

# 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 Advanced Master of Technology for Integrated Water Management has been conceived as an interuniversity and internationally oriented master in the specialised field of water technology as a contribution to sustainable, integrated water management.

The study programme offers a multidisciplinary educational package in which knowledge and expertise from various disciplines is integrated: ecological and biosciences, environmental sciences, engineering sciences and nautical sciences. The master aims at providing specialist, academic knowledge and competences about the functioning of the water system as well as technological applications. This will enable graduates to bring about technological solutions and to integrate them into water policy and management in various fields all over 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** (part 1) contains introductory notions and concepts. These compulsory modules are organised during the first three weeks of the academic year.

The **in-depth specialisation** takes place in part 2 consisting of seven modules. The student composes a self-selected study package until a total of 18 credits is reached.

The integration (part 3) is made up of an integrated course, an integrated case study and a master's dissertation.

## CAREER PERSPECTIVES

Integrated Water Management is called the challenge for the 21st century. Worldwide an increase can be seen in the demand for integrated competences, usable in water-related R&D. Research institutions, global businesses, specialised companies, consultancies and government institutions are feeling the need for highly qualified professionals in water technology, with the right skills for integrated water management.

# MASTER OF SCIENCE IN TECHNOLOGY FOR INTEGRATED WATER MANAGEMENT

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

## 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

Voor master-na-masteropleidingen gelden specifieke bedragen.

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

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

### Contact

Ghent University - Faculty of Bioscience Engineering

International Training Centre

Coupure Links 653 - 9000 Gent

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

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

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

# MASTER OF SCIENCE IN TECHNOLOGY FOR INTEGRATED WATER MANAGEMENT

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

## ADMISSION REQUIREMENTS FOR INTERNATIONAL DEGREE STUDENTS

Each application will be evaluated by a board of admission of the specific programme and has to be approved by the Faculty Council and by the Rector's office.

### Entry conditions:

Applicants must have a master's degree.

### Specific academic requirements:

Applicants must have a master's degree in a relevant field, preferably in Nautical Sciences, Applied Biological Sciences, Applied Sciences or Sciences. All other masters are subject to evaluation following the assessment of the student's aptitude and ability to follow the study programme.

### LANGUAGE

The applicant must be proficient in English. More details on the requirements at [www.itc.ugent.be](http://www.itc.ugent.be).

## 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:

Consult [www.itc.ugent.be](http://www.itc.ugent.be) for programme specific application procedures and deadlines.

### Enrolling institution

Ghent University or University of Antwerp

### Tuition fee

Separate amounts apply.

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

### Contact

Ghent University - Faculty of Bioscience Engineering

International Training Centre

Coupure Links 653 - 9000 Gent

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

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

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

Last update: January 2017