

Ministry of Education and Science of Ukraine
PRIVATE ESTABLISHMENT “KHARKIV SCHOOL OF ARCHITECTURE”

Educational and Professional Programme
“Architecture and Urbanism”

Second (Master’s) Level of Higher Education

Specialty: G17 Architecture and Urban Planning

Field of Knowledge: G Engineering, Manufacturing and Construction

Qualification: Master of Architecture and Urban Planning

APPROVED
by the decision of the Academic Council
Minutes No. 4 dated 05 June 2025

The Programme is effective from 01 September 2025

Lviv 2025

PREAMBLE

The Educational and Scientific Programme “Architecture and Urbanism” (hereinafter – the Programme) has been developed in accordance with the Law of Ukraine No. 1556-VII “On Higher Education” dated 01 July 2014 (as amended), the resolutions of the Cabinet of Ministers of Ukraine No. 1341 dated 23 November 2011 “On Approval of the National Qualifications Framework”, and No. 1187 dated 30 December 2015 “On Approval of the Licensing Conditions for Educational Activities of Educational Institutions” (as amended), the Higher Education Standard for specialty 191 “Architecture and Urban Planning” within the field of knowledge 19 “Architecture and Construction” for the second (Master’s) level of higher education, approved by Order of the Ministry of Education and Science of Ukraine No. 418 dated 09 May 2022, as well as the internal regulatory documents of the Private Institution “Kharkiv School of Architecture Institute” (hereinafter – the Institute).

Developers of the Educational and Scientific Program “Architecture and Urbanism” (hereinafter – ESP):

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| Ryan Lock | - PhD in Architecture, Senior Lecturer of the Department of Architecture and Urbanism, Guarantor of the ESP; |
| Valerii Huk | - PhD in Architecture, Professor, Professor of the Department of Architecture and Urbanism; |
| Olha Kryvoruchko | - Candidate of Architecture, Associate Professor, Head of the Department of Architecture and Urbanism. |

Stakeholders involved in the development of the ESP:

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| Robert Mull | - Adjunct Professor of Architecture at the University of Limerick; teaches at Umeå University, Sweden; previously taught at the School of Architecture and Design at the University of Brighton, and also served as Dean of the School of Architecture, Design and Arts at London Metropolitan University. |
| Merritt Bucholz | - Founding Professor of the School of Architecture at the University of Limerick (SAUL). Holds a Bachelor of Architecture degree from Cornell University and a Master of Architecture degree from Princeton University, and is also a member of the Royal Institute of the Architects of Ireland. Engaged in architectural practice as part of the bureau Bucholz McEvoy Architects. |
| Fulco Treffers | - Architect and urban researcher, founder and former director of the Temporary Art Centre based in Eindhoven (the Netherlands). In 2005 founded the studio 12N Urban Matters. |
| Oleh Drozdov | - Architect, urbanist, expert of the EU Mies Award. Founder and chief architect of the bureau “Drozdov & Partners”. Co-founder and President of the Kharkiv School of Architecture, lecturer at the Department of Architecture and Urbanism. Co-founder and chief architect of the architecture and urbanism studio “Paragraph” in the city of Montreux, Switzerland. Since 2022 – expert of the European Commission. Co-founder of Ro3rvit – an urban coalition for Ukraine. |

Web page of the educational program: <https://kharkiv.school/master-of-arts>

Profile of the Educational and Scientific Program “Architecture and Urbanism”

General Information	
Name of the higher education institution and its structural unit	Private Institution “Institute ‘Kharkiv School of Architecture’”, Department of Architecture and Urbanism
Name of the Educational Programme	Architecture and Urbanism
Level	Second (Master’s) level according to the NQF of EHEA, Level 7 according to the EQF, Level 7 according to the NQF of Ukraine
Higher education degree	Master
Field of knowledge	G Engineering, Manufacturing and Construction
Specialty	G17 Architecture and Urban Planning
Form of education	Full-time
Educational qualification	Master of Architecture and Urban Planning
Qualification in the diploma	Higher education degree – Master, Specialty – G17 Architecture and Urban Planning
Type of diploma	Master’s diploma, single
Language of Instruction	Ukrainian, English
Number of ECTS credits	120 ECTS credits
Estimated duration of completing the ESP	1 year 10 months
Prerequisites (Entry requirements and admission conditions)	A Bachelor’s or Master’s degree (or Specialist qualification) is required. Applicants must pass professional entrance examinations designed to assess the acquisition of special (professional) competencies and learning outcomes defined by the Higher Education Standard for specialty 191 (G17) “Architecture and Urban Planning” at the first (Bachelor’s) level of higher education. Admission conditions are determined by the “Admission Rules of the Private Institution ‘Kharkiv School of Architecture Institute’”, as approved by the Academic Council.
Validity period of the educational program	Until the completion of the full study cycle.
Website	https://kharkiv.school/master-of-arts/

Program description	
Objective	The aim of the Programme is to train professionals with a focus on the Ukrainian context of post-war recovery and transformation, who are prepared for both architectural practice and research activities, possess strong professional skills, in-depth technical knowledge, and ethical values, demonstrate responsibility, understand context, and have their own vision of the future.
Subject area	<u>Objects of study and professional activity:</u> architectural and urban planning objects, including residential, public, municipal, industrial, and other types of buildings and structures; their interiors and equipment; architectural and urban complexes; landscaping, garden and park, and landscape architecture objects; works of monumental and decorative-applied art; territories (or parts thereof) of administrative-territorial units and settlements; reconstruction and restoration of architectural and urban planning objects; and the theory of architectural and urban planning activity. <u>Learning objectives:</u> to develop the ability to solve research and innovation-oriented tasks in the field of architecture and urban planning; to educate critically thinking architects with a responsible attitude toward society and the environment; to train professionals who are competitive in the labor market, capable of initiating qualitative change, operating within a contemporary global context, and engaging in new professional communities. <u>Theoretical content of the subject area:</u> concepts, theories, and principles of architectural and urban planning activity and architectural design. <u>Methods, methodologies, and technologies:</u> data collection and systematization; field measurements; formulation and testing of hypotheses and substantiation of concepts; modeling; research and design methods in architecture and urban planning; technologies for author's supervision; and contemporary digital technologies. <u>Tools and equipment:</u> cartographic materials; technical tools for site and building assessment; architectural drafting equipment; information processing systems; software for modeling architectural and urban planning objects; and materials and tools for physical model-making.

Orientation of the educational programme	Educational and research-oriented.
Main focus of the educational programme	An integrated approach to design and research, engagement with the urban environment, a comprehensive understanding of context by future professionals, and a deep awareness of the architect's role in the recovery and transformation of Ukrainian cities and communities.
Programme features	Ukrainian and international practicing professionals and researchers are involved in the implementation of the Educational Programme. The Programme considers architecture as a broader discipline than building design and explores urban spatial systems, infrastructure objects, and the human living environment. Students develop skills in design and research thinking based on an understanding of social, economic, and technological processes. Educational components are linked to a semester-long project and integrated within Integrated Design, which constitutes a significant part of the study time.

Employment and further study pathways of graduates	
Access to regulated profession	The Programme provides access to the profession of architect, design engineer, construction supervision engineer, and expert involved in the preparation and development of urban planning documentation and design documentation for construction, reconstruction, restoration, and major repair of buildings and structures, as well as landscaping, landscape, and garden-park projects, and scientific research and teaching activities.
Employment of graduates	Graduates of the Programme may work in the fields of architecture, construction, urban planning, and urbanism, including institutions and organisations operating in architectural design, urban planning, landscape architecture, reconstruction and restoration of architectural objects, architectural environment design, and construction, as well as public administration and local self-government bodies, and higher education institutions. According to the National Classifier of Economic Activities DK 009:2010, graduates of the Educational and Scientific Programme may perform activities under Section M "Professional, Scientific

	and Technical Activities”, including: 71 Architectural and engineering activities; 71.11 Architectural activities, including consulting in architecture on building design (including complex working drawings) and urban planning, including landscape architecture. 74 Other professional, scientific and technical activities 74.10 Specialised design activities. Graduates may hold the following positions (the list is not exhaustive): 2141 Professionals in architecture and urban planning 2141.1 Research associates (architecture, urban planning) 2141.2 Architect 2141.2 Architect for restoration of architectural and urban heritage monuments 2141.2 Urban planning engineer 1237 Chief architect 1229 Chief architect (public authorities) Graduates are also entitled to provide services under KVED 71.11 – Architectural activities.
Further study (academic rights of graduates)	A graduate has the right to continue studies: - in interdisciplinary programmes related to architecture and urban planning; - at the third (educational and scientific) level of higher education, in particular in the specialty G17 “Architecture and Urban Planning” in Ukraine, as well as in Architecture, Urbanism, Urban Planning, Landscape Architecture, Urban Studies, Urban Design, and Urban Planning programmes abroad; - in adult education programmes and other forms of continuing professional education.

Teaching and learning approach

Teaching and learning	Teaching is focused on addressing specific real-world problems and integrating research and practical components. - Studio and project-based methods: architectural studio method, project-based and problem-based learning. Lectures are delivered in an interactive, research- and knowledge-oriented format. - Research methods: critical analysis of literature and precedents, field research methods (Urban Mapping), seminar discussions. - Digital and innovative methods: BIM technologies, parametric and algorithmic design. - Communication and presentation methods: public project defenses and peer assessment. Lectures have an interactive, research-oriented character. Practical classes widely apply interactive methods (case studies, discussion of controversial topics, brainstorming sessions, workshops, etc.), as well as the completion of practical, graphical, and research tasks. Emphasis is placed on personal development, teamwork, and the ability to present results, fostering an understanding of learning and development needs, as well as readiness for lifelong self-education and research throughout professional activity. Organisational forms of learning: classroom-based, independent, blended, individual, and integrative learning.
Assessment	Assessment of students' learning outcomes is based on the principles of consistency, objectivity, and transparency of requirements, as defined in the syllabi of educational components and the internal regulatory documents of the Institute. Stages of assessment: - Ongoing assessment: preparation for classes (project stages, essays, graphical assignments); in-class performance (participation in discussions, debates, and completion of practical tasks, etc.). - Midterm assessment: submission of part or the full project during the semester; evaluation of a course module based on oral and/or written assessments, control tasks, and other assigned work.

	- Final assessment: differentiated credit (usually a cumulative semester grade) or examination, which may include project/work presentations, debates, written final assignments, tests, and other forms of evaluation.
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Program competencies	
Integral competence (IC)	Ability to solve research and/or innovation-oriented tasks in the field of architecture and urban planning.
General competencies (GC)	GC1. Ability for abstract thinking, analysis, and synthesis. GC2. Ability to communicate in the state language both orally and in writing. GC3. Ability to communicate in a foreign language. GC4. Ability to use information and communication technologies. GC5. Commitment to environmental preservation. GC6. Ability to act on the basis of ethical considerations (motives). GC7. Knowledge and understanding of the subject area and understanding of professional activity. GC8. Ability to communicate with representatives of other professional groups at different levels (with experts from other fields of knowledge/economic activities).
Special (professional, subject-specific) competencies (SC)	SC1. Ability to integrate knowledge and solve complex problems in architecture and urban planning in broad or multidisciplinary contexts. SC2. Ability to solve problems in architecture and urban planning in new or unfamiliar environments with incomplete or limited information, taking into account aspects of social and ethical responsibility. SC3. Ability to analyze, develop, and implement architectural and urban planning solutions considering socio-demographic, national-ethnic, natural-climatic, engineering-technical factors, as well as sanitary-hygienic, safety, energy-saving, environmental, and technical-economic requirements. SC4. Ability to continue learning with a high degree of autonomy. SC5. Ability to develop and implement projects in the field of architecture and urban planning. SC6. Ability to analyze international and domestic experience, collect, accumulate, and use information necessary for solving research and innovation tasks in the field of architecture and

	urban planning. SC7. Ability for design modeling and research of conceptual, physical, and computer models of architectural and urban planning objects. SC8. Ability to develop assignments for architectural and urban planning design, organize the design process using data from field surveys, measurement works, and urban planning calculations of the design object. SC9. Ability to manage work processes in the field of architecture and urban planning that are complex, unpredictable, and require new strategic approaches. SC10. Ability to generate new ideas and develop innovative solutions in the field of architecture and urban planning. SC11. Ability to critically reflect on problems in architecture and urban planning. SC12. Ability to plan and carry out scientific and applied research in the field of architecture and urban planning. SC13. Ability to carry out scientific and pedagogical activities in higher education institutions.
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Program learning outcomes	
Program learning outcomes (LO)	L01. Have specialized conceptual knowledge, including modern scientific achievements in the field of architecture and urban planning, serving as a basis for original thinking and conducting research. L02. Have specialized skills/abilities to solve problems necessary for conducting research and/or engaging in innovative activities in the field of architecture and urban planning to develop new knowledge and procedures. L03. Conduct pre-design analysis of architectural and urban planning objects and territories. L04. Understand and apply in practice the theoretical and practical principles of designing innovative urban objects, residential, public, industrial buildings and structures, reconstruction and restoration of architectural objects, methods for achieving rational architectural-planning, volumetric-spatial, and structural solutions, ensuring socio-economic efficiency, environmental friendliness, and energy efficiency. L05. Know, understand, and evaluate the characteristics of modern building materials, products, and technologies, considering their features when developing innovative design solutions for buildings and structures, urban and landscape improvement projects, and the reconstruction and restoration of architectural and urban heritage. L06. Ensure harmonization of architectural objects and the surrounding environment, including the application of principles and methods of architectural environment design theory.

	L07. Perform design modeling, select digital technologies and software tools to solve research and innovation tasks, develop and implement projects in the field of architecture and urban planning, prepare relevant scientific and technical documentation, and create models and illustrative materials. L08. Organize work on complex architectural and urban planning projects, collaborate with clients and the public in development, approval, and public discussion of architectural projects; clearly communicate conclusions and reasoning to both specialists and non-specialists. L09. Apply energy-efficient and other innovative technologies in conducting scientific architectural and urban planning research and making complex architectural and urban planning decisions. L010. Discuss the results of professional activities, research, and innovative projects in architecture and urban planning in the state and foreign languages, both orally and in writing. L011. Make effective decisions in architecture and urban planning, develop and compare alternatives, consider constraints, and evaluate possible side effects and risks. L012. Know and apply legislation and regulatory frameworks in practical activities for conducting research and developing architectural and urban planning projects. L013. Justify safety, sanitary-hygienic, environmental, engineering-technical, and technical-economic solutions and indicators in comprehensive architectural and urban planning design. L014. Perform author supervision during the implementation of projects in the field of architecture and urban planning. L015. Analyze international and domestic experience in the design of architectural and urban planning objects. L016. Plan and carry out scientific research in the field of architecture and urban planning. L017. Teach specialized courses in architecture and urban planning at higher education institutions.
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Resource support	
Human resources support	Information on the academic staff involved in the educational process is published on the official website of the Institute (https://kharkiv.school/documents/). The quantitative and qualitative indicators of the scientific and professional activity of academic staff fully comply with the requirements of the Resolution of the Cabinet of Ministers of Ukraine “On Approval of the Licensing Conditions for Educational Activities of Educational Institutions” No. 1187 dated 30 December 2015, as well as with the Institute’s policy on quality assurance in education. The academic and/or professional qualifications of the teaching staff involved in the implementation of the Programme ensure the achievement of its defined objectives and programme learning outcomes. The educational process involves professionals with experience in practice, research, management, innovation, creative work, and specialised professional activity, as well as international lecturers.
Material and technical support	Information on material and technical support is published on the official website of the Institute (https://kharkiv.school/documents/). The quantitative and technical indicators of material and technical provision fully comply with the requirements of the Resolution of the Cabinet of Ministers of Ukraine “On Approval of the Licensing Conditions for Educational Activities of Educational Institutions” No. 1187 dated 30 December 2015. The educational process is fully supported by appropriate learning spaces, modern equipment with up-to-date software, and open wireless internet access. The main types of spaces used in the educational process include: • Studios – spaces equipped with multimedia and other presentation tools for student work, including office equipment; • Classrooms – spaces for lectures, practical and seminar classes equipped with multimedia equipment; • Workshop – a space equipped for material-based work and experimentation; • Model-making workshop – a training and experimental architectural model-making laboratory; • Computer lab – a space equipped with modern computer hardware and software; • Library; • Sports hall.

Information and teaching and methodological support	Information and teaching and methodological support complies with the requirements for educational activities in higher education in accordance with the Resolution of the Cabinet of Ministers of Ukraine “On Approval of the Licensing Conditions for Educational Activities of Educational Institutions” No. 1187 dated 30 December 2015. Information and teaching and methodological support includes: - an official website where information is published in full compliance with current legislation, including the Law of Ukraine “On Higher Education” (https://kharkiv.school/); - a corporate cloud storage system providing students with free and convenient access to teaching and methodological materials at any time; - a library containing over 1,000 volumes of the most up-to-date literature in architecture and the humanities (https://kharkiv.school/biblioteka/); - free access to other electronic resources, including Research4Life, the electronic library “Culture of Ukraine”, electronic information resources of the V. I. Vernadskyi National Library of Ukraine, the Institute of History of Ukraine of the National Academy of Sciences of Ukraine, DANS (Data Archiving and Networked Services), DissOnline archive, Europeana, UNdata, collectively providing access to more than 50 million works; - an internet network with free access for all participants of the educational process.
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Academic mobility	
National credit mobility	It is organized on the basis of agreements on cooperation in the field of education and science with higher education institutions in Ukraine. Information about opportunities to participate in national credit mobility is published on the website (https://kharkiv.school/documents/).
International credit mobility	It is organized on the basis of agreements on cooperation in the field of education and science with foreign higher education institutions. Information about opportunities to participate in international credit mobility is published on the website (https://kharkiv.school/documents/).
Education of international higher education students	Within the framework of short-term academic mobility.

List of program components

Code	Names of educational components	Number of credits	Form of final assessment
MANDATORY COMPONENTS			
Academic disciplines			
ST01	Integrated Design 1	15	Differentiated credit
ST03	Integrated Pre-Diploma Research Work	12	Differentiated credit
DP01	Diploma Qualification Work	30	Public defense
T01	Technologies 1: Environment, Energy, and Infrastructure	5	Differentiated credit
T02	Technologies 2: Digital Tectonics	5	Exam
H01	Theory and History of Urban Forms 1	5	Exam
H03	Urban Planning and Management	3	Exam
MP01	Methods and Tools of Urban Research and Participatory Practices	5	Differentiated credit
MP02	Professional Practices	5	Exam
MP03	Academic Practice in Architecture and Urbanism	3	Differentiated credit
MP04	Research Diploma Work	6	Differentiated credit
Total volume of mandatory educational components (number of ECTS credits)		88	
ELECTIVE COMPONENTS			
ST02.1	Integrated Design 2: Architectural Studio	15	Differentiated credit
ST02.2	Integrated Design 2: Urban Design Studio		
H02.1	Theory and History of Urban Forms 2: Heritage Reconstruction	5	Differentiated credit
H02.2	Theory and History of Urban Forms 2 Restoration and Reconstruction Practices		
Elective Practices			
P01.1	Architectural Internship	12	Differentiated credit
P01.2	Urban Internship		
Total volume of elective components (number of ECTS credits)		32	
TOTAL VOLUME OF THE EDUCATIONAL AND SCIENTIFIC PROGRAM (number of ECTS credits)		120	

Form of assessment

Assessment is conducted in the form of a public defense of the qualification work.

Requirements for the qualification work

The qualification work involves solving a research and/or innovative problem in the field of architecture and urban planning.
The qualification work consists of a research project with a graphical component (architectural design).
The qualification work must be free from academic plagiarism, falsification, and fabrication.
The qualification work is published on the Institute's website or in its repository.

The educational and scientific program "Architecture and Urbanism" is subject to monitoring and review in accordance with the Regulation on Internal Quality Assurance in Higher Education of the Private Institution "Institute 'Kharkiv School of Architecture'."

APPENDICES:

1. Structural-logical scheme of the educational and scientific program "Architecture and Urbanism" (hereinafter – ESP).
2. Matrix of learning outcomes correspondence to the educational components of the ESP.
3. Matrix of learning outcomes correspondence to the educational components of the ESP.

Program guarantor



Ryan LOCK

Appendix 1. Structural-logical scheme of the educational and scientific program “Architecture and Urbanism.”



