

# International Master of Science in Horticulture

## Courses /

### 1st year

#### WS / University of Krakow, Poland

Biostatistics, Integrated Protection of Horticultural Crops, Plant Molecular Genetics and Genomics, Polymers in Horticulture, Principles of Plant Cell and Tissue Cultures, Social Insect Ecology, Soilless Cultivation Systems.

#### SS / MENDELU, Czech Republic

Applied Plant Biotechnology, Stone Fruit Production, Sophisticated Vegetable Production, Winemaking Methods, Fruit Storage, Technology of Fruit Distillates, Horticulture Machinery.



### 2nd year

WS / Slovak University of Agriculture, Slovak Republic / Horticulture Dendrology, Integrated Systems of Fruit Production, Post-Harvest Technology of Horticultural Crops, Pruning and Training of Fruit Trees, Special Fruit Growing, Grape and Wine Evaluation, Quality Management Systems in Horticulture, Vegetable Seed Production

SS / home university / Diploma Thesis



**Faculty of Biotechnology and Horticulture  
University of Agriculture in Krakow  
International Master of Science in Horticulture**

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Faculty of Biotechnology  
and Horticulture



University of Agriculture  
in Krakow

## About study field /

The University of Agriculture in Krakow / Faculty of Horticulture and Mendel University in Brno / Faculty of Horticulture and Slovak University of Agriculture in Nitra / Faculty of Horticulture and Landscape Engineering are the partner institutions cooperating in a joint international educational programme, the "International Master of Science in Horticulture" (MSc IHS).

The international study programme "International Master of Science in Horticulture" 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. In the course of their studies, students can get a certain level of specialisation on the base of passing through both obligatory and voluntary courses that have been selected with regard to current trends in modern European horticultural production. As a segment of special agricultural production, the field of studies "Horticulture" involves the horticultural industry in its complete scope and professional specialisations at the level of the master degree.

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.

The key advantage of students in this study programme will be their good orientation in the European horticultural industry that they will acquire during their study stays at partner universities in different countries. Within the framework of studies, great impact will be laid on the current problems of modern horticulture that concern above all domains of vegetable production, pomiculture,

viticulture, greenhouse production, plant biotechnologies, storage of horticultural products, their quality etc. The central point of this study programme will be the elaboration of a diploma thesis, in which students will have a chance to specialize and investigate a certain part of the horticultural industry. Thanks to facultative subjects, students will be able to extend their knowledge about many other different parts of the horticultural production that will be involved in a complex manner into this study programme.

## After graduation /

Graduates of this international study program will be able to:

- acquire fundamental knowledge in profile horticultural subjects oriented to the international environment of horticultural production;
- be granted – after a successful defence of the final thesis and passing through the Final State Examination – the academic degree "Engineer" (MSc);
- be able to synthesize the gained knowledge and to apply in practice;
- fulfil requirements concerning their possible PhD-studies.



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

## Study structure /

- The master program in "International Master of Science in Horticulture" (MSc IHS) lasts four semesters (120 ECTS).
- The first semester of the programme is attended at the University of Agriculture in Krakow, Faculty of Horticulture.
- The second semester will be attended at the Mendel University, Faculty of Horticulture in Lednice.
- Third semester of the MSc IHS have to be attended at the Slovak University of Agriculture Nitra, Faculty of Horticulture and Landscape Engineering.
- Students have to choose from the pool of subjects offered by the partner universities, whereas some subjects are mandatory.
- The fourth semester is assigned to the preparation of the master thesis at home university.



## Admission Requirements /

Applicants to the programme have to meet the following requirements:

- completed BSc degree programme;
- admission committee may evaluate even graduates of similar degree programs;
- sufficient knowledge of the English language will be assessed by the interview in English during entrance exam.



University of Agriculture in Krakow  
Faculty of Biotechnology and Horticulture



Mendel University in Brno  
Faculty of Horticulture



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



**"Asking an artist to talk about his work is like asking a plant to discuss horticulture"**

*Jean Cocteau*