INTERNATIONAL MASTER OF SCIENCE IN MARINE BIOLOGICAL RESOURCES (APPLIED MARINE ECOLOGY AND CONSERVATION)

PROGRAMME JOINTLY OFFERED BY GHENT UNIVERSITY, UNIVERSITY OF ALGARVE, GALWAY-MAYO INSTITUTE OF TECHNOLOGY, UNIVERSITY OF OVIEDO, UNIVERSITY PIERRE ET MARIE CURIE (UPMC), UNIVERSITY OF THE BASQUE COUNTRY, UNIVERSITÀ POLITECNICA DELLE MARCHE, UNIVERSITY OF BERGEN, UNIVERSITÉ DE BRETAGNE OCCIDENTALE / UNIVERSITÉ DE BREST, SORBONNE UNIVERSITÉ

120 ECTS CREDITS - LANGUAGE: ENGLISH

FACULTY OF SCIENCES

2021-22

WHAT

The International Master in Marine Biological Resources (IMBRSea), is a joint Master's programme organized by ten leading European universities in the field of marine sciences; Ghent University (BE), Sorbonne Université (FR), Université Côte d'Azur (FR), University of the Algarve (PT), University of Oviedo (ES), Galway-Mayo Institute of Technology (IE), University of the Basque Country (ES), Polytechnic University of Marche (IT), University of Bergen (NO), and Université de Bretagne Occidentale (FR). It is supported by fourteen Marine Research Institutes belonging to the European Marine Biological Resource Centre (EMBRC).
Based on the objectives of the EMBRC consortium, IMBRSea covers a wide, yet consistent, range of subjects related to the sustainable use of marine biological resources. With an emphasis on marine biological and ecological processes, the programme links biology of marine organisms and environmental studies with subjects in marine policy and planning.

STRUCTURE

IMBRSea is a two-year, 120 ECTS study programme that starts with a first semester of courses within the fundamental modules in which students gain the core competences required for starting any of the five specialization tracks of the programme. This first semester is offered by Ghent University, University of the Algarve, Université de Bretagne Occidentale and University of Oviedo. During the second and the third semester, the students follow two thematic modules, leading to one of the five specialization tracks are defined according to the EU Horizon2020 Blue Growth innovation challenges:

- Marine food production led by Galway-Mayo Institute of Technology, University of the Basque Country, University of the Algarve, University of Bergen;
- Management of living marine resources led by University of Oviedo, University of the Algarve, Galway-Mayo Institute of Technology, University of Bergen;
- Applied marine ecology and conservation led by Ghent University, Polytechnic University of Marche, Galway-Mayo Institute of Technology, Sorbonne Université, University of Bergen;
- Marine environment health led by Polytechnic University of Marche, University of the Basque Country, University of the Algarve and Sorbonne Université;
- Global ocean change led by Sorbonne Université, Ghent University and University of Bergen.

IMBRSea offers, besides a wide variety of courses in the thematic modules, also a series of jointly developed activities. In the second half of the second semester, students will gain authentic experience during six weeks of professional practice offered by potential future employers.
During a joint school students from the same cohort will come together for programme-wide training on multi-disciplinary topics. During the last semester students have the opportunity to develop an individual thesis research project, tailored to their personal interests.
This research project is presented on the IMBRSea Annual Symposium which unites both first and second year students, as well as future employers and interested stakeholders.

Programme mobility

The students will live and study in at least two European cities and will receive a Joint degree signed by the ten European universities. Students will choose in the first year among four universities – Ghent, Algarve, Bretagne Occidentale and Oviedo – which are offering in the first semester mainly the basic multidisciplinary courses. From the second semester onwards, students choose from one of the five specialisation tracks. In the second and third semester, they follow two thematic modules. All students undertake their thesis work during the fourth semester, at one of the IMBRSea partners or members of the consortium.

LABOUR MARKET

The EU-Marine Strategy provides an integrated framework for analysing relevant community policies' contributions to the protection of and the impact on the marine environment. This EU-Strategy is the basis for the national European authorities and policies at the one hand and is the basis for debate at the global scale regarding policies for Nature

INTERNATIONAL MASTER OF SCIENCE IN MARINE BIOLOGICAL RESOURCES (APPLIED MARINE ECOLOGY AND CONSERVATION)

120 ECTS CREDITS - LANGUAGE: ENGLISH

FACULTY OF SCIENCES

2021-22

protection and Conservation in general. The IMBRsea masters will be well trained to operate immediately within these policy environments. Most of them will use this master as a basis for PhD research. Masters and post-docs specialised in marine biological resources can help in the implementation of the strategies for future sustainable use of the natural marine resources taking into account the natural ecological background of the ecosystems. The added value for IMBRsea masters will be that they can operate on a global scale since there is no restriction in the programme regarding types of biotopes (going from the coast to the deep sea and from poles to poles).

INTERNATIONAL MASTER OF SCIENCE IN MARINE BIOLOGICAL RESOURCES (APPLIED MARINE ECOLOGY AND CONSERVATION)

120 ECTS CREDITS - LANGUAGE: ENGLISH

FACULTY OF SCIENCES

2021-22

ADMISSION REQUIREMENTS FOR INTERNATIONAL DEGREE STUDENTS

The course is open to students with at least a bachelor's (or master's) degree in biology, ecology, environmental sciences, oceanography, marine sciences, geography, geology, or other equivalent degrees with minimum 180 credits.

Information on admission requirements and the administrative procedure for admission on the basis of a diploma obtained abroad, can be found on the following page: www.ugent.be/prospect/en/administration/enrolment-or-registration.

LANGUAGE REQUIREMENTS

Language requirements Dutch: no language requirements

Language requirements for this study programme differ from the required standard level for English taught study programmes as specified in the Ghent University Education and Examination Code:
English: TOEFL 570 (paper-based) - TOEFL 87 (internet-based) - IELTS: 6.5 - UCT-attest (Niveau B2)

PRACTICAL INFORMATION

Study programme

studiekiezer.ugent.be/international-master-of-science-in-marine-biological-resources-applied-marine-ecology-and-conservation-en/programma

Information sessions

Graduation Fair

afstudeerbeurs.gent/en/students/further-studies

Enrolling institution

Ghent University, University of Algarve, University of Bergen, Università Politecnica delle Marche, Galway-Mayo Institute of Technology, University Pierre et Marie Curie (UPMC), Université de Bretagne Occidentale / Université de Brest, University of the Basque Country, University of Oviedo

www.imbrsea.eu

Tuition fee

More information is to be found on: www.ugent.be/tuitionfee

Contact

dr. Tim Deprez
Prof. dr Ann Vanreusel
T +32 (0)9 264 85 26
imbrsea@ugent.be

www.imbrsea.eu

GHENT UNIVERSITY

Printed on 19 July 2025