

Profile of the educational program

General information	
The official name of the educational program	Architecture of buildings and structures
Specialty	191 Architecture and urban planning
Branch of knowledge	19 Architecture and construction
Degree of higher education and title of qualification in the original language	Master of Architecture and Urban Planning
Type of diploma and scope of educational program	Master's degree, single, 120 ECTS credits, term of study 1 year 9 months
Availability of accreditation	Not accredited
Cycle / level	The second (master's) level National Qualifications Framework of Ukraine - level 7, <i>EQF-LLL - 7, FQ-EHEA - second cycle</i>
Requirements for the level of education of the entrant	the presence of a bachelor's degree
Language (s) of teaching	Ukrainian
Term of the educational program	5 years
The purpose of the educational program	
	The aim of the program is to train highly qualified specialists capable of working in the field of architecture and urban planning. Trained professionals must also be able to design urban architectural objects using innovative technologies. They must be able to apply theoretical knowledge of architecture, urban planning, reconstruction, restoration to solve complex specialized problems (these problems are characterized by uncertainty of conditions and requirements). The purpose of the program is also to conduct research and (or) innovation in the field of professional architectural activities. The program is designed in accordance with the mission and strategy of the university. This strategy is to train highly qualified specialists for regional development and urban management.
Characteristics of the educational program	
Subject area	Objects of study - objects of architecture, design and construction, modern methods and technologies of architectural design; - learning objectives - to train professionals who have modern scientific and creative architectural and design thinking, theoretical knowledge and practical skills needed to solve problems of the subject area; - methods - general scientific methods of cognition, graphic modeling, information and communication technologies, methods of research and presentation of results; - modern information and communication equipment - information systems and software products used in architectural activities.
Orientation of the educational program	Educational and scientific

The main focus of the educational program and specialization	General education in the field of architecture and construction in the specialty "191 Architecture and Urban Planning". <i>Key words:</i> architecture of buildings and constructions, architecture, town-planning, regulation of city-building activity, globalization processes, sustainable development of cities, architectural theories, newest mineral finishing materials, constructive systems, multifunctional architecture, parametricism, polyfunctionality, residential architecture, reconstruction, restoration innovations in architecture.
Features of the program	Opportunity to exchange groups of students as part of educational practices; conducting internships for applicants; joint activities in the field of scientific, construction and architectural projects. (Agreement №105 dated November 21, 2018 between O. M. Beketov National University of Urban Economy in Kharkiv and Varna Free University «Chernorizets Hrabar», Varna, Bulgaria)
Suitability of graduates for employment and further study	
Suitability for employment	Graduates can work in international and domestic design organizations (as architects, researchers, teachers of architectural disciplines, etc.), public authorities and management (Departments of Architecture and Urban Planning); develop projects of various architectural objects and architectural environment design. Professional opportunities of graduates (according to the Classifier of professions «State Classifier 003:2010»): 1229.1 Chief Architect (public authorities) 1229.3 Chief specialist-architect 1237.1 Chief Architect (architecture and construction) Chief architect of the project 2141.1 Researcher (architecture, urban planning) 2141.2 Architects and city planners
Further studies	Obtaining the PhD degree
Teaching and assessment	
Teaching and learning	Student-centered learning, problem-oriented learning, self-study, internship and undergraduate practice, research-based learning. Teaching is carried out in the form of lectures, practical classes. Independent work of students is accompanied by regular consultations with teachers.
Assessment	The educational program provides for intermediate assessment during the study of disciplines and final assessment in the form of tests and exams. The program also provides for the defense of reports on practice and internships, defense of term papers, public defense of master's theses.
Program learning outcomes	
Program learning outcomes	<i>Learning Outcome 1.</i> Analyze and solve complex problems and issues that require updating and integration of knowledge, often in conditions of incomplete or insufficient information and conflicting requirements. <i>Learning Outcome 2.</i> Conduct research and (or) innovation activities. <i>Learning Outcome 3.</i> You need to know the principles and sections of the state regulatory framework. You also need to know the principles of relevant technical and economic standards and procedures. These procedures include the organization of investment and design processes, the ability to implement design concepts in buildings and integrate them into general planning standards. You need to know the rules that apply both in the country and in the European Union. <i>Learning Outcome 4.</i> Students should critically assess the socio-economic, environmental, ethical and aesthetic consequences of violations of state building codes in the field of architecture and design. <i>Learning Outcome 5.</i> It is necessary to formulate and critically

comprehend the principles and rules of architectural and urban planning.

Learning Outcome 6. You need to know traditional and modern innovative research methods.

Learning Outcome 7. Students should be able to use modern methods of finding and organizing information. Students also need to use methods of compiling a bibliography from a variety of sources. This skill is needed to make informed decisions in the field of project forecasting, architecture and design. Software tools must be used in this process.

Learning Outcome 8. You need to be able to analyze and assess whether safety requirements are met. It is also necessary to comply with sanitary and hygienic, engineering and technical and economic regulations and indicators. These skills are needed in architectural and urban planning and forecasting.

Learning Outcome 9. Students should be able to apply innovative approaches using international and domestic experience. These approaches should be applied based on theories of architecture and urban planning.

Learning Outcome 10. It is necessary to be able to determine the physical essence of the properties of modern building and finishing materials. It is also necessary to be able to determine the main types, characteristics of materials. Students must know the capabilities of modern technology for the production of these materials.

Learning Outcome 11. Students should be able to use methods of constructing buildings and structures and develop architectural and urban projects. These techniques should be used in accordance with functional and aesthetic requirements. It is also necessary to take into account economic, structural, technical and other requirements and standards. This technique must be used in accordance with the law.

Learning Outcome 12. You need to be able to organize the results of pre-project analysis of architectural objects and areas. These objects and territories are intended for reconstruction or restoration.

Learning Outcome 13. Students must be able to apply modern theoretical, methodological and typological approaches, solving problems of formation and development of the architectural environment. You also need to be able to use energy efficient and other innovative technologies in the design of architectural objects.

Learning Outcome 14. It is necessary to learn to act innovatively and technically competently at development of complex architectural and town-planning projects

Learning Outcome 15. You need to be able to apply modern tools and methods of engineering, art and computer graphics. These are the tools and methods used in modern architectural design.

Learning Outcome 16. You need to be able to develop technical documentation and drawings. Students must also be able to develop basic architectural, planning, technical, and economic indicators in the design of buildings and structures.

Learning Outcome 17. You need to be able to coordinate work in interdisciplinary creative groups.

Learning Outcome 18. You need to be able to manage personal professional development.

<p>Program learning outcomes determined by the institution of higher education for the disciplines of choice</p>	<p><i>Learning outcome (choice) 19.</i> Students should be able to develop comprehensive projects for the reconstruction and restoration of architectural objects of different types and interiors.</p> <p><i>Learning outcome (choice) 20.</i> You need to be able to develop projects for modernization and renovation of architectural complexes. In addition, it is necessary to be able to assess the impact on the environment and use the techniques of architectural and ecological rehabilitation.</p> <p><i>Learning Outcome (choice) 21.</i> Students should be able to solve complex problems, such as a combination of different functions in the building and the location of buildings in the structure of urban spaces of different levels.</p> <p><i>Learning Outcome (choice) 22.</i> You need to be able to develop concepts of modern interior spaces.</p> <p><i>Learning Outcome (choice) 23.</i> You need to be able to use advanced methods and innovative technologies in the design of buildings and structures.</p> <p><i>Learning Outcome (choice) 24.</i> Students should be able to model an object and take into account its interaction with the environment. At the same time, it is necessary to be able to use theoretical provisions and categories of architectural composition in the formation of a residential building.</p> <p><i>Learning Outcome (choice) 25.</i> It is necessary to be able to identify regional features of the formation of objects of architecture and art.</p> <p><i>Learning Outcome (choice) 26.</i> Students should be able to design public buildings and structures in a historically formed urban environment.</p>
<p>Resource support for program implementation</p>	
<p>Staffing</p>	<p>Qualified scientific and pedagogical staff of the department provides a high level of professional training of masters. The department includes doctors and candidates of sciences, professors, associate professors and docents. Teachers have certificates of proficiency in a foreign language at the B-2 level; they also underwent international internships. All teachers of the department have strong practical experience in the field of architecture and urban planning.</p>
<p>Logistics</p>	<p>The educational process is fully provided with classrooms, administrative and support facilities. The specialized computer laboratories of the department have modern equipment and software (Autodesk software packages with integrated software tools and Graphisoft) with access to the Internet. Classrooms with multimedia equipment are used for lectures.</p>
<p>Information support and educational and methodical support</p>	<p>All educational components of the educational program "Architecture of buildings and structures" are provided with the following educational and methodical materials: textbooks; lecture notes; Guidelines; individual tasks; collections of situational tasks (cases); examples of solving typical tasks or performing typical tasks; computer presentations; illustrative materials; resource directories, etc. Students have free access to scientometric databases and electronic versions of professional scientific publications.</p> <p>All teaching materials are available for students in the reading rooms of the scientific library (http://library.kname.edu.ua/index.php/uk/). This is, in particular, the information service hall, equipped with computers with access to the Internet and the local network of the University. In addition, these materials are available in the digital repository (http://eprints.kname.edu.ua), as well as on the portal of the Center for Distance Learning (http://cdo.kname.edu.ua/), as well as on the website of the Department of «Architecture of buildings and structures and</p>

	architectural environment design» (https://abs.kname.edu.ua/).
Academic mobility	
National credit mobility	According to the Regulations on academic mobility of students, graduate students, doctoral students, scientific-pedagogical and research staff of O.M. Beketov National University of Urban Economy in Kharkiv
International credit mobility	Agreement №105 dated 21.11.2018 between O.M. Beketov National University of Urban Economy in Kharkiv and Varna Free University «Chernorizets Hrabar», Varna, Bulgaria
Training of foreign applicants for higher education	According to the Rules of admission to the O.M. Beketov National University of Urban Economy in Kharkiv