

# Join the Master of Science in Sustainable Land Management



## BEcause

A country's physical land resources are a fundamental pillar of support for human life and welfare. Worldwide, population pressures and severe degradation, pollution and desertification problems are threatening this natural resource, and cause competition between agricultural or industrial purposes, urban planning and nature conservation. To guarantee a proper use and management of this basic commodity for a nation, well trained specialists are warranted and call for a high standard scientific and practical education.

The major **Land and Groundwater Management** aims at training researchers, academics, government staff and expert consultants in the inventory and detailed characterization of land capacity, and of groundwater in particular. The major **Urban Land Engineering** aims at training researchers, academics, government staff and expert consultants in the inventory and detailed characterization of land capacity, and of urban land in particular.



## BEcome

- ∞ A top-level researcher, industrial, academic or policymaker specifically trained in:
  - development and evolution of groundwater under natural conditions or following human interference (option Land and Groundwater Management)
  - urban hydrology and hydraulics, and the problem of sustainable mobility and logistics (option Urban Land Engineering)
- ∞ A world citizen with a large international network of (future) professionals as the programme is followed by nationals from different continents.

## BEnefit

The Master of Science in Sustainable Land Management offers:

- ∞ A top-rated programme, ranked first in recent programme evaluations by students
- ∞ A tailor-made curriculum with great flexibility in developing your programme.
- ∞ A research-based education policy that trains you to write and present a research proposal.
- ∞ A wide range of different teaching methods including field work, excursions, practical classes, PC-room classes, coached exercises, microteaching and classroom lectures.

## BE involved

### Semester 1 (Sept - Jan)

General courses on soil physics, hydrogeology, land information systems, statistics...at Ghent University

### Semester 2 (Febr - June)

Courses on sustainable development, climate change, scientific communication, geophysics, geotechnics...at Ghent University.

### Semester 3 (Sept - Jan)

Specialised courses in one of both main subjects:

- Land and Groundwater Management at Ghent University
- Urban Land Engineering at Vrije Universiteit Brussel

### Semester 3 & 4

Master dissertation at Ghent University or Vrije Universiteit Brussel.



## BEprep & BElong

Before the start of the academic year, the Faculty of Bioscience Engineering organises a **preparatory programme** to refresh your general knowledge of mathematics, chemistry, statistics and/or economics and laboratory experience: **BEPreP**. It's also a perfect moment to get acquainted with your fellow students, finish all the administrative burdens and get to know your new surroundings. Participants who successfully complete the programme will receive a certificate.

## Partners

- ∞ **PhD students and alumni**, involved as guest lectures and contributing to practical work, excursions and master dissertations as co-supervisor or tutor.
- ∞ A dense **network of collaborating universities**, research institutes and organisations that can act as host to the student and are largely involved in the research work.
- ∞ **North and South partners** for fieldwork and data collection (master dissertation or internships)

## Admission criteria

- ∞ Applicants must have a **Bachelor's degree of minimum 3 years** from a university or recognized equivalent. Good overall scores (at least a second class or equivalent, preferably higher) are recommended.
- ∞ Applicants are expected to have a basic science training in **physics, mathematics and chemistry**, and an overall academic education background in a relevant discipline, related to earth and environmental sciences.
- ∞ Applicants must be proficient in English. Several language certificates with as minimum level CEFR B2 are accepted. Check [the complete list](#) of accepted certificates.
- ∞ Students having successfully completed programme units in higher education with a minimum of 54 ECTS-credits where English was the language of instruction can request a waiver. A certificate that the language of instruction was English has to be submitted for institutions in countries where English is not the national language.



## Cost

- ∞ Tuition fee: fees are subject to annual revision. Please consult [ugent.be/tuitionfee](http://ugent.be/tuitionfee). Being an interuniversity programme, students of Sustainable Land Management only pay the standard tuition fee.
- ∞ Estimated living & accommodation expenses: min € 850 per month



## Scholarship opportunities

- ∞ Visit the [UGent website](#) or check for opportunities in your own country.

## Apply now!

Apply before **April 1st**  
(for applicants who need a visa)  
or before **June 1st** (for applicants  
who don't need a visa).

Questions?  
[applications.itc@ugent.be](mailto:applications.itc@ugent.be)



Please take into account that the processing time of your application could take up to 2 months. An early start is highly recommended.

V.U.: Ghent University, Faculty of Bioscience Engineering,  
Coupure links 653, B-9000 Ghent

*"After graduating, I experienced an increased efficiency in my day-to-day activities as an agricultural research officer in the fields of soil fertility, land evaluation, soil and water management, soil surveying and soil prospecting, resulting in an increased quality of service to our clients."*

Marco Mng'ong'o, Tanzania, graduated in 2017  
Agricultural researcher, Uyole Agricultural Research Institute, Tanzania

## Contact & info

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[applications.itc@ugent.be](mailto:applications.itc@ugent.be)

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