

Profile of the Educational Programme on Landscaping (Master's degree)

1 – General Information	
Full name of higher educational institution	O. M. Beketov National University of Urban Economy in Kharkiv
Higher education degree and the title of qualification in the original language	Master in Landscaping
Official title of the educational programme	Landscaping
Type of diploma and the scope of the educational programme	Certificate of master's degree, individual, 90 ECTS credits, training time is one year and four months
Accreditation certificate	Ministry of Education and Science of Ukraine Certificate of accreditation: 191 The certificate is valid for 28.01.2025.
Cycle/Level	Ukrainian National Qualifications Framework – 8 level; FQ-EHEA – Two Cycle; EQF – 7 level
Admission requirements	Complete a bachelor's degree, specialist
Language (s) of teaching	Ukrainian
Duration of the educational programme	5 years
Internet address of permanent placement of the educational programme description	https://lspg.kname.edu.ua/index.php/uk/home/osvitni-prohramy
2 – Object of the educational programme	
The purpose of the educational program is to prepare a highly qualified specialist in garden and park economy with a focus on the formation of organizational project competencies	
3 – Description of the educational programme	
Subject area	<p><i>Objects of study and activity:</i> organization of enterprises for the production of ornamental plants; functional planning of urban and public areas, and objects of the urban environment; sites of cultural heritage, gardening monuments, protected natural zones; man-made territories and devastated landscapes and ways for their rehabilitation; scientific-based methods and technological processes of establishment and maintenance of landscape objects; landscape-recreational systems and objects of landscape architecture, information support and control of activity of enterprises and organizations, the legal framework of professional activity, application of research programs, tasks for designing, establishment and maintenance of landscape objects.</p> <p><i>Learning Objectives:</i> training of specialists as decision makers dealing with complex theoretical and practical problems of landscaping in</p>

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	<p>uncertain conditions and requirements; implementation of training programmes involving scientific and design research and/or innovation in uncertain conditions and requirements. All objectives depend on the activity and requirements for the development of a specialty educational program and are focused on research and pedagogical activities;</p> <p><i>Theoretical content of the subject area:</i></p> <ul style="list-style-type: none"> - development of methods and conducting of scientific research, an organization to make decisions about practical issues in landscaping; - design and establishment of greenery, their maintenance, and impact on the microclimate and the environment. <p><i>Methods, techniques and technologies:</i></p> <ul style="list-style-type: none"> - the applicant must have professional knowledge, and be able to compile scientific reports, literature reviews, and scientific publications about the growing of ornamental plants, designing, establishing and maintaining landscaping facilities. <p><i>Tools and equipment (objects/subjects, devices and tools that higher education students learn to apply):</i></p> <ul style="list-style-type: none"> - computer programs, machines, mechanisms and tools for the technological processes of growing ornamental plants, designing, establishing and maintaining gardens
Orientation of the educational programme	Educational and professional
The key focus of the educational programme and specialization	<p>General education and training in landscaping.</p> <p>Keywords: objects of landscape architecture, adaptation and reconstruction of parks, innovative technologies for growing planting material, revitalization of disturbed landscapes.</p>
Features of the programme	The educational program is based on the principles of interdisciplinary approaches for the formation of complex competencies of landscape specialists with a focus on organizational and project components, as well as the principles of sustainable development of urban ecosystems and nature management using innovative approaches in training program.
4 – Graduate employability and further academic education	
Employability	<p>Profession, professional titles of work (according to the current edition of the National Classifier of Ukraine: Classifier of professions (DK 003: 2010):</p> <p>Professions, professional titles of works (according to the current edition of the National Classifier of Ukraine: Classifier of professions (DK 003: 2010):</p> <ul style="list-style-type: none"> - engineer of landscape (2149.2); - environmental management engineer (2213.2); - environmental engineer (22149.2); - design engineer (urban planning) (2141.2). <p>Place of employment: enterprises of housing and communal services, in the field of environmental protection, higher educational institutions, botanical gardens, dendrological and national nature parks.</p> <p>Place of employment: housing and communal services, environmental protection field, higher educational institutions, research institutions, botanical gardens, national parks.</p>
Further academic education	Continuing education for the third (educational and scientific) level
5 – Instruction and assessment	
Instruction and	Student-centric education, problem-oriented education, lectures, practical

learning	classes, laboratory work, independent work, consultations, project work, and preparation of qualification work. Teaching methods: problem presentation, illustrations, and demonstrations, partly search, research, practical.
Assessment	Current control: graphic and written works, oral examination, tests, presentations of individual tasks. Final control: written exams and differential tests, defense of term papers and projects, defense of reports on practices. Certification: public defense of qualifying work (master's thesis).
6 – Programme competences	
Integral competence	Ability to solve complex problems in the field of landscaping and in the learning process, which involves research and innovation under uncertain conditions and requirements.
General competences (GC) defined by the standard of higher education in the specialty	GC 1. The ability to abstract thinking, analysis, and synthesis. GC 2. The ability to apply knowledge in practical situations. GC 3. The ability to communicate in the state language both orally and in writing. GC 4. The ability to motivate people and move towards a common goal. GC 5. The ability to adapt and act in a new situation. GC 6. The ability to develop and manage projects.
Professional competences of the specialty (PC) defined by the standard of higher education of the specialty	PC 1. The ability to develop technologies for growing of ornamental plants in open nurseries and greenhouses. PC 2. The ability to assess economic efficiency, innovation and technological risks in the use of new technologies in planting material growing. PC 3. The ability to design and implement works for engineering preparation of the territory, construction, landscaping and maintenance of objects of landscape architecture, cultural heritage and devastated landscapes. PC 4. The ability to manage objects of landscape architecture, their functional use, protection and organization of works on urban monitoring and inventory of parks, gardens and cultural heritage objects. PC 5. The ability to compile inventories of greenery. PC 6. The ability to organize and implement state control and supervision over the implementation of the rules of maintenance of objects of landscape architecture and cultural heritage objects. PC 7. The ability to assess the amount of damage caused to objects of landscape architecture and cultural heritage as a result of violation of environmental or urban planning laws. PC 8. The ability to assess production and non-production costs for quality assurance, technical control, author's supervision of production and design activities in the field of landscaping. PC 9. The ability to control production and design activities in the field of landscaping. PC 10. The ability to make technical calculations in projects, feasibility study and functional-cost analysis of the effectiveness of the designed solutions. PC 11. The ability to predict the consequences, and find effective solutions in the planning and implementation of projects, taking into account the existing constraints. PC 12. The ability to organize the work of a team of specialists, which is related to the planning (or reconstruction) of urban areas, open spaces, objects of landscape architecture, etc. PC 13. The ability to plan and collect, process, analyze and systematize

	<p>scientific and technical information on the research topic, choose methods and tools for solving complex problems of professional activity.</p> <p>FC 14. The ability to acquire new knowledge and conduct applied research in the field of horticulture, generalization and systematization of information.</p> <p>FC 15. The ability to teach special disciplines in institutions of the higher and professional initial level of higher education, train employees in innovative activities and conduct environmental education among the population.</p>
7 – Programme learning outcomes	
Programme learning outcomes defined by the standard of higher education of the specialty	<p>PLO 1. Design of technological processes for the engineering preparation of the territory, construction and maintenance of objects of landscape architecture.</p> <p>PLO 2. Development and implementation of measures for the rational use of natural landscapes and landscape management.</p> <p>PLO 3. Development and introduction of technical tasks and implementation of modern technologies for improvement of planting material: ornamental trees, shrubs, flower crops, lawn grasses.</p> <p>PLO 4. Evaluate the economic efficiency of the proposed solutions.</p> <p>PLO 5. Development of ecological-biological and technological measures for garden and park economy, natural and cultural landscapes.</p> <p>PLO 6. Development and implementation of engineering preparation of the territory, construction, and maintenance of objects of garden and park economy of natural and cultural landscapes.</p> <p>PLO 7. Implementation of effective management of garden and park economy, natural and cultural landscapes taking into account technological, legal, economic, ecological and other aspects.</p> <p>PLO 8. Development of work team strategies.</p> <p>PLO 9. Provide presentation of the results of research in the field to specialists and non-specialists.</p> <p>PLO 10. To develop projects of objects of gardening, garden and park economy and landscape architecture, restoration and reconstruction of objects of landscape architecture, cultural heritage; design winter gardens in the interiors of office and residential buildings, roof landscaping, greenhouses and hothouses.</p> <p>PLO 11. Development of design territories of squares, highways and streets, pedestrian zones, lanes of linear objects, rest and tourism zones, forest parks, territories of hospital complexes and resorts, sanitary protection zones, reclamation tree plantations, and rehabilitation of disturbed landscapes.</p> <p>PLO 12. Creation of landscape and providing plant care.</p> <p>PLO 13. Organize educational and cognitive activities of students.</p> <p>PLO 14. Obtaining new knowledge and development of advanced training and coaching of employees in innovation.</p> <p>PLO 15. Development of educational environmental activities and workshops to raise awareness at the national level.</p>
8 – Resource support for programme implementation	
Staffing	<p>The graduate department is the Department of Landscape Architecture and Park Art. The scientific and pedagogical staff have qualifications according to educational components, the experience of practical, scientific and pedagogical activity and regularly improve their scientific and pedagogical skills through participation in scientific conferences and workshops, research, and internships at research institutes in Ukraine and other countries.</p>

Material and technical support	<p>The training process has adequate auditor, administrative, and support facilities. Lecture classes are in classrooms with multimedia equipment and information tables.</p> <p>For practical training, the laboratory of biology, ecology, and plant protection, the laboratory of monitoring and design of landscape objects of plants, as well as a computer class based on architectural and artistic workshops is used ARTHOUSE - modern laboratories and workshops for conducting classes in architectural design and landscape design, modeling and search for new shapes in landscape art.</p> <p>The laboratory is equipped with modern specialized equipment for research in the garden and park facilities.</p>
Information, educational and methodological support	<p>All educational components are equipped with teaching materials placed in the relevant courses on the Moodle distance learning platform (abstracts of lectures, methodical recommendations for practical and independent work of students, handouts, programs of practice, etc.).</p> <p>Applicants have free access to modern professional literature and periodicals stored in the collection of the scientific library of O.M. Beketov National University of Urban Economy in Kharkiv databases Scopus and Web of Science; resources of SpringerLink, ScienceDirect from «Elsevier» including on the ScienceDirect platform - up to almost 40 thousand electronic periodicals and a collection of more than 2000 electronic monographs 2019-2020.</p> <p>The University has an official website that provides important information, an electronic repository. Students and teachers have access to the corporate system and the Internet.</p>
9 – Academic mobility	
National credit mobility	<p>Opportunity to participate in the programs of national credit mobility in other universities of the country, where the preparation of bachelors in the specialty 206 «Landscaping» under the Regulation on academic mobility of students, postgraduate students, doctoral students, scientific-pedagogical and scientific workers of O.M. Beketov National University of Urban Economy in Kharkiv.</p>
International credit mobility	<p>Participation in international credit mobility programs within the framework of agreements on international academic mobility (Erasmus + K1) with the University of Nova Gorica (Republic of Slovenia), Middle East Technical University (Ankara, Turkey).</p>
Training of foreign applicants for higher education	<p>In accordance with the Rules of admission of foreign citizens to O.M. Beketov National University of Urban Economy in Kharkiv</p>