

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE

KYIV NATIONAL UNIVERSITY
TECHNOLOGY AND DESIGN

APPROVED

Decision of the Academic Council of KNUTD

dated "30" 11 2022, protocol No. 3

Chairman of the Academic Council

Ivan HRYSHCHENKO

Entered into force by order of the rector
dated "05" 12 2022 year No.301

EDUCATIONAL AND PROFESSIONAL PROGRAM
ENVIRONMENTAL DESIGN

Level of higher education	first (bachelor's)
Higher education degree	Bachelor
Field of knowledge	B Culture, arts and humanities
Specialty	B2 Design
Educational Qualification	Bachelor of Design

Kyiv
2022

1. Environmental design educational and professional program profile

1.1 – General information	
Full name of the higher education institution and structural unit	Kyiv National University of Technologies and Design Department of Interior and Furniture Design
Level of higher education	First (bachelor's)
Educational qualification	Bachelor of Design
Qualification in diploma	Higher education degree – bachelor's degree Specialty B2 Design Educational program – Environmental design
Form of obtaining higher education	Full-time, part-time
Type of diploma and scope of educational program	Bachelor's degree, single, 240 ECTS credits.
Estimated time frame for completing the educational program	4 years
Availability of accreditation	Certificate of accreditation of the educational program No. 8455 dated 05/28/2024
Cycle/level	National Qualifications Framework of Ukraine – Level 6
Prerequisites	Completed general secondary education, professional pre-higher education or a junior bachelor's degree (junior specialist), professional junior bachelor's degree.
Language(s) of instruction	Ukrainian, English
Validity period of the certificate of accreditation of the educational program	until July 1, 2029
Internet address of permanent placement of the educational program description	http://knutd.edu.ua/ekts/
1.2 – Purpose of the educational program	
<p>Training of specialists who possess in-depth knowledge, as well as general and professional competencies in the field of environmental design, aimed at designing and shaping environmental design objects, mastering techniques and principles of integrating artistic, cultural, structural, functional and technological parameters of designing a complex three-dimensional environmental design object.</p> <p>The main objectives of the program are: training of specialists capable of solving complex specialized tasks and practical problems in the field of design, which is characterized by the complexity and uncertainty of conditions and involves the application of design theories and methods in activities related to the design of the internal and external environment.</p>	
1.3 – Educational program characteristics	
Subject area	<p>Object of study and activity: objects and processes of design in the industrial, household, social, socio-cultural spheres of human life.</p> <p>Learning objectives: formation of specialists capable of solving complex specialized tasks and practical problems in the field of design, which is characterized by the complexity and uncertainty of conditions and involves the application of certain theories and methods of design.</p> <p>Theoretical content of the subject area: notions, concepts, principles of design and their use to ensure the specified properties and aesthetic characteristics of design objects (by specialization).</p> <p>Methods, techniques and technologies: methods of designing and manufacturing single, complex, multifunctional design objects; technologies of working with relevant special materials (by specialization).</p>

	<p>Tools and equipment: modern software products, technological equipment used in the field of design (by specialization).</p> <p>The program is focused on developing competencies in students to acquire in-depth knowledge, skills, and abilities in the specialty.</p> <p>Mandatory educational components – 75%, of which: practical training – 13%, foreign language study – 13%, preparation and defense of qualification work – 7%. Disciplines of free choice of the student – 25% are selected from the general university catalog in accordance with the approved procedure at the University.</p>
Orientation of the educational program	Educational and professional training of a bachelor of applied orientation.
The main focus of the educational program	<p>The emphasis is on the formation and development of professional competencies in the field of environmental design; in the study of theoretical and methodological provisions, organizational and practical tools for complex (informational, analytical, cultural, aesthetic, functional-typological, technological, presentational) solutions to design tasks.</p> <p>Keywords: design, environmental design, interior design, landscape design, furniture design, art, creativity, composition.</p>
Features of the educational program	The program is applied, aimed at the development of modern trends in environmental design; focuses on modern scientific research in the field of environmental design; develops skills in designing both complex and individual environmental design objects; provides for in-depth mastery of modern digital design technologies.
1.4 – Graduate employability and further education	
Employment eligibility	<p>The graduate is suitable for employment at enterprises, organizations and institutions operating in the field of environmental design, in particular in design and architectural bureaus, companies, enterprises working in the field of architecture, interior design, urban and landscape design, furniture design, and to carry out individual entrepreneurial activities in the above areas.</p> <p>A designer with a bachelor's degree can hold the following primary positions: computer graphics (design) specialist, executive designer, interior and furniture designer, furniture designer, landscape designer.</p>
Academic rights of graduates	The possibility of studying in an educational and scientific and/or educational and professional program of the second (master's) level of higher education.
1.5 – Teaching and Assessment	
Teaching and learning	<p>Student-centered and problem-oriented learning, learning through educational, industrial, pre-diploma practice and self-study are used. When teaching thematic material of the relevant disciplines, a general theoretical methodology in the field of art history is used: historical, terminological, functional, systemic, process, cognitive approaches, as well as generalization, modeling, etc.</p> <p>Forms of organizing the educational process: lecture, practical, laboratory classes, practical training, independent work, consultation.</p>
Evaluation	Testing, survey-discussion, oral presentation, report on the development of complex design projects, practice report, written essay, portfolio, test, defense of course (project) works, oral and written exam, test.

1. 6 – Program Competencies		
Integral competence (IC)	The ability to solve complex specialized tasks and practical problems in the field of design, or in the process of learning, which involves the application of certain theories and methods of design and is characterized by the complexity and uncertainty of the conditions.	
General competencies (GC)	GC 1	Knowledge and understanding of the subject area and understanding of professional activity.
	GC 2	Ability to communicate in the state language both orally and in writing.
	GC 3	Ability to communicate in a foreign language.
	GC 4	Ability to search, process and analyze information from various sources.
	GC 5	Ability to work in a team.
	GC 6	Ability to evaluate and ensure the quality of work performed.
	GC 7	Appreciation and respect for diversity and multiculturalism.
	GC 8	The ability to exercise one's rights and responsibilities as a member of society, to realize the values of a civil (free democratic) society and the need for its sustainable development, the rule of law, and the rights and freedoms of human and citizen in Ukraine.
	GC 9	The ability to preserve and multiply cultural and artistic, ecological, moral, scientific values and achievements of society based on understanding the history and patterns of development of the subject area, its place in the general system of knowledge about nature and society and in the development of society, technology and engineering, to use various types and forms of physical activity for active recreation and leading a healthy lifestyle.
	GC 10	The ability to make decisions and act in accordance with the principle of non-acceptance of corruption and any other manifestations of dishonesty.
	GC 11	Ability to defend the Motherland
Professional competencies (PC)	PC 1	Ability to apply design techniques for single, complex, multifunctional environmental design objects.
	PC 2	The ability to shape, model, and simulate environmental design objects.
	PC 3	The ability to carry out compositional construction of environmental design objects.
	PC 4	The ability to apply design graphics skills in professional activities.
	PC 5	The ability to apply knowledge of the history of Ukrainian and foreign art and design in artistic and design activities.
	PC 6	The ability to apply special techniques and technologies of working with relevant materials in design and artistic activities.
	PC 7	The ability to use modern software to create environmental design objects.
	PC 8	The ability to implement a color solution for a future design object.
	PC 9	The ability to depict environmental objects and human figures using plastic anatomy, special drawing, and painting.
	PC 10	The ability to apply knowledge of applied sciences in professional activities.
	PC 11	The ability to succeed in a professional career, develop and present visual presentations, a portfolio of own works, and possess entrepreneurial skills for conducting design activities.
	PC 12	<i>The ability to identify, consider, and satisfy the needs and requirements of users of a future design object.</i>

1.7 – Program learning outcomes	
PLO 1	Apply acquired knowledge and understanding of the subject area and professional field in practical situations.
PLO 2	Communicate freely in the state and foreign languages orally and in writing on professional issues, form various types of professional documents in accordance with the requirements of oral and written communication culture.
PLO 3	Collect and analyze information to substantiate a design project, apply design theory and methodology, professional terminology (according to professional direction), and the basics of scientific research.
PLO 4	Define the goal, objectives, and stages of design.
PLO 5	Understand and conscientiously perform one's part of the team's work; determine the priorities of professional activities.
PLO 6	Be aware of responsibility for the quality of work performed, ensure that the task is completed at a high professional level.
PLO 7	Analyze, stylize, interpret, and transform objects to develop artistic and design solutions.
PLO 8	Evaluate the design object, technological processes in the context of the project task, and form an artistic and design concept.
PLO 9	Create design objects using design and graphic modeling tools.
PLO 10	Determine the functional and aesthetic specificity of form-shaping design tools in the communicative space.
PLO 11	Develop a compositional solution for design objects using appropriate techniques and materials.
PLO 12	Adhere to design standards and manufacturing technologies for design objects in professional activities.
PLO 13	Know the achievements of national and world cultural and artistic heritage, to develop eco-culture through design.
PLO 14	Use in professional activities manifestations of Ukrainian mentality, historical memory, national self-identification and creative self-expression; to apply historical creative experience, as well as successful Ukrainian and foreign artistic practices.
PLO 15	Understand Ukrainian ethnocultural traditions in the style solutions of design objects, to take into account the regional features of ethnodesign in artistic practices.
PLO 16	Take into account the properties of materials and structural structures, apply the latest technologies in professional activities.
PLO 17	Apply modern general and specialized software in professional activities.
PLO 18	Reflect the morphological, stylistic, and color-textural properties of design objects.
PLO 19	Develop and present work results in a professional environment, understand the stages of achieving success in a professional career, take into account current labor market trends, conduct market research, choose an appropriate business model, and develop a business plan for professional activities in the field of design.
PLO 20	<i>Identify the needs and requirements of future users and other stakeholders of the design project.</i>
PLO 21	<i>Understand and develop modern trends in the design of environmental objects.</i>
PLO 22	<i>Analyze the project situation for the repair, reconstruction, and renovation of environmental design objects.</i>
PLO 23	<i>Know the basics of typology, perform typological calculation and functional zoning of environmental design objects</i>
PLO 24	<i>The ability to apply knowledge, skills and abilities to master the basics of the defense of Ukraine, military affairs, civil protection of the population, home medical care, and psychological training of citizens</i>
1.8 – Resource provision for program implementation	
Human resources	All scientific and pedagogical workers providing the educational program by qualification correspond to the profile and direction of the educational components taught; have the necessary teaching experience and practical work

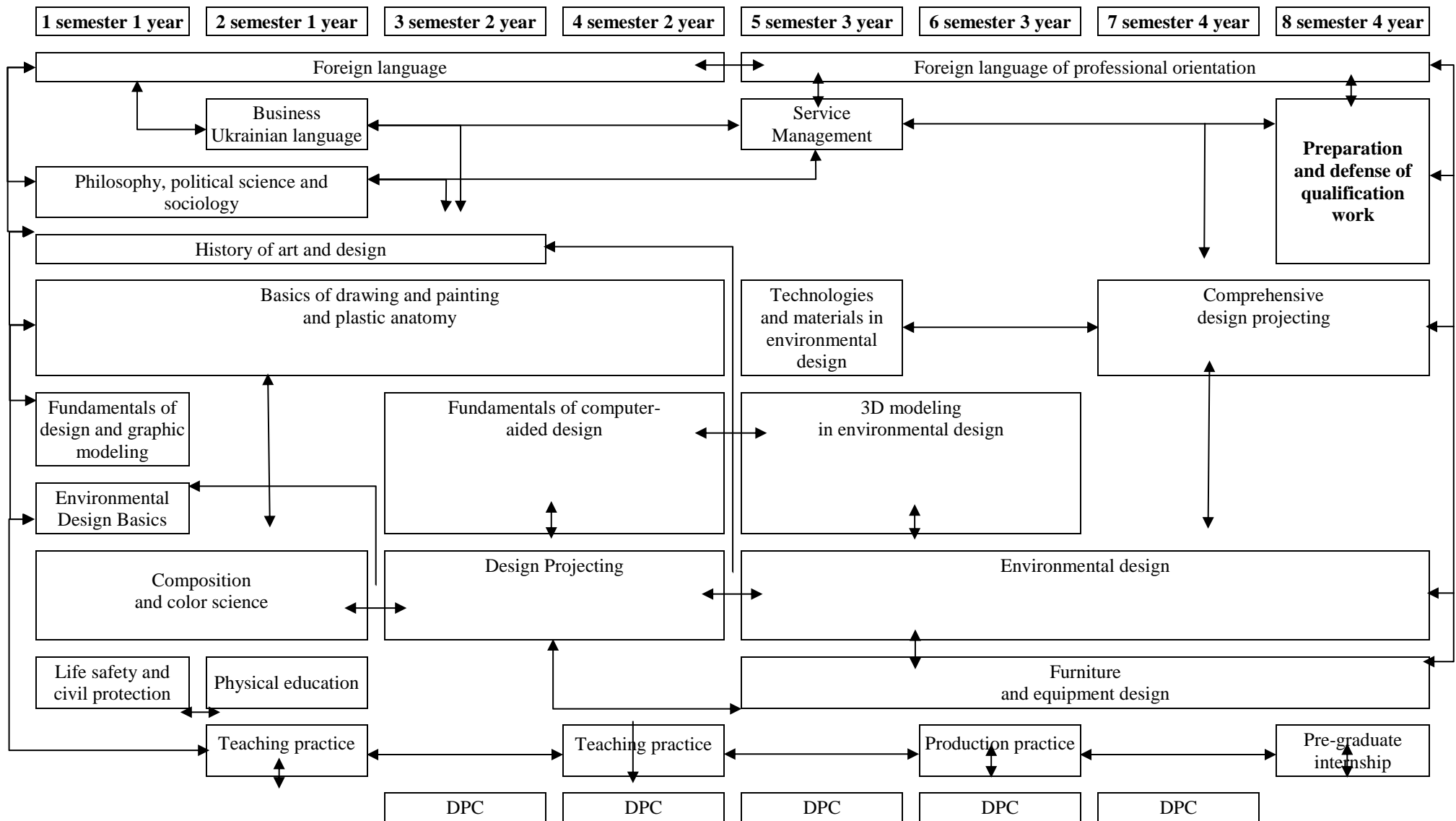
	experience. In the process of organizing training, professionals with experience in managerial / innovative / creative work and / or work in the specialty are involved.
Logistics and technical support	Material and technical support allows us to fully ensure the educational process throughout the entire training cycle according to the educational program. The condition of the premises is certified by sanitary and technical passports that comply with current regulations.
Information and educational and methodological support	The program is fully equipped with an educational and methodological complex of all components of the educational program, the availability of which is presented in the modular environment of the University's educational process.
1.9 – Academic mobility	
National credit mobility	Provides for the possibility of academic mobility in some components of the educational program, which ensure the acquisition of general and/or professional competencies.
International credit mobility	The program develops prospects for participation and internships in research projects and academic mobility programs abroad, in particular in Latvia, Moldova, and Poland.
Education of foreign higher education applicants	Education of foreign higher education applicants is carried out according to accredited educational programs.

2. List of components of the educational and professional program and their logical sequence

2.1 List of components of the educational and professional program of the first (bachelor's) level of higher education

Code	Components of the educational program (courses, coursework (projects), internships, qualification work)	Number of credits	Final control form
1	2	3	4
Required components of the educational program			
EC 1	Life safety and civil protection	2	exam
EC 2	Environmental Design Basics	3	test
EC 3	Fundamentals of design and graphic modeling	4	test
EC 4	Composition and color science	12	exam
EC 5	Philosophy, political science and sociology	4	exam
EC 6	History of art and design	15	test
EC 7	Foreign language (English, German, French)	9	exam
EC 8	Fundamentals of drawing, painting and plastic anatomy	13	exam
EC 9	Business Ukrainian language	2	test
EC 10	Physical education	2	test
EC 11	Design projecting	8	exam
EC 12	Fundamentals of computer-aided design	7	exam
EC 13	Service Management	3	test
EC 14	Technologies and materials in environmental design	3	exam
EC 15	3D modeling in environmental design	6	exam
EC 16	Environmental design	16	exam
EC 17	Foreign language of professional orientation (English, German, French)	8	exam
EC 18	Furniture and equipment design	16	test
EC 19	Comprehensive design projecting	7	exam
	Coursework	1	protection
EC 20	Teaching practice	12	test
EC 21	Production practice	6	test
EC 22	Pre-graduate internship	6	test
EC 23	Preparation and defense of qualification work	12	protection
EC 24	Theoretical training of basic combined arms training	3	exam
Total volume of mandatory components		180	
Elective components of the educational program			
DFCh	Disciplines of free choice of a higher education applicant	60	test
Total volume of sample components		60	
TOTAL SCOPE OF THE EDUCATIONAL PROGRAM		240	

2.2 Structural and logical scheme of preparation for the bachelor's degree in the educational and professional program Environmental Design in the specialty B2 Design



3. Certification form for higher education applicants

Forms of certification of higher education applicants	Certification of a graduate of an educational program is carried out in the form of a public defense of a qualifying bachelor's work.
Requirements for qualifying work	<p>Bachelor's qualification work involves solving a complex specialized task or practical problem in the field of design, characterized by complexity and uncertainty of conditions, with the use of certain design theories and methods. Bachelor's qualification work contains a theoretical and graphic part. The theoretical part certifies the level of knowledge of the theory, methods, regulatory requirements in the field of environmental design. The graphic part is a project proposal for solving a specific task in the field of environmental design, and contains a set of design and presentation documentation that meets established practices in the industry.</p> <p>The qualification work must not contain academic plagiarism, fabrication, or falsification. The qualification work must be posted in the KNUTD repository.</p>

4. Matrix of correspondence of program competencies to components of the educational and professional program

	IC	GC 1	GC 2	GC 3	GC 4	GC 5	GC 6	GC 7	GC 8	GC 9	GC 10	PC 1	PC 2	PC 3	PC 4	PC 5	PC 6	PC 7	PC 8	PC 9	PC 10	PC 11	PC 12
EC 1	*									*													
EC 2	*	*											*		*								
EC 3	*												*		*						*		
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EC 13	*					*					*											*	
EC 14	*																*				*		
EC 15	*												*		*			*				*	
EC 16	*	*				*	*					*	*									*	*
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EC 18	*	*				*	*					*	*										*
EC 19	*	*			*	*	*														*	*	*
EC 20	*	*								*									*				*
EC 21	*	*										*					*				*	*	
EC 22	*	*										*					*				*	*	
EC 23	*	*	*		*		*	*		*		*	*	*	*	*	*	*	*	*	*	*	*
	IC	GC 1	GC 2	GC 3	GC 4	GC 5	GC 6	GC 7	GC 8	GC 9	GC 10	PC 1	PC 2	PC 3	PC 4	PC 5	PC 6	PC 7	PC 8	PC 9	PC 10	PC 11	PC 12

5. Matrix of ensuring program learning outcomes by appropriate components of educational and professional programs

	PLO 1	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
EC 1	*																						
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EC 3									*														
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EC 18	*	*	*				*	*	*									*					
EC 19	*	*	*		*	*	*		*	*				*		*		*	*	*	*	*	*
EC 20	*								*				*	*			*	*	*				
EC 21	*				*	*			*									*					
EC 22	*		*											*						*		*	
EC 23	*	*	*	*		*	*	*	*		*	*		*		*	*	*	*	*	*	*	*
	PLO 1	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

