



# UNIVERSITY of DEBRECEN HUNGARY

Department of Physical Geography and Geoinformation Systems

We offer  
**MSc & PhD**  
International Programmes  
in Geoinformatics  
and Geography



## Remote Sensing

- ✓ Spaceborne and airborne imaging sensors
- ✓ Multispectral and hyperspectral technologies
- ✓ LiDAR applications



## UAS Photogrammetry

- ✓ High resolution multispectral survey
- ✓ Thermal monitoring
- ✓ Point Clouds and 3D modelling



## Cartography

- ✓ Efficient survey methods
- ✓ Laser Scanning
- ✓ UAVs, RTK GPS
- ✓ Modern GIS softwares
- ✓ 3D geovisualisation



## Agro GIS

- ✓ Precision agriculture
- ✓ Crop health monitoring
- ✓ Yield estimation



## Urban GIS

- ✓ Smart city applications
- ✓ GIS database management
- ✓ CAD systems
- ✓ Land cover change detection



Apply for...

## Master's Degree (MSc)

- ✓ Geography, MSc
- ✓ Specialized knowledge in geoinformatics
- ✓ Duration: 4 semesters

## Doctoral Degree (PhD)

- ✓ Earth Sciences, PhD
- ✓ High quality education in scientific research
- ✓ Duration: 8 semesters

## THE TECHNOLOGY OF THE 21<sup>ST</sup> CENTURY

## Stipendium scholarship

- ✓ Free tuition for the entire duration of studies
- ✓ Monthly grant and free medical insurance for students of Master or PhD program
- ✓ Contribution to accommodation

## Career Paths



### Research

Research and development, Innovation agencies, GIS expert, Data analyst, Research fellowship, PhD studies...



### Business

Precision agriculture, Disaster management, UAS surveyor, Water directorates, Forestry, Military...



### Academia

Doctor of geosciences, Lecturer in geography and geoinformatics, Post-doctoral researcher...



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