

# MASTER IN MARINE AND LACUSTRINE SCIENCE AND MANAGEMENT

MAJORS: GLOBAL CHANGE IMPACTS ON ECOLOGY AND BIODIVERSITY • CONSERVATION BIOLOGY AND ECOSYSTEM MANAGEMENT  
• ENVIRONMENTAL IMPACT AND REMEDIATION • EARTH SYSTEM SCIENCES

International Course Programme (ICP): Organised jointly by Ghent University (UGent), Vrije Universiteit Brussel (VUB) and University of Antwerp (UA)

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

## COURSE CONTENT

The two-year programme Master in Marine and Lacustrine Science and Management (Oceans & Lakes) addresses 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 the scientific research and management of marine and lacustrine systems.

The programme adopts a multidisciplinary approach integrating physical, chemical, geological, ecological and societal aspects and including nature conservation and sustainable development.

## COURSE STRUCTURE

The programme puts strong emphasis on acquiring skills, 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 centers, field trips and excursions.

The course programme consists of four parts:

General courses (39 credits) with compulsory courses covering disciplines which are considered as essential knowledge for a marine and lacustrine scientist.

Elective courses (21 credits): in depth-courses, broadening courses and supporting courses.

One Major (30 credits) to choose out of four specialisations:

- Global change impacts on ecology and biodiversity
- Conservation biology and ecosystem management
- Environmental impact and remediation
- Marine and Lacustrine Geosciences.

The master's dissertation stands for 30 credits and consists of an individual research project related to ongoing research in one of the associated research groups. You choose a subject related to your major module.

A professional internship of three to four weeks allows the student to get professional experience in marine and lacustrine related fields. In addition to classes, fieldwork is an essential part of the programme.

In order to prepare the students to function well in an international professional context, all lecturers and course materials are in English. International students enrolling in the programme should have a good knowledge.

## CAREER PERSPECTIVES

Oceans & Lakes trains students in:

- becoming a multidisciplinary scientist who thinks and works across fields and disciplines;
- playing a key role in high quality scientific marine and lacustrine research;
- providing advice in management and an integrated concept and view on marine and lacustrine systems;
- becoming critically minded, problem-solving and communicative scientists.

# MASTER IN MARINE AND LACUSTRINE SCIENCE AND MANAGEMENT

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

2018–19

WE12

## TOELATINGSVOORWAARDEN VOOR HOUDERS VAN EEN VLAAMS DIPLOMA

### Rechtstreeks:

- Ba biologie
- Ba biochemie en biotechnologie
- Ba chemie
- Ba geografie
- Ba geografie en geomatica
- Ba geologie
- Ba bio-ingenieurswetenschappen

### Na geschiktheidsonderzoek en/of via voorbereidingsprogramma: (max. 90 studiepunten)

- andere bachelors in (studiegebied) wetenschappen
- andere bachelors in (studiegebied) toegepaste wetenschappen

### 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)

### Contact

Ghent University – Faculty of Sciences  
Marine Biology Section  
Prof. dr. Ann Vanreusel  
Campus Sterre, Krijgslaan 281-S8, B-9000 Gent  
T +32 (0)9 264 85 21 - [www.oceansandlakes.be](http://www.oceansandlakes.be)

Vrije Universiteit Brussel - Secretariat Oceans and Lakes  
Melissa Ferré, Pleinlaan 2, Building F 8th floor, B-1050 Brussels  
T +32 (0)2 629 34 02  
[oceansandlakes@vub.ac.be](mailto:oceansandlakes@vub.ac.be)

# MASTER IN MARINE AND LACUSTRINE SCIENCE AND MANAGEMENT

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

2018–19

WE12

## ADMISSION REQUIREMENTS FOR INTERNATIONAL DEGREE STUDENTS

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

More information regarding the required knowledge of English:  
[www.oceansandlakes.be](http://www.oceansandlakes.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

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 programme specific application procedures and deadlines consult  
[www.oceansandlakes.be](http://www.oceansandlakes.be)

### Enrolling institution

#### Vrije Universiteit Brussel

In case the application for the Master of Marine and Lacustrine Science and Management is approved by the steering committee of Oceans & Lakes and the applicant meets the academic requirements, you will receive a letter of admission from Vrije Universiteit Brussel, which is requested for registration.

### Tuition fee

More information at:  
[www.oceansandlakes.be](http://www.oceansandlakes.be)

### Contact

Ghent University – Faculty of Sciences  
Marine Biology Section  
Prof. dr. Ann Vanreusel  
Campus Sterre, Krijgslaan 281-S8, B-9000 Gent  
T +32 (0)9 264 85 21 - [www.oceansandlakes.be](http://www.oceansandlakes.be)

Vrije Universiteit Brussel - Secretariat Oceans and Lakes  
Melissa Ferré, Pleinlaan 2, Building F 8th floor, B-1050 Brussels  
T +32 (0)2 629 34 02  
[oceansandlakes@vub.ac.be](mailto:oceansandlakes@vub.ac.be)

Last update: January 2018