

STUDY PROGRAMS

Bachelor study programs

- Horticulture
- Landscape Engineering
- Landscape and Garden Architecture

Master study programs

- Horticulture
- International Master of Horticulture Science
- Landscape Engineering
- Garden and Landscape Architecture
- Biotechnics of Park and Landscape Arrangements

Doctoral study programs

- Horticulture
- Landscape Engineering
- Garden and Landscape Architecture

FACULTY PARTICIPATION IN EU STRUCTURAL FUND

Operation programme Education

Name of the project:

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Európska únia

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MASTER STUDY PROGRAMS



Faculty of Horticulture and Landscape Engineering
Slovak University of Agriculture in Nitra



STUDY PROGRAM: HORTICULTURE

Graduate profile

Graduates represent academically educated specialists with a comprehensive insight and knowledge of horticulture production. They master contemporary growing technologies in viticulture, vegetable, flower, and fruit production, including integrated and ecological systems of their production with an emphasis on production of quality raw material and the subsequent post-harvest processing and storage. Graduates are trained in grape processing and wine production with focus on the attributes of high quality wines.

Assertion and employment of graduates

Graduates perform as specialists in all forms of horticultural production and subsequent processing units, marketing, trade, research and breeding. They find jobs in the private sector, education, government and at testing sites of the Central Control Testing Institute for Agriculture, furthermore as managers of garden centres, greenhouse economies and as designers of orchards, vineyards, and nurseries or as main cellar technologists in small, medium and large wineries. They can conduct consulting services for horticultural production, be advisors for the establishment and operation of fruit orchards, vineyards, cellar management, vegetable plantations and fruit and wine-growing nurseries. Graduates can also continue in their studies at the doctoral level.

STUDY PROGRAM: INTERNATIONAL MASTER OF HORTICULTURE SCIENCE

International Master of Science in Horticulture (MSc IHS) is common international study programme taught at 3 faculties: Faculty of Horticulture, University of Agriculture in Krakow (Poland); Faculty of Horticulture, Mendel University in Brno (Czech Republic) and Faculty of Horticulture and Landscape Engineering, Slovak University of Agriculture in Nitra (Slovakia).

Graduate profile

The international study programme is focused on the education and training of students for their future activities in spheres of management, trade, and services as well as in governmental services at the European level. The main goal of studies is to inform students about the current situation in the field of horticultural production with regard to international aspects and to prepare graduated experts capable of applying gained knowledge in domains of both theory and practice.

Assertion and employment of graduates

Graduates will have an opportunity to occupy managerial functions in companies operating within the horticultural production in the public (governmental) and private sectors. They will find out jobs in research institutions and at universities. Regarding the fact that this will be an international common study programme, taught in English, the graduates will acquire good knowledge of the English language, that will enable them to work in important managerial positions anywhere abroad

STUDY PROGRAM: LANDSCAPE ENGINEERING

Graduate profile

Graduates have a principal knowledge of land water management, protection of soil, water, air and biota, comprehensive land consolidation solutions and solving technical problems using GIS and CAD software applications. Graduates acquire the ability to identify and manage compounds and elements of the landscape structure, their ecological, environmental, functional and landscape-aesthetic characteristics. They are able to plan and design solutions that respect the characteristics of the site and ensure their sustainability, undertake projects related to rural landscape development, taking into account the environmental requirements.

Assertion and employment of graduates

Graduates have a comprehensive technical and ecological knowledge, which extends their job opportunities in project practice as a designer in the fields of landscaping, water management, waste management, fertilisation measures on land resources. They can work on the documentation of environmental impact assessment processes and as independent senior officials in the government, local authorities, bodies of nature protection, organisations dealing with landscape engineering issues or in organisations of disposal, treatment and recovery of municipal, agricultural and industrial wastes. Graduates can also work on building the environmental management systems in manufacturing enterprises and organisations, as well as in third-sector organisations with an environmental focus.



STUDY PROGRAM: GARDEN AND LANDSCAPE ARCHITECTURE

Graduate profile

Graduates are trained in the areas of urban and periurban design, rural and landscape planning and creating of sustainable sites. They acquire a comprehensive knowledge of landscape theory and applied plant biology with a focus on their combinations and aesthetic composition. They are able to analyse, evaluate and creatively design different types of the green areas in urban environment, eg. parks, squares, schools' and hospitals' sites, recreational forests, propose the revitalisation of historical parks and brownfield areas and cultural landscape. They are skilled to construct small architecture, draw technical details and present their proposals by using 2D and 3D graphic softwares.

Assertion and employment of graduates

The graduate is comprehensively prepared to practice as an Authorised Landscape Architect after completing the assigned practice length and passing the authorisation exams. They can undertake business activities in the area of design and creation of green infrastructure and green open spaces of different scales in the villages, cities and in the landscape. They are prepared to perform as conceptual staff in specialised institutions and public authorities from the municipal, up to the state level, as well as in third-sector organisations with an environmental focus. Completing further education opens opportunities to work at teaching and research positions at universities and in research institutions.

STUDY PROGRAM: BIOTECHNICS OF PARK AND LANDSCAPE ARRANGEMENTS

Graduate profile

Graduates will acquire knowledge and skills including the principles of greenery design in settlements and in the landscape. They master methods and means of plant material quality evaluation, they are able to design and create landscape greenery, process and ensure a complex management of implementation, maintenance and reconstruction of vegetation elements. They have knowledge of technologies of ornamental plant production and interior design. They handle the tools of graphic and verbal presentation of their work.

Assertion and employment of graduates

Graduates can perform as creative staff able to solve different tasks for landscape and garden architects. They have a qualification for managing design, implementation and maintenance of landscape and settlement greenery. They can find employment in the sectors of production and trade with ornamental plants, private sector as well as in the wider business community. They can also work as managers of production technologies and quality assessment of planting and reproductive material. They can assert themselves as qualified professionals in the field of phytosanitary plant treatment, and in assessment of the health and operational safety of trees in urban areas.