

## Profile of the educational program

<b>General information</b>	
<b>The official name of the educational program</b>	Architecture of buildings and Constructions
<b>Specialty</b>	191 Architecture and town planning
<b>Branch of knowledge</b>	19 Architecture and Construction
<b>Higher education degree and title in the original language</b>	Master's Degree in Architecture
<b>Type of diploma and scope of the educational program</b>	Master's Degree, single, 90 ECTS credits, study period 1 year 4 months
<b>Accreditation availability</b>	- Ministry of Education and Science of Ukraine;  - Certificate of Accreditation: UD Series, No. 21002747;  - valid until July 1, 2023
<b>Cycle / level</b>	Second (Master's) level NQF of Ukraine - level 8, EQF-LLL - 7, FQ-EHEA - second cycle
<b>Entry level education requirements</b>	Bachelor's degree
<b>Language (s) of teaching</b>	Ukrainian, English
<b>Duration of the educational program</b>	5 years
<b>The purpose of the educational program</b>	
	Acquiring theoretical knowledge, skills, and other competences, solving complex problems in the field of architecture and construction. Formation of a creative personality and training of a specialist, capable of presenting and visualizing creative solutions of typical, original and perspective problems and problems of complex character in the field of architecture of buildings and structures with the development of appropriate design documentation.
<b>Characteristics of the educational program</b>	
<b>Subject area</b>	objects of study - objects of architecture, design and construction, modern methods and technologies of architectural design; - the goals of the training - training specialists who have modern scientific and creative architectural and design thinking, theoretical knowledge and practical skills necessary to solve the tasks of the subject area of activity; - methods - general scientific methods of cognition, graphic modeling, information and communication technologies, methods of research activity and presentation of results; - modern information and communication equipment - information systems and software products used in architectural activity.
<b>Orientation of the educational program</b>	Educational and Professional
<b>The main focus of the educational program and specialization</b>	General education in the field of Architecture and Urban Planning, majoring in Architecture of Buildings and Structures. Keywords: architecture, buildings, structures
<b>Features of the program</b>	The educational program is coordinated with the University "Lublin Polytechnic" (Poland), the "Harmonized timetable of the educational

	process, the list of disciplines that are recognized as equivalent and from which the results of studies are acknowledged" at the educational level "Master" in the specialty 191 "Architecture and Urban Planning" O.M. Beketov National University of Urban Economy in Kharkiv) and specialty "ARCHITEKTURA" (Lublin Polytechnic) ", 2017.
<b>Suitability of graduates to employment and further education</b>	
<b>Suitability for employment</b>	Occupations, professional titles of works (according to the current version of the National Classifier of Ukraine: Classifier of Professions (DK 003: 2010): <ul style="list-style-type: none"> <li>- Architect (20196);</li> <li>- Architect for the Restoration of Monuments of Architecture and Urban Planning (2141.2);</li> <li>- Designer Engineer (City Planning) (2141.2)</li> <li>- Architects and city planners (2141.2)</li> <li>- Chief Architect (20638)</li> <li>- Chief specialist architect (1229.3)</li> <li>- Chief Architect of the Project (20641)</li> </ul>
<b>Further training</b>	Doctor in Philosophy
<b>Teaching and assessment</b>	
<b>Teaching and learning</b>	Student-centered learning, problem-oriented learning, self-study, internship and undergraduate practice, research-based learning. Teaching is in the form of lectures, multimedia lectures, practical classes. Independent work with the possibility of consultation with the teacher is also provided.
<b>Evaluation</b>	The educational program provides intermediate assessment of knowledge during the study of the discipline and final oral and written tests and exams, protection of practice reports, protection of course work, public defense of the Master's thesis.
<b>Program learning outcomes</b>	
<b>Program learning outcomes defined by the standard (LO)</b>	<p>LO1. Solving complex problems and problems that require updating and integration of knowledge, often in the face of incomplete / insufficient information and conflicting requirements.</p> <p>LO2. Conducting research and / or innovation activities.</p> <p>LO3. Know the principles and sections of the national regulatory framework, relevant technical and economic standards and procedures, including the organization of investment and design processes, the ability to implement design concepts in buildings and to integrate them into the general planning rules in the domestic and European Union.</p> <p>LO4. Critically evaluate the socio-economic, environmental, ethical and aesthetic implications of failing to meet national standards in architecture and design.</p> <p>LO 5. Formulate and critically reflect principles and rules of architectural and urban planning activity.</p> <p>LO 6. Ability to demonstrate proficiency in traditional and modern innovative research methods.</p> <p>LO 7. Use modern methods of search and systematization of information, compilation of bibliography from various sources for making informed design-prognostic architectural and design decisions with the use of software, IT technologies and Internet resources.</p> <p>LO 8. Conduct an analysis and evaluation of compliance with safety, hygiene, engineering, technical and economic and regulatory requirements and indicators in architectural and urban planning and forecasting.</p>

	<p>LO9. Apply the theories of architecture and design, fine arts, technical and humanities, design and forecasting, reconstruction and restoration of architectural and urban planning, architectural and landscape objects with the use of innovative approaches, international and domestic experience.</p> <p>LO10. Knowledge of physical essence of properties of modern building and finishing materials, basic types, characteristics of materials, possibilities of modern technology of their production; Ability to evaluate the ability to rationally use materials for specific sites, taking into account operational, technical, economic and environmental requirements.</p> <p>LO 11. Ability to use the methodology of construction of buildings and structures and to develop architectural and design and town-planning projects in accordance with functional, aesthetic, structural-technical, economic and other requirements, standards and legislation.</p> <p>LO 12. Organize the results of the pre-project analysis of the architectural and design sites and sites designated for reconstruction or restoration.</p> <p>LO13. Apply modern theoretical and methodological and typological approaches to solving problems of formation and development of architectural and landscape environment, energy efficient and other innovative technologies in the design of architectural objects.</p> <p>LO14. Ability to apply the knowledge and use the results of creative communication in the development of related and related disciplines in the development of complex architectural and urban planning projects, to act innovatively and technically competent in the use of construction technologies, materials, structures, systems of life support and information computer facilities.</p> <p>LO15. Use modern design and engineering, artistic and computer graphics tools used in modern architectural design.</p> <p>LO16. Be able to calculate the basic architectural and planning and technical and economic indicators in the projects of civilian buildings and structures; to develop technical documentation and drawings for architectural projects of residential, public and industrial buildings and structures; be able to develop all sections of the explanatory note to the architectural designs of civilian buildings and structures.</p> <p>LO17. Combine the skills of teamwork and teamwork and coordinate work in interdisciplinary design groups, urban design studios.</p> <p>LO18. Increase the professional level through participation in architectural and design competitive design, in scientific and technical conferences.</p>
<p><b>Program learning outcomes defined by the higher educational establishment (LOHEI)</b></p>	<p>LOHEI 19. Be able to: develop complex projects of reconstruction and restoration of architectural objects of different types and interiors; abide by the basic laws of color and the features of the use of decorative and decorative materials for the design of reconstruction projects, restoration of architectural objects and their interiors.</p> <p>LOHEI 20. Be able to survey complexes, analyze survey data, draw conclusions about the possibility of modernization or renovation, develop modernization and renovation projects; Be able to carry out eco-monitoring and provide environmental impact assessment, use methods of architectural and ecological rehabilitation.</p> <p>The ability to solve the complex problems of combining different functions in a building, to use modern methods of designing multifunctional complexes and their placement in the structure of urban</p>

	<p>spaces of different levels, using effective methods of functional, spatial and compositional organization.</p> <p>LOHEI 22. Know: stages, requirements, current trends, materials and technologies in interior design, basics of computer-aided design; To develop concepts of modern interior spaces; perform all the steps of interior design on your computer; to design the project in accordance with state standards; to build in volume the interior of the room; apply modern materials and technologies in the project.</p> <p>LOHEI 23. Use progressive methods of construction of buildings and structures; identify current issues, take into account current approaches and innovative technologies, trends in the design and construction of buildings and structures.</p> <p>LOHEI 24. Be able to put into practice the theoretical and methodological foundations of engineering planning for light-colored objects.</p> <p>LOHEI 25. Be able to identify and creatively develop architectural and building forms of housing; to model the object with regard to its interaction with the environment; to use theoretical positions and categories of architectural composition when forming a residential building; prepare proposals for the organization of exterior spaces of residential buildings; to choose rational methods of construction of architectural and spatial solutions of residential buildings; to decide the layout and structure and to choose the optimal design that meets the functional requirements of a residential building.</p> <p>LOHEI 26. To know regional features of formation of objects of architecture and art; be able to determine the main characteristics of spatial organization and development of Slobozhanshchina architecture; to know the world realities of regional development policy in the field of architecture</p> <p>LOHEI 27. Be able to solve complex problems of designing a public building in a historically formed urban environment; effectively use and improve the surrounding areas; to choose rational methods of restoration of functions and new functional purpose of old buildings and structures.</p>
<b>Resources for program implementation</b>	
<b>Staff</b>	<p>The main staff of the teachers of the educational program consists of scientific and pedagogical staff of the departments of O.M. Beketov National University of Urban Economy in Kharkiv.</p> <p>The lecturers who teach within the program are active and recognized scholars who publish works in domestic and foreign scientific publishers, have relevant professional competence and experience in teaching, research and pedagogical activity.</p> <p>Researchers have a sufficient degree of advanced methods of teaching and controlling students' knowledge, use multimedia equipment and introduce dual training.</p> <p>Practically oriented nature of the educational program involves the participation of practitioners who are relevant to the program direction. The head of the project team and the scientific and pedagogical staff, who ensure its implementation, meets the requirements set out in the Licensing Conditions for conducting educational activities for educational institutions.</p>
<b>Technical support</b>	<p>The educational process of the educational program takes place in classrooms equipped with audiovisual and multimedia equipment and the necessary technical facilities.</p> <p>The specialized computer laboratories of the department and the university as a whole have the modern equipment and software necessary</p>

	for the implementation of the curriculum, the ability to access the Internet.
<b>Information and training support</b>	<p>An important part of the information support of the educational process is the modern library. The compilation of Educational Literature in the University Library and Reading Rooms meets the requirements of Master's Degree Students in the educational and professional program "Architecture of buildings and structures" specialty 191 Architecture and urban planning in the field of knowledge 19 Construction and Architecture. Automated workplaces and wi-fi coverage are available free of charge in all library facilities throughout the library.</p> <p>The digital repository of the university plays a significant role in providing information for the educational work of students and teachers in the disciplines of the curriculum. Repository site <a href="http://eprints.kname.edu.ua">http://eprints.kname.edu.ua</a>. The digital repository contains textbooks, tutorials, lecture notes, guidelines, electronic resources, monographs, abstracts, articles, scientific and technical publications of the University.</p> <p>The educational process is provided with educational and methodological complexes of disciplines, which contain methodical development for lectures and practical classes, methodical instructions for independent work of students, methodical materials for writing of course and diploma papers, passing of practices, tasks for knowledge control (exam tickets, test tasks, test tasks , complex control works). Teachers also prepare and provide the publication of author's textbooks, teaching aids and monographs.</p>
<b>Academic mobility</b>	
<b>National Credit Mobility</b>	According to the Regulations on academic mobility of students, graduate students, doctoral students, research and teaching and research staff of O.M. Beketov NUUE in Kharkiv
<b>International credit mobility</b>	<p>The following educational institutions are partners of the department:</p> <ol style="list-style-type: none"> <li>1. University of Lublin Polytechnic (Poland)</li> </ol> <p>Cooperation Agreement between Lublin Polytechnic and O.M. Beketov National University of Urban Economy in Kharkiv signed on 04.01.2016</p>
<b>Training of foreign higher education applicants</b>	According to the Rules of admission to O.M. Beketov NUUE in Kharkiv