

# MASTER OF SCIENCE IN TECHNOLOGY FOR INTEGRATED WATER MANAGEMENT (ADVANCED MASTER)

Organised jointly by University of Antwerp and Ghent University • Partner institution: Antwerp Maritime Academy

60 ECTS CREDITS – LANGUAGE: ENGLISH – DEGREE: MASTER OF SCIENCE

## COURSE CONTENT

The main objective of this interuniversity study programme between Ghent University and the University of Antwerp, is the education of specialists in water technology with thorough understanding of integrated water management and policy, the latest developments in the water sector and challenging global water issues.

The programme focuses on:

- The interaction between classical technology and ecological engineering;
- A thorough knowledge of the functioning of the whole water system;
- Innovative and integrated solutions to all types of water management problems;
- Real life applications, projects and the many uses of our water systems through close collaboration with companies, research institutes and governments.

This interdisciplinary approach provides the opportunity to gain in-depth knowledge of water technology as the combination of fundamental and applied sciences, which makes this advanced master unique in the world.

## COURSE STRUCTURE

The study programme consists of ten modules (or course units) divided over three parts offering the student a certain freedom of choice.

- The **introduction** contains introductory notions and concepts. These compulsory modules are organised during the first three weeks of the academic year.
- The **in-depth specialisation** consists of a self-selected study package until a total of 18 credits is reached.
- The **integration** is made up of an integrated course, an integrated case study and a master's dissertation.

We teach in an interactive, practical way. You are expected to actively participate in class discussions, analyse cases, prepare presentations, report by means of group papers and engage in computer-assisted exercises. All courses focus on the practical application of concepts in real life. Research groups in the faculties, centres and institutes concerned are closely involved in the programme. In each course, you will analyse real life cases.

You will follow courses at the campuses of University of Antwerp, Ghent University and the Antwerp Maritime Academy. This allows you to get acquainted with several research groups and benefit from different types of infrastructure and facilities.

## CAREER PERSPECTIVES

Integrated Water Management is one of the major challenges of the 21st century. The demand for integrated competences usable in water-related research and development increases worldwide. The Advanced Master of Technology for Integrated Water Management is an excellent preparation for an exciting career in research, global business, consulting or government.

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## TOELATINGSVOORWAARDEN VOOR HOUDERS VAN EEN VLAAMS DIPLOMA

### Rechtstreeks:

- masterdiploma  
in de volgende studiegebieden:
  - Wetenschappen
  - Toegepaste biologische wetenschappen
  - Toegepaste wetenschappen
  - Nautische wetenschappen
- opleiding(en) oude structuur:*
  - academisch tweedecyclusdiploma
  - einddiploma van het hoger onderwijs van de tweede cyclus
  - einddiploma voortgezette (academische) opleiding  
in de volgende studiegebieden:
    - Wetenschappen
    - Toegepaste biologische wetenschappen
    - Toegepaste wetenschappen
    - Nautische wetenschappen

### Na geschiktheidsonderzoek:

- ander masterdiploma  
*opleiding(en) oude structuur:*
  - ander academisch tweedecyclusdiploma
  - ander einddiploma van het hoger onderwijs van tweede cyclus
  - ander einddiploma voortgezette (academische) opleiding

### TAAL

Je voldoet aan de taalvoorwaarden op basis van je Vlaams diploma.

## PRAKTISCHE INFORMATIE

### Studieprogramma:

<https://studiegids.ugent.be>

> faculteiten > opleidingstypes > ga naar de opleiding van je keuze

### Infomomenten

**Masterbeurs** - [www.ugent.be/masterbeurs](http://www.ugent.be/masterbeurs)

### Studiegeld

Meer informatie vind je op: [www.ugent.be/studiegeld](http://www.ugent.be/studiegeld)

Zie ook: [www.itc.ugent.be](http://www.itc.ugent.be)

## ADMISSION REQUIREMENTS FOR INTERNATIONAL DEGREE STUDENTS

For programme specific academic and language requirements consult [www.ugent.be/bw/en/education/master-programmes](http://www.ugent.be/bw/en/education/master-programmes).

## PRACTICAL INFORMATION

### Study programme

[www.ugent.be/coursecatalogue](http://www.ugent.be/coursecatalogue)

> by Faculty > Programme types > select your programme

### Application deadline for international degree students:

For programme specific application procedures and deadlines consult [www.ugent.be/bw/en/education/master-programmes](http://www.ugent.be/bw/en/education/master-programmes).

### Enrolling institution

Ghent University or University of Antwerp

### Tuition fee

More information is to be found on: [www.ugent.be/tuitionfee](http://www.ugent.be/tuitionfee) and on [www.itc.ugent.be](http://www.itc.ugent.be)

### Contact

Ghent University - Faculty of Bioscience Engineering

International Training Centre

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[www.itc.ugent.be](http://www.itc.ugent.be)

[www.watertechnology.be](http://www.watertechnology.be)

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

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