



## FACULTY OF AGROBIOTECHNICAL SCIENCES OSIJEK FACULTY OF ELECTRICAL ENGINEERING, COMPUTER SCIENCE AND INFORMATION TECHNOLOGY OSIJEK

UNIVERSITY OF OSIJEK | GRADUATE STUDY

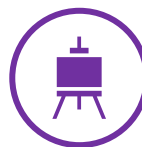
### MSc DIGITAL AGRICULTURE



Graduate University Study Programme in English language Digital Agriculture is organized by two Faculties at University of Osijek. It lasts for two years during which students must acquire at least 120 ECTS. Upon completion of the study, students gain the academic title Master of Agriculture (M. Sc. in Agriculture).



Students choose among two majors Crop Production and Animal Production. The study programme in the first year of the study is the same for both majors and contains 14 mandatory courses with a total of 60 ECTS credits. The study programme of the second year of the Plant Production major contains 11 mandatory courses (a total of 41 ECTS credits), while the study programme of the second year of the Animal Production major contains 10 mandatory courses (a total of 36 ECTS credits). The remaining ECTS credits are going to be achieved by students taking the courses selected from the list of 29 elective courses.



Elective courses are arranged in blocks to make it easier for students to make a complete choice in the direction of emphasizing certain competencies (e.g. in the field of bioeconomics or agricultural technology or computer science etc.). However, students will be able to choose the entire block with all the elective courses of a particular block or individual courses from the blocks without restriction, depending on their own preferences and competencies they want to emphasize.



 **Study in  
Croatia**

# Learning outcomes

of the knowledge, skills and abilities students should possess and can demonstrate upon completion of a study

Manage collected data and databases (design and model databases; big data management) in agricultural production

Compare the available hardware and software components of digital agriculture

Select the optimal agricultural technique for sustainable production in conventional and precision agriculture

Select available technological solutions, analytical methods and information technologies for analysis, forecasting and decision-making in agriculture

Design sustainable animal and plant production in optimal and specific socio-economic, environmental and technological conditions

Recommend the application of innovations in agriculture and the system and technologies of precision agricultural production

Create computer decision-making systems, models and simulations for the management and development of production technologies and agricultural systems



Osijek is situated in a Pannonian basin on the right bank of the Drava river. It is the largest city in Slavonia, and fourth by magnitude in Croatia. The city is an industrial, administrative, judicial and cultural centre and according to the population list from 2011, it currently has 108 048 residents on a wider area of the city. With 17 parks spanning over 394,000m<sup>2</sup>, Osijek is the greenest city in Croatia. Osijek is home to the only high school in the world that has two Nobel laureates, and as many as 37 members of Croatian Academy of Sciences and Arts.

Osijek and Rio de Janeiro have something in common - both cities have their own Copacabana. The famous Osijek beach is one of the city's trademarks, and summer without going to the popular Kopika is unthinkable for most Osijek residents.



The tuition fee for one year is 30,000 HRK (around 4000 EUR). More information about the program can be found on the <https://ict-agriculture.com/novi-studijski-program/>.

Find scholarships to finance your study at pages of Ministry of Science and Education (Croatia), or through the project [Huawei for Digital Slavonia](#).

Faculty of Agrobiotechnical Sciences Osijek is located at the University Campus, Vladimira Preloga 1, 31000 Osijek, Croatia

*Look deep into nature, and then you will understand everything better" Albert Einstein*



Website:  
<https://ict-agriculture.com>  
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