

## Profile of Educational Program on Landscaping (Master's degree)

Загальна інформація	
Legal name of the educational program	<i>Landscaping</i>
Specialty	<i>206 Landscaping</i>
Subject area	<i>20 Agricultural Sciences and Food</i>
Academic degree and original title of qualification	Master's degree <i>Master in Landscape Management</i>
Type of Certificate and scope of the educational programme	Certificate of master's degree, individual, 90 ECTS credits, training time is one years and four months
Certification	- Ministry of Education and Science of Ukraine, decision of accreditation №2(19).2.152 from 28.01.2020 p. certificate of accreditation –191, valid until 28/01/2025
Cycle/Level	Ukrainian National Qualifications Framework – 8 level; FQ-EHEA – Two Cycle; EQF – 7 level
Requirements for educational level of the undergraduate applicants	Complete of a bachelor's degree, specialist
Language(s) of education	Ukrainian
Duration of the educational program	5 years
Aim of the Educational Program	
	The aim of the educational program is the professional training of specialists, capable for research activities; development of research programs and work plans; introduction of scientific research into special education and production; development of work plans and projects of landscape gardening; collection, processing, analysis, systematization of scientific and technical information of innovative character by specialty and introduction into special training and production.
Specification of the Educational Program	
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 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 gardening objects; landscape-recreational systems and objects of landscape gardening, information support and control of activity of enterprises and organizations, legal framework of professional activity, application of research programs, tasks for designing, establishment and maintenance of landscape objects.</p> <p><b>Learning Objectives:</b> training of specialists as decision makers dealing with complex theoretical and practical problems of landscaping in uncertain conditions and requirements; implementation of training programs involving scientific and design research and / or innovation in uncertain conditions and requirements. All objectives depend on the</p>

	<p>activity and requirements for the development of a specialty educational program and focused on research and pedagogical activities;</p> <p><b>Theoretical content of the subject area:</b></p> <ul style="list-style-type: none"> <li>- development of methods and conducting of scientific researches, organization, analysis and realization of results of researches in special and professional training and production of processes of growing of ornamental plants, designing, establishment and maintenance of garden and park objects.</li> <li>- design and formation of greenery, its maintenance, influence on the microclimate and the environment.</li> </ul> <p><b>Methods, techniques and technologies:</b></p> <ul style="list-style-type: none"> <li>- the applicant must have professional knowledge, be able to compile scientific reports, literature reviews and scientific publications about growing of ornamental plants, designing, formation and maintenance of landscaping facilities.</li> </ul> <p><b>Tools and equipment (objects/subjects, devices and tools that higher education students learn to apply):</b></p> <ul style="list-style-type: none"> <li>- computer programs, machines, mechanisms and tools for the technological processes of growing ornamental plants, designing, formation and maintaining gardens</li> </ul>
<b>The educational program orientation</b>	Educational and professional
<b>Focal point of the educational program and specialization</b>	<p>General education and training in landscaping.</p> <p>Keywords: landscape-park objects, landscaping of settlements, ornamental planting material, recreational forests</p>
<b>Specificities of the program</b>	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 component, as well as the principles of sustainable development of urban ecosystems and nature management using innovative approaches in training program.
<p align="center"><b>Suitability of graduates to Employment and Further Education</b></p>	
<b>Suitability to employment</b>	<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"> <li>- engineer of landscape (2149.2);</li> <li>- environmental management engineer (2213.2);</li> <li>- environmental engineer (22149.2);</li> <li>- design engineer (urban planning) (2141.2).</li> </ul> <p>Place of employment: enterprises of housing and communal services, in the field of environmental protection, higher educational institutions, botanical gardens, dendro and national nature parks.</p>
<b>Further education</b>	The Master in Landscape Management can continue his studies at the university and other scientific institution of the appropriate level of accreditation under the program of the third (educational-scientific) higher education level.
<p align="center"><b>Teaching and Grading</b></p>	
<b>Teaching and learning</b>	Lectures, lab sessions, practical classes, self-studying based on textbooks, tutorials and lecture notes, consultations with teachers, preparation of bachelor's thesis.

<b>Grading</b>	Knowledge is assessed from both theoretical and practical training on a 100-score system with transfer to a grading system on a national scale. The educational program provides current, modular and final assessment of knowledge during the study of disciplines, defense of reports on practices, defense of term papers and projects, public defense of qualifying work.
<b>Program Learning Outcomes</b>	
<b>Program learning outcomes (PLO)</b> defined by the standard	<p>PLO 1. Design of technological processes for the engineering preparation of the territory, construction and maintenance of objects of landscape gardening.</p> <p>PLO 2. Development and implementation of measures for the rational use of natural landscapes and landscapes management.</p> <p>PLO 3. Development and introduction of technical tasks and implementation of modern technologies for improvement 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 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 gardening, 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, rehabilitation of disturbed landscapes.</p> <p>PLO 12. Creation of landscape and providing of plant care.</p> <p>PLO 13. Organize educational and cognitive activities of students.</p> <p>PLO 14. Obtaining of new knowledge and development advanced training and coaching of employees in innovation.</p> <p>PLO 15. Development of educational environmental activities and workshops raising awareness at the national level</p>
<b>Program learning outcomes (PLO)</b> defined by the higher education institution	<p>SPLO 16. Development of landscape projects for public institutions, cultural centers, educational objects according to their typological issues and compositional city structure with application of principles of gardening on artificial bases; to calculate admissible loadings according to their artificial type; to select engineering networks and equipment for the arrangement; plant selection.</p> <p>SPLO 17. Pre-project search for arrangement of the territory of historical parks and cultural heritage; design measures for the restoration of historical parks on the basis of modern methodological approaches; works on research and project on adaptation of territories of historical parks and executors of design decisions; to provide reconstruction</p>

	<p>measures on the territory of objects in accordance with their functional features.</p> <p>SPLO 18. Operational management of horticultural enterprises, landscape-recreational planning of nature reserves in accordance with Ukrainian legislation, taking into account recreational potential, scientific and cultural-historical significance, as well as functional features.</p> <p>SPLO 19. Conduct research focus on informative qualities of morphological features of the material components of the park area; development concept of information structure of park objects; to study the principles of sustainable development of man - park environment relations substantiation of the measure system for sustainable development of park objects.</p>
<b>Resources for Program Implementation</b>	
<b>Staffing</b>	<p>The graduating department is the Department of Forestry and Landscaping, which employs 4 candidates of agricultural sciences, 3 of which have the academic title: 1 - Associate Professor of Landscape Architecture and Landscape Construction and 2 - Associate Professor of Forest Crops and Land Reclamation. The head of the educational and professional master's program in the specialty 206 "Landscaping" is an associate professor, candidate of agricultural sciences. Scientific and pedagogical qualifications of scientific and pedagogical staff correspond to the disciplines they teach according to the educational program. Teaching of lecture disciplines is provided by scientific and pedagogical staff with scientific degrees and academic titles. Teachers have a proven level of scientific and professional activity. The teaching of disciplines involves scientific and pedagogical staff with experience in practical work in the speciality, conduct research and regularly improve their scientific and pedagogical skills through participation in scientific conferences and workshops, research, internships at research institutes in Ukraine and other countries.</p>
<b>Logistical support</b>	<p>The educational process is adequately provided with an auditorium, administrative and support facilities.</p> <p>Lectures are held in classrooms using multimedia equipment and spreadsheets. The laboratory of monitoring of forest and landscape facilities for conducting of practical and laboratory classes (aud. 305/2 BMK at A.N. Beketov Kharkiv National University of Urban Economy) and specialized audience (# 5a and #10 at Communal College of A.N. Beketov Kharkiv National University of Urban Economy) are used as well as computer class at ARHOUSE architectural and artistic studio). The laboratory is equipped with modern specialized facilities for research in the forestry.</p>
<b>Information-technology and methodological resources</b>	<p>All educational components of the educational program "Forestry" are provided with the following educational and methodological materials: textbooks; tutorials; lecture notes; methodological recommendations for practical, laboratory work, individual tasks, course design and independent work, etc.</p> <p>Educational and methodical materials are available on Department` webpage: <a href="https://lspg.kname.edu.ua/index.php/uk/home/dystsypliny">https://lspg.kname.edu.ua/index.php/uk/home/dystsypliny</a>;</p> <p>All materials for students are available on the scientific library <a href="http://library.kname.edu.ua/index.php/uk/">http://library.kname.edu.ua/index.php/uk/</a>; and on the distance learning system Moodle (<a href="https://cdo.kname.edu.ua">https://cdo.kname.edu.ua</a>, <a href="https://dl.kname.edu.ua">https://dl.kname.edu.ua</a>).</p>
<b>Academic Mobility</b>	

<b>National credit mobility</b>	Participation in national credit mobility programs in other universities, which provide training for masters students within educational program 206 Landscaping (trainings, workshops, summer and winter schools, etc.) provided by universities and contribute to the acquisition of professional competencies , with the possibility of crediting academic achievements in internship programs.
<b>International credit mobility</b>	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).
<b>Training of foreign higher education applicants</b>	-