
	10, PSD-2		

LC-1, LC-10	RTSMS-1 RTSMS-3 RT 4 RTSMS-5 RTSMS-8,	1	3.0
	10, PSD-2	assessment	3.0
LC-1, LC-10	RTSMS-1 RTSMS-3 RT		
	4 RTSMS-5 RTSMS-8, 10, PSD-2	SW- environmental law	5.0
LC-1, LC-2 LC-		V-7 1.2.14 Management Organization in	
LC-7, HCC-8, I		$\mathcal{E}$	
13, LC-14, LC-	,		
SC-2, SK- 3, SH	K-5, SK-6 PSD-2		3.0
SK-7, SC-8, SC	C 9, SC-10,		
SC-11, SC-12, S	SC-13, SC-		
14			
LC-1, LC-2 LC-	-3, ZK-4, RTSMS-1 RTSMS-3 RT	ΓSMS- 1.2.15 Environmental Economics	
ZK-6 LC-7, HC			
LC-10, LC-11, 1	LC-13, LC-		3.0
15, SK- 3 SC 4,			
7 SC-8, SC-11,			
LC-1, LC-2 LC-			
LC-7, HCC-8, I	,		
13, LC-14, LC-	, , , ,	SD-1,	
SC-2, SK- 3, SF			3.0
SK-7, SC-8, SC	, , , , , , , , , , , , , , , , , , ,		
SC-11, SC-12, S	SC-13, SC-		
14			
LC-1, LC-4, ZK	·		2.0
8, LC-12, LC-13			2.0
LC-1, LC-2, ZK		<b>-</b>	
HCC-8, LC-9, I		PS-2	3.0
14, SC-10, SC-1	12		

	LC-1, LC-2 LC-3, ZK-4, ZK-7, HCC-8, LC-12, LC- 13, LC-14, LC-15, SC-1, SC-2, SK-3, SK-5, SK-6 SK-7, SC-10, SC-11, SC- 13	SW-1, SW-2, SW 3, SW 4, SW 5, SW-7 SW-8, SW-10, SW-11 RTSMS-1 RTSMS-2 RTSMS-3 RTSMS-4 RTSMS-5 RTSMS-6 RTSMS- 8 RTSMS-9, RPS-2	1.2.19 Manufacturing Practice	6.0
			TOTAL 1.2	84
			Required parts together	150
2.1 The cycle		2. Selec	ctive Courses	
of general training	LC-1, LC-2 LC-3 LC-6 LC-7, HCC-8, LC-12, LC- 13, LC-14, LC-15, SC-1, SC-2, SK- 3, SK-5, SK-6 SK-7, SC-8, SC 9, SC-10, SC-11, SC-12, SC-13, SC- 14	SW-1, SW-2, SW 3, SW-7 SW-10 RTSMS-1 RTSMS-2 RTSMS-3 RTSMS-8 PSD-1, PSD-2	2.1.1 Sociology	2.0
	LC-1, LC-2 LC-3 ZK-4, ZK-5, LC-6 ZK-7, HCC-8, ZK-9, LC-10, LC-12, LC-13, LC-15 SC-1, SC-2, SC-12, SC-15, SC-17	SW-1, SW-2, SW 3, SW-4, RKS-26, RKS-27 RTSMS-1 RTSMS-2 RTSMS-3 RTSMS-4 RTSMS-5 RTSMS-6 RTSMS-7, 9 RTSMS-	2.1.2 Psychology	2.0
	LC-1, LC-8, HCC-10	RTSMS-1 RTSMS-3 RTSMS-4 RTSMS-5, SW-10	2.1.3 Principles of Economic Theory	3.0

2.2 Cycle training	LC-1, LC-2 LC-3 LC-6 LC-7, HCC-8, LC-12, LC- 13, LC-14, LC-15, SC-1, SC-2, SK- 3, SK-5, SK-6 SK-7, SC-8, SC 9, SC-10, SC-11, SC-12, SC-13, SC- 14	SW-1, SW-2, SW 3, SW-7 SW-10 RTSMS-1 RTSMS-2 RTSMS-3 RTSMS-8 PSD-1, PSD-2	2.1.4 Law	2.0
			TOTAL 2.1	9.0
	LC-1, LC-2, ZK-7, HCC-13, SC-11, SC-12	RTSMS-2 RTSMS-3, 4- RTSMS	2.2.1 Engineering Graphics	2.0
	LC-1, LC-2 LC-3, ZK-4, ZK-6 LC-7, LC-12, LC- 14, LC-15, CS-1, SC-3, -4 SC, SC - 6 UK -7, -8 SC, SC-10, SC 11, SC -14	SW-1, SW-2, SW 3, SW 4, SW-7, SW 9, SW 10, SW 11, RTSMS-2 RTSMS-3 RTSMS- 6 RTSMS-7 RTSMS- 9	2.2.2 Material	2.0
	LC-1, LC-2 LC-3, ZK-4, ZK-6 LC-7, HCC-8, LC-9, LC-11, LC-12, LC-13, LC- 14, SK-1, IC-2, IC-3, IC- 5, 6-IC, IC-7, IC-8 SC 9, SC-10, SC-11, SC-12, SC- 13	SW-1, SW 3, SW 8, SW-10 RTSMS-4, PSD-1, PSD-2	2.2.3 Analytical Chemistry in ecology	6.0
	LC-1, LC-2 LC-3, ZK-4, ZK-6 LC-7, HCC-8, LC-9, LC-11, LC-12, LC-13, LC- 14, SK-1, IC-2, IC-3, IC- 5, 6-IC, IC-7, IC-8 SC 9, SC-10, SC-11, SC-12, SC- 13	SW-1, SW 3, SW 8, SW-10 RTSMS-4, PSD-1, PSD-2	2.2.4 Physical Chemistry in ecology	6.0

LC-1, LC-3 LC-8, LC- 12, LC-13, LC-15, SC-1, SC-2, SC 3, SC- 10, SC-13	SW-1, SW 3, SW 8, SW-10 RTSMS-4, PSD-1, PSD-2	2.2.5 Organic Chemistry in ecology	6.0
LC-1, LC-2 LC-3 LC-6 LC-7, HCC-8, LC-12, LC- 13, LC-14, LC-15, SC-1, SC-2, SK- 3, SK-5, SK-6 SK-7, SC-8, SC 9, SC-10, SC-11, SC-12, SC-13, SC- 14	SW-1, SW-2, SW 3, SW-7 RTSMS-1 RTSMS-2 RTSMS- 3 RTSMS-8 PSD-1, PSD-2	2.2.6 processes and equipment Environmental Technologies	9.0
LC-1, LC-2 LC-3 LC-6 LC-7, HCC-8, LC-12, LC- 13, LC-14, LC-15, SC-1, SC-2, SK- 3, SK-5, SK-6 SK-7, SC-8, SC 9, SC-10, SC-11, SC-12, SC-13, SC- 14	SW-1, SW-2, SW 3, SW-7 RTSMS-1 RTSMS-2 RTSMS- 3 RTSMS-8 PSD-1, PSD-2	2.2.7 Basics of environmental technologies	4.0
LC-1, LC-2 LC-3 LC-5 LC-6 LC-7, HCC-8, ZK-9, SC-1, SC-2, IC-3, IC 4, SK-5 IC-6 IC-7, IC-8, SC-	SW-1, SW-6, SW-9 RTSMS-2 RTSMS-3 RTSMS-4 RTSMS- 5, 6-RTSMS	2.2.8 Mathematical modeling and computer applications in chemical technology	3.0
LC-1, LC-2 LC-3 LC-6 LC-7, HCC-8, LC-12, LC- 13, LC-14, LC-15, SC-1, SC-2, SK- 3, SK-5, SK-6 SK-7, SC-8, SC 9, SC-10, SC-11, SC-12, SC-13, SC- 14	SW-1, SW-2, SW 3, SW-7 RTSMS-1 RTSMS-2 RTSMS- 3 RTSMS-8 PSD-1, PSD-2	2.2.9 Equipment industry	4.0

*	C-3 LC-8, LC- 13, LC-15,	SW-1, SW 3, SW 8, SW-10 RTSMS-4, PSD-1, PSD-2	2.2.10 chemicals and water conditioning technology	
	SC-2, SC 3, SC-	1,150 1,150 2	teelmology	5.0
LC-1, I 12, LC- SC-1, S	C-3 LC-8, LC- 13, LC-15, C-2, SC 3, SC-	SW-1, SW 3, SW 8, SW-10 RTSMS-4, PSD-1, PSD-2	2.2.11 Radioecology	4.0
ZK-6 LC LC-11, I 14, SK- 5, 6-IC, I SC-10, S 13	C-2 LC-3, ZK-4, C-7, HCC-8, LC-9, C-12, LC-13, LC- 1, IC-2, IC-3, IC- IC-7, IC-8 SC 9, SC-11, SC-12, SC-	SW-1, SW 3, SW 8, SW-10 RTSMS-4, PSD-1, PSD-2	2.2.12 Methods of measuring environmental parameters	4.0
LC-14, I	C-3, ZK-4, ZK-12, LC-15, SC-1, SC- SC-8, SC-10, SC- 14	SW-1, SW-2, SW 9, SW-11 RTSMS-1 RTSMS-3 RTSMS- 6 RTSMS 9	2.2.13 Disposal and recovery of waste	3.0
12, LC-	C-3 LC-8, LC- 13, LC-15, 3C-2, SC 3, SC- 13	SW-1, SW 3, SW 8, SW-10 RTSMS-4, PSD-1, PSD-2	2.2.14 Wastewater Treatment Technology	4.0
HCC-15	C-3, ZK-4, ZK-7, , SC-1, SC-2, IC- C-5, SK-6 SK-9 SC-14	SW-1, SW-2, SW-5, SW 8, SW 9, SW-11 RTSMS-1 RTSMS-2 RTSMS-3 RTSMS- 7, 9-RTSMS, RPS-1	2.2.15 gas emissions purification technology	4.0
12, LC-	CC-3 LC-8, LC- 13, LC-15, 3C-2, SC 3, SC- 13	SW-1, SW 3, SW 8, SW-10 RTSMS-4, PSD-1, PSD-2	02.02.16 Theoretical Foundations of Environmental Protection	6.0

Lo	.C-1, LC-3, ZK-4, ZK-7,	SW-2, SW 3, SW 4, SW 5,		
H	ICC-8, LC-12, LC-14,	SW-6, SW-7 SW-8, SW 9, SW		
Lo	.C-15, SC-1, SC-2, IC-3,	10, SW 11, RTSMS-2		9.0
IC	C 4, SK- 5 SC-6 SC-7	RTSMS-3 RTSMS-4		9.0
SO	C-8, SC 9, SC-10, SC-11,	RTSMS-6 RTSMS-7, 9-	2.2.17 Training and Qualifications	
SC	C-12, SC-13, SC-14	RTSMS, PSD-1, PSD-2	Bachelor of State certification (DA)	
			Total for Cycle	81.0
			SELECTIVE pieces together	90.0
			TOTAL VOLUME	240

Table 4.1. Matrix matching software competencies training component disciplines of general training

	com	pon	ent (	aisci	ıpıır	ies (	or ge	ner	ai tr	aini	ng					
Code of discipline curriculum	1.1.1	1.1.2	1.1.3	1.1.4	1.1.5	1.1.6	1.1.7	1.1.8	1.1.9	1.1.10	1.1.11	2.1.1	2.1.2	2.1.3	2.1.4	2.1.5
IK								+								
TSP-1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
LC-2	+		+				+	+							+	+
LC-3		+			+	+	+	+	+	+	+				+	+
ZK-4		+														
LC-5					+											
LC-6					+		+	+							+	+
LC-7			+	+											+	+
LC-8	+		+			+	+	+	+	+	+	+	+		+	+
LC-9	+	+	+		+										+	+
HCC-10	+			+									+	+	+	+
HCC-11	+	+	+	+	+										+	+
HCC-12									+	+	+				+	+
HCC-13							+	+	+	+	+				+	+
HCC-14															+	+
HCC-15						+	+	+	+	+	+				+	+
SC-1						+	+	+	+	+					+	+
SC-2						+	+	+	+	+	+				+	+
SC-3									+	+					+	+
SC-4					+											
SK-5							+	+							+	+
SC-6															+	+
SC-7															+	+
SK-8															+	+
SC-9															+	+
SC-10									+	+						+
SC-11															+	+
SC-12																+
SC-13						+			+						+	+
SC-14															+	+

Table 4.2. Matrix matching software components competences educational disciplines cycle training

16	ible 4	• <b>2</b> • 1V	Lau L	л ша	itCIIII	ig su	ııwa	1000	mpe	ш	is co	прсі	CHCC	s cu	ucau	lunai	uist	Thm	ics c	ycic	u an	ning				
Code of discipline curriculum	1.2.1	1.2.2	1.2.3	1.2.4	1.2.5	1.2.6	1.2.7	1.2.8	1.2.9	1.2.10	1.2.11	1.2.12	1.2.13	2.2.1	2.2.2	2.2.3	2.2.4	2.2.5	2.2.6	2.2.7	2.2.8	2.2.9	2.2.10	2.2.11	1.2.14	1.2.15
INT												•	+			•										
TSP-1	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+
LC-2	+	+	+	+	+	+	+	+	+	+		+	+							+	+		+	+	+	+
LC-3		+	+	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+
ZK-4						+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+	+	+
LC-5				+																						
LC-6		+	+	+	+	+	+	+	+	+			+	+		+				+	+					
LC-7	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+		+	+	+	+
LC-8		+	+	+	+	+	+	+	+	+	+	+								+	+		+	+	+	+
LC-9				+		+	+	+	+	+	+	+								+	+					
HCC-10						+														+	+					
HCC-11						+	+	+	+	+				+						+	+					
HCC-12		+	+		+		+	+	+	+	+	+	+					+	+	+	+	+	+	+	+	+
HCC-13	+	+	+		+	+	+	+	+	+	+									+	+		+	+	+	+
HCC-14		+	+		+		+	+	+	+		+	+	+				+	+	+	+	+		_	+	+
HCC-15		+	+		+	+							+		+	+	+	+	+	+	+	+	+	+	+	+
SC-1		+	+	+	+		+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+	+

SC-2		+	+	+	+	+	+	+	+					+	+			+	+		+	+	+	+
SC-3		+	+	+	+	+	+	+	+			+			+	+	+	+	+		+	+	+	+
SC-4				+								+	+		+	+	+			+	+	+		
SK-5		+	+	+	+	+	+	+	+						+			+	+		+	+	+	+
SC-6		+	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+
SC-7		+	+	+	+	+	+	+	+			+		+	+	+	+	+	+		+	+	+	+
SK-8		+	+	+	+	+	+	+	+			+			+	+	+	+	+	+				+
SC-9		+	+		+	+	+	+	+									+	+		+	+		+
SC-10		+	+		+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+
SC-11	+	+	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+
SC-12	+	+	+		+	+	+	+	+		+							+	+		+	+		+
SC-13		+	+		+	+	+	+	+				+	+		+	+	+	+	+	+	+	+	+
SC-14		+	+		+							+	+		+	+	+	+	+					+

Table 5.1. Matrix Software learning outcomes associated components disciplines of general training

		4.	scipi		<u> </u>		<b>CLI</b> (1	· WIII	8							
Code of discipline curriculum	1.1.1	1.1.2	1.1.3	1.1.4	1.1.5	1.1.6	1.1.7	1.1.8	1.1.9	1.1.10	1.1.11	2.1.1	2.1.2	2.1.3	2.1.4	2.1.5
SW-1.									+	+	+				+	+
SW-2.																
SW-3.									+	+	+					
SW-4.											+					+
SW-5.																
SW-6.						+	+	+								
SW-7.															+	
RCS-8.							+	+	+	+	+			+		
SW-9.		+			+	+	+	+							+	+
SW-10.									+	+	+		+	+	+	
SW-11.																
RTSMS-1.			+	+								+	+	+	+	+
RTSMS-2.															+	+
RTSMS-3.			+	+								+	+	+	+	+
RTSMS-4.	+	+	+	+					+	+	+	+	+	+	+	
RTSMS-5.	+	+	+	+								+	+	+		
RTSMS-6.		+			+											
RTSMS-7.		+			+											
RTSMS-8		+			+						+					
RTSMS 9																
RPS-1.						+	+	+	+	+	+					
RPS-2.									+	+	+					

Table 5.2. Matrix Software learning outcomes associated components disciplinesgeneral training cycle

Code of discipline curriculum	1.2.1	1.2.2	1.2.3	1.2.4	1.2.5	1.2.6	1.2.7	1.2.8	1.2.9	1.2.10	1.2.11	1.2.12	1.2.13	2.2.1	2.2.2	2.2.3	2.2.4	2.2.5	2.2.6	2.2.7	2.2.8	2.2.9	2.2.10	2.2.11	1.2.14	1.2.15
SW-1.		+	+	+	+		+	+	+	+			+	+	+		+	+	+	+	+	+			+	
SW-2.		+	+		+						+	+	+	+		+	+	+	+	+	+	+	+	+	+	+
SW-3.		+	+		+		+	+	+	+			+				+				+		+	+	+	+
SW-4.											+	+	+								+		+	+	+	+
SW-5.																	+		+	+	+		+	+	+	+
SW-6.				+													+			+	+		+	+		+
SW-7.		+	+		+						+	+	+							+	+				+	+
RCS-8.							+	+	+	+									+		+		+	+	+	+
SW-9.				+									+	+	+	+	+	+	+	+	+	+	+	+		+
SW-10.					+	+	+	+	+	+			+												+	+
SW-11.													+	+	+	+	+	+	+			+			+	+
RTSMS-1.		+	+		+	+					+	+							+			+	+	+	+	1
RTSMS-2.	+	+	+	+	+								+						+	+	+		+	+	+	+
RTSMS-3.	+	+	+	+	+	+							+	+	+	+	+	+	+	+	+	+	+	+	+	+
RTSMS-4.	+			+		+	+	+	+	+										+	+		+	+	+	+
RTSMS-5.				+		+																			+	
RTSMS-6.				+									+									+	+	+	+	+

RTSMS-7.										+					+	+	+		+	+		+
RTSMS-8	+	+	+					+	+							+	+				+	
RTSMS 9								+	+	+		+	+	+	+			+	+	+	+	+
RPS-1.	+	+	+	+	+	+	+								+	+	+		+	+		+
RPS-2.	+	+	+	+	+	+	+	+	+			+					+		+	+	+	+

### III - FORMS CERTIFICATION applicants HIGHER EDUCATION

Forms certification	Mandatory state certification form set performance
candidates Higher	and protection qualification (diploma) papers
Education	(projects).
	In the state certification system submitted
	competencies and learning outcomes listed in Sections
	IV and V.
	The main means of objective control the degree of
	achievement of the ultimate goals of education and
	training are the masters and protection technology of
	qualification (diploma) papers (projects), which is
	defined in the following documents: Regulation on the
	SEC, Guidance for qualification (degree) projects
	(work ).
Requirements for	Requirements for final qualifying work outlined in
qualifying work	the Guidance for qualification (degree) project (work).
(in the presence)	Final qualifying works accompanied by a supervisor
	review and review reviewer on which rests the
	completeness tasks, work quality and its overall check
	for plagiarism.
<b>Requirements for</b>	Requirements for public protection set out in the
public protection	Regulation on the EC and Guidance for qualification
(demonstration)	(degree) project (work).
(in the presence)	

### IV - Requirements presence of internal quality assurance

Determined in accordance with European standards and guidelines on quality assurance (ESG) and Article 16 of the Law of Ukraine "On Higher Education"

The system of	Definitions, links and documents
internal quality	, and the second
assurance	
The principles and	- Law of Ukraine "On education" from 07.01.2014 g.
procedures for	Number 1556-VII;
quality assurance	<ul> <li>Temporary regulations on the organization of educational process in SHEE UDHTU (Rector UDHTU Order of 30.11.2015 number 290);</li> <li>Regulations on honors degree SHEE UDHTU (Rector UDHTU Order of 25.02.2016 number 55);</li> <li>The provisions on the establishment and organization of the examination commission SHEE UDHTU (Order of 01.04.2015, the rector. Number 68);</li> <li>The provisions of the development approval and review of work programs of disciplines (Order of Rector UDHTU 01.12.15 №291)</li> </ul>
Monitoring and	Annual monitoring requirements of industry and the
periodic review of	labor market, watching educational programs, curricula,
education programs	working programs of disciplines. On approval of the
caacation programs	project groups to develop educational programs (Rector
	UDHTU Order of 10.03.2016 number 74)
The annual	Statement On Rector quality control training (Order of
evaluation of higher	03.17.2014, the rector. №78)
education applicants	
The annual	Regulations of the Rector control
evaluation of science	pedagogical skills of teaching staff of the University
teaching and	(Order of the Rector UDHTU 04.04.2016r. №85), The
teaching staff of	application rating system performance evaluation of
higher educational	teaching staff SHEE UDHTU (Order of 04.06.2010, the
institution	rector. Number 209 amended the order dated
	09.06.2011 g. Number 147), The application rating
	system of evaluation of departments and faculties
	SHEE UDHTU (Order of 04.06.2010, the rector.
	number 209).
	Regular publication of the results of such assessments
	to the official website of the university, on notice boards
	and in any other way

Advanced training of	Advanced training of teaching staff is under provisions
scientific and	approved by Mona of 24.01.2013r. Number 48 and the
pedagogical,	Regulations on training and teaching and training of
educational and	teaching staff SHEE UDHTU (Order UDHTU Rector of
scientific workers	28.05.2016r. №105)
Having the necessary	Educational and methodical, logistical and staffing
resources to the	meets licensing requirements (Decree km from
educational process	30.12.2015r. Number 1187) educational activities.
	License series AE №636496. Certificates in the areas of
	specialties.
Availability of	Temporary regulations on the organization of
information systems	educational process in SHEE UDHTU (Rector UDHTU
for the efficient	Order of 30.11.2015 number 290) is supported by
management of the	information-analytical system of control of the
educational process	educational process, which consists of subsystems:
	Applicants educational process.
<b>Publicity of</b>	Information about educational programs, higher
information on	education degrees and qualifications is fully public and
educational	published on the official web-portal of the University
programs, higher	http://udhtu.com.ua
education degrees	
and qualifications	
<b>Prevention and</b>	Check completeness of tasks, work quality and its
detection of academic	overall check for plagiarism carried teacher - supervisor
plagiarism	course or thesis (project) in the prescribed manner using
	appropriate software.
education degrees and qualifications Prevention and detection of academic	Check completeness of tasks, work quality and its overall check for plagiarism carried teacher - supervisor course or thesis (project) in the prescribed manner using