

# Masters Program in Geospatial Technologies

The International Masters Program (Master of Science, M.Sc.) in Geospatial Technologies is in cooperation of

- University of Münster (WWU), Institute for Geoinformatics (ifgi),
- Universitat Jaume I (UJI), Castellón, Spain, and,
- Universidade Nova de Lisboa (UNL), Instituto Superior de Estatística e Gestão de Informação (ISEGI), Lisboa, Portugal.

The Masters Program has been selected within the Erasmus Mundus Program of the European Commission (2007-0064/001 FRAME MUNB123). Scholarships for ~ 15-20 students and 3 scholars per year will be available.

## Study program:

The English three-semester Masters program will enrol up to 32 students per year.

- The first semester offers different learning paths, addressing the previous know-how and requirements of the students. The courses at UJI focus on the provision of know-how in informatics, new media, and GI basics. UNL provides modules in mathematics, data modelling, and GI basics.
- The second semester at the WWU provides basic and advanced courses in GIScience. In addition, courses in additional key competencies (project management, research methods) are provided. Optional for selected courses is the alternative attendance of a summer school.
- The Master thesis in the third semester is closely linked to ongoing research projects of one of the partners.

Based on the successful Master examination, the three universities will award the joint degree “Master of Science” (M.Sc.) with the adjunct “in Geospatial Technologies”.

## Study program overview:

### Semester 1 - Option A

**UJI**

Module 1: Informatics and Mathematics

Module 2: New technologies

Module 3: GI basics

### Semester 1 - Option B

**ISEGI**

Module 1: Mathematics and Statistics

Module 2: Data modeling

Module 3: GI basics

### Semester 2

**WWU**

Module 4: Fundamentals of GI Science

Module 5: Advanced topics in GI Science

Module 6: Core competences

### Semester 3

**UJI, ISEGI, WWU**

Master thesis

## Targeted audience:

The Masters program targets holders of a Bachelors degree with a qualification in application areas of Geographic Information (GI), e.g., environmental planning, regional planning, logistics/traffic, marketing, energy provision. GI is a rapidly growing market, lacking qualified GI personnel and offering excellent career chances. Therefore, the Masters Program targets life-long learning for graduates and professionals in the fields of geography, surveying, planning, local administration, etc., who are willing to acquire additional GI skills for applying them in their respective GI application area. Candidates who have already studied GI degrees will be given lower priority in admissions evaluation.

## Further information:

<http://geotech.uni-muenster.de>

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## CALL FOR SCHOLARSHIP APPLICANTS

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The Masters Program has been selected within the Erasmus Mundus Program of the European Commission (2007-0064/001 FRAME MUNB123). The following scholarships are open for applications:

- 15 third-country students, stipend covering the entire Masters Program (Sep 15, 2007 - Mar 15, 2009), 35.600 € in total, distributed in 22 periodic payments
- 3 third-country scholars, teaching and researching at the hosting university, 4 months (Sep-Jan 2008 at UJI and ISEGI, Apr-Aug 2009 at ifgi), 13.000 € in total, distributed in 5 periodic payments.

### Targeted audience - Students:

The Masters program targets holders of a Bachelors degree with a qualification in application areas of Geographic Information (GI), e.g., environmental planning, regional planning, logistics/traffic, marketing, energy provision. GI is a rapidly growing market, lacking qualified GI personnel and offering excellent career chances. Therefore, the Masters Program targets life-long learning for graduates and professionals in the fields of geography, surveying, planning, local administration, etc., who are willing to acquire additional GI skills for applying them in their respective GI application area. Bachelors already acquired similar qualification as offered in the Masters Program in Geospatial Technologies are discouraged from application.

### Targeted audience - Scholars:

UJI, ISEGI, and ifgi will host one scholar each. Scholars are supposed to do research in the context of ongoing research projects and teach within the study program of the hosting universities. Please check the respective homepage about the research and teaching activities - academic achievements and research and teaching experience in the field of GI Science are essential.

### Deadlines:

- Submission of applications: January 15
- Telephone interviews, Skype (only scholars): last week of January
- Pre-selection by the consortium: Feb 28, 2008
- Selection by the European Commission: End of May, 2008
- Notification: Beginning of June 2008

### Further information and application:

<http://geotech.uni-muenster.de>

#### Supported by:



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