

# MASTER OF SCIENCE IN MARINE AND LACUSTRINE SCIENCE AND MANAGEMENT

PROGRAMME JOINTLY OFFERED BY GHEENT UNIVERSITY, UNIVERSITEIT ANTWERPEN, VRIJE UNIVERSITEIT BRUSSEL

MAJORS: EARTH SYSTEM SCIENCES/ MARINE AND LACUSTRINE GEOSCIENCES - ENVIRONMENTAL IMPACT AND REMEDIATION - CONSERVATION BIOLOGY AND ECOSYSTEM MANAGEMENT - GLOBAL CHANGE IMPACTS ON ECOLOGY AND BIODIVERSITY

120 ECTS CREDITS - LANGUAGE: ENGLISH

## WHAT

The two-year Marine and Lacustrine Science and Management (Oceans & Lakes) programme appeals to students with a background in sciences. Oceans & Lakes is an interuniversity programme. It provides students a strong fundamental and applied knowledge and prepares them for an active role in scientific research and the management of marine and lacustrine systems. The programme adopts a multidisciplinary approach by integrating physical, chemical, geological, ecological and societal aspects and including nature conservation and sustainable development.

- play a key role in outstanding scientific marine and lacustrine research;
- provide advice on the management of and an integrated concept and view on marine and lacustrine systems;
- become critically-minded, problem-solving and communicative scientists.

## STRUCTURE

Our programme emphasises on skills acquisition, both in marine and lacustrine research and management. It requires full-time attendance and active participation in lectures and practical exercises, visits to marine research centres, field trips and excursions.

The curriculum comprises four parts: (i) general course units (39 credits) with compulsory course units covering disciplines which are considered as essential knowledge for a marine and lacustrine scientist; (ii) elective course units (21 credits): in-depth as well as broadening course units, and supporting course units; (iii) a choice of four specialist majors (30 credits each):

- Global Change Impacts on Ecology and Biodiversity;
- Conservation Biology and Ecosystem Management;
- Environmental Impact and Remediation;
- Marine and Lacustrine Geosciences

And last but not least, (iv) the Master's dissertation takes up another thirty credits and consists of an individual research project related to ongoing research in one of the associated research groups. Students choose a dissertation topic that is in line with their choice of major.

A three- to four-week professional work placement allows our student to gain professional experience in marine- and lacustrine-related fields. In addition to classes, fieldwork is an essential part of the curriculum. In order to prepare the students to perform well in an international professional context, all lectures and course materials are in English. International students enrolling in the programme should have a solid knowledge of English.

## LABOUR MARKET

Oceans & Lakes prepares students to:

- become a multidisciplinary scientist who thinks and works across fields and disciplines;

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## TOELATINGSVOORWAARDEN VOOR HOUDERS VAN EEN VLAAMS DIPLOMA

### 1 Rechtstreeks:

- Bachelor in de bio-ingenieurswetenschappen
- Bachelor in de biochemie en de biotechnologie
- Bachelor in de biologie
- Bachelor in de chemie
- Bachelor in de geografie
- Bachelor in de geografie en de geomatica
- Bachelor in de geologie

### 2 Na onderzoek van de bekwaamheid van de student om de opleiding te volgen:

- Een diploma van een bacheloropleiding in het academisch onderwijs binnen het studiegebied Toegepaste Wetenschappen
- Een diploma van een bacheloropleiding in het academisch onderwijs binnen het studiegebied Wetenschappen

### 3 Na het met succes voltooien van een voorbereidingsprogramma:

#### MIN 3 SP - MAX 90 SP

- Een diploma van een bacheloropleiding in het academisch onderwijs binnen het studiegebied Toegepaste Wetenschappen
- Een diploma van een bacheloropleiding in het academisch onderwijs binnen het studiegebied Wetenschappen

## ADMISSION REQUIREMENTS FOR INTERNATIONAL DEGREE STUDENTS

Applicants must have a relevant bachelor's degree of minimum 3 years with good overall scores (at least upper second class or equivalent) from a university or recognised equivalent.

Information on admission requirements and the administrative procedure for admission on the basis of a diploma obtained abroad, can be found on the following pages: [www.oceansandlakes.be](http://www.oceansandlakes.be), [www.ugent.be/prospect/en/administration/enrolment-or-registration](http://www.ugent.be/prospect/en/administration/enrolment-or-registration) or contact [oandl@vub.ac.be](mailto:oandl@vub.ac.be) (secretariat); [kvpuyvel@vub.ac.be](mailto:kvpuyvel@vub.ac.be) (coordination).

#### Additional information:

Oceans and Lakes is open to holders of a bachelor's degree in biology, biochemistry, biotechnology, chemistry, geology, geography and geomatics, bio-engineer science or environmental sciences. For other bachelors in science and applied science, equivalency will be evaluated based on scientific competences and skills of the students by the

Oceans and Lakes Steering Committee.

Applicants must have a bachelor's degree of minimum 3 years with good overall scores (at least upper second class or equivalent) from a university or recognized equivalent.

## LANGUAGE REQUIREMENTS

Language requirements Dutch: no language requirements  
English: CEFR level B2

The language requirements for this study programme can be found on: [www.ugent.be/languagerequirements](http://www.ugent.be/languagerequirements)

## PRACTICAL INFORMATION

### Study programme

[studiekiezer.ugent.be/master-of-science-in-marine-and-lacustrine-science-and-management-en/programma](http://studiekiezer.ugent.be/master-of-science-in-marine-and-lacustrine-science-and-management-en/programma)

### Information sessions

#### Graduation Fair

[afstudeerbeurs.gent/en/students/further-studies](http://afstudeerbeurs.gent/en/students/further-studies)

### Enrolling institution

Vrije Universiteit Brussel

Information on enrolment at Ghent University.

### Application Deadline (for International degree students)

International Course Programme (VLIR-UOS ICP programme). Before the application can be started up, you need to be pre-academically selected by the programme coordinator. Belgian students with an appropriate bachelor's degree may register throughout the year. Please notify the coordinator in advance. For specific application procedures and deadlines consult [www.oceansandlakes.be](http://www.oceansandlakes.be).

### Tuition fee

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

### Contact

#### Ghent University

Prof. dr. Ann Vanreusel

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