



## *Bachelor study programs*

*Nature's and humankind's problems through the eyes of satellites and drones*

# **Geographic Information Systems and Remote Sensing in Environmental Sciences**

*The program is taught in Czech or English, full time form of study*



## *Focus*

The utilization of the potential of spatial data for management of the current problems of water and drought in the landscape and biodiversity protection under the circumstances of the global climate change

## *Key courses*

Geographic information systems, Remote sensing, optional specialization in Ecology or Hydrology

## *Career profile*

The graduates can find employment both in private and state-funded institutions working in the environmental management, in particular as a spatial data analyst or at an entry level management post. In the private sector, the graduate can find employment e.g. in companies providing ecological monitoring or analyses, recultivation, landscape planning or in companies specializing directly in GIS and remote sensing. Last but not least, the graduates can act as freelance experts/consultants, whose services are currently much sought-after. Of course, the graduates can also opt for continuing in their Masters studies, for which they will be very well prepared.

## *Admission exam*

Individual interview

## *Guarantor*

Assoc. Prof. Petra Simova, Ph.D.  
Head of Department of Applied Geoinformatics and Spatial Planning

## *Appropriate follow-up Master's degree*

Geographic Information Systems and Remote Sensing (being prepared), Environmental Modelling, Applied Ecology

For up-to-date information about studies at FES, visit the faculty website:

<http://www.fzp.czu.cz/study>

## *Bachelor/Master programme applications*

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E-mail: [admission\\_fes@fzp.czu.cz](mailto:admission_fes@fzp.czu.cz)

Website: <https://www.fzp.czu.cz/en/>





## *Bachelor study programs*

*We are listening to the growing demand for specialists*

# **Environmental Engineering**

*The program is taught in English, full time form of study*

## **Focus**

The programme provides the students with a complex understanding of environmental protection with an emphasis on management of natural resources

## **Key courses**

Air Pollution, Soil Science, Environmental Chemistry

## **Career profile**

Graduates will be able to prepare management plans for natural resources, such as soil and water with a comprehensive understanding of the processes that contribute to global climatic change. Graduates will be competent at work in team-oriented jobs and at combining the results of different practical documentation such as spatial plans, management plans, EIA, SEA, conservation policy, or similar governmental and regulatory studies. They will learn to evaluate different levels of environmental pollution and to understand the implications of different parameters and (bio) indicators.

## **Admission exam**

Individual interview

## **Guarantor**

Assoc. Prof. Kristina Janečková Molnářová, Ph.D.  
Department of Land Use and Improvement

## **Appropriate follow-up Master's degree**

Landscape Planning, Nature Conservation, Environmental Geosciences

For up-to-date information about studies at FES, visit the faculty website:  
<http://www.fzp.czu.cz/study>

## **Erasmus+ students**

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