





Master Marine Biology



Contacts

- [http:// www.rug.nl/masters/marine-biology](http://www.rug.nl/masters/marine-biology)
- <http://www.rug.nl/research/marine-benthic-ecology-and-evolution> 
- <http://www.rug.nl/research/marine-evolution-and-conservation>
- <http://www.rug.nl/research/ocean-ecosystems> 



university of
 groningen

Master Programme Marine Biology

The new two-years Marine Biology Master deals mostly with the adaptation of marine systems and organisms to a changing world through the lens of ecology, ecophysiology and evolution. Also Marine Resource utilization is included in the curriculum. The programme is taught by several research groups in Marine Biology at the University of Groningen in co-operation with the Royal Netherlands Institute for Sea Research (Texel, Yerseke)

We provide an initial block of introductory master courses dealing with the principles of Marine Biology. This block is followed by a more specialized set of facultative Marine Biology modules. Both blocks include attractive courses with strong field elements:

- The initial block includes excursions to the Wadden Sea
- (Schiermonnikoog, NIOZ Texel) and Sweden (Gullmar Fjord)
- Mediterranean rocky shores(Corsica)
- Marine pelagic vertebrate field methods (Cap Verde Archipelago)

Theoretical facultative courses include polar ecosystems, meta analysis in marine ecology, population modeling & inference in marine systems and more.

Research opportunities for Master Projects

There are plenty of opportunities no matter if you choose the Marine Biology Research profile or the Science, Business and Policy profile (P- or M-variant, see Biology Master Study guide). You can design your own study programme to fit your personal preferences.

Possible Marine Biology research opportunities are:

- Climate change research on pelagic food webs (Polar and North Sea research)
- Conservation of marine vertebrates (global issues for marine mammals and other top predators as well as marine conservation more generally)
- The function of coastal food webs (Wadden Sea and Baltic Sea research)
- Marine applications (biomimetics, algal applications)

Admission

An academic Bachelor's degree in any field of biological sciences*. This includes, but is not restricted to, ecology, evolution, physiology, genetics, molecular biology, microbiology, theoretical biology and behavior.

Students entering with no specific marine biological background will need to follow the set of Introductory core courses.

The new MSc programme is research focused. Although there are no official requirements with respect to grades, candidates are encouraged to have a strong quantitative background in, e.g., analytical statistics, data processing, programming, or other hard skills.

*Interested candidates with a background in other fields such as chemistry, physics, engineering, economics, or other cross disciplines will be considered but will need to contact the admissions committee to discuss their particular case.

<i>Study Elements</i>	<i>Credits</i>
Principles of Biological Oceanography, Marine Biology & Ecology and Marine Conservation (compulsory master courses)	15 EC
facultative courses and electives (See http://www.rug.nl/masters/marine-biology and Biology Master Study guide)	≤ 25 EC
research project 1 (Intern = RUG or Royal NIOZ, Texel/Yerseke)	40 or ≥ EC
research project 2 (free to choose)	30 or ≥ EC
essay	5 EC
colloquium	5 EC
<i>total</i>	<i>120 EC</i>