

# Marine Sciences Study programme

More info:



[study.wur.eu](http://study.wur.eu)



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**Year 1**

**Courses in nature, society, food and research**

**Project**

**Year 2**

**Courses in nature, society, food and research**

**Project**

**Year 3**

**Electives**

**Courses in nature, society,  
food and research**

**Project**

**Thesis**

Electives: Follow your own interests, in the Netherlands or abroad.

Thesis: Conduct a scientific research project on a marine topic that fascinates you.



**WAGENINGEN**  
UNIVERSITY & RESEARCH

## Marine Sciences courses

### Environment and Ecology

- Ecology I
- Marine Ecology
- Global Water Systems and Climate Change
- Global Marine Compounds, Flows and Cycles

### Society

- Marine and Coastal Governance
- Introduction to Law
- Marine Economics

### Biology

- Fundamentals of Genetics
- Marine Life
- Introduction to Cell Biology
- Life History of Aquatic Organisms
- Aquaculture and Fisheries

### Research Methods

- Research Methodology for Human Environment Interactions
- Introduction Geo-information Science
- Geo-information Tools
- Research Methods for Marine Sciences
- Boundary Crossing and Personal Leadership
- Mathematics 1/Statistics 1
- Mathematics 2
- Statistics 2

### Combination

- Introduction to Marine Sciences
- Marine Food Systems
- Projects

## Collaboration and personal development

Creating innovative solutions for marine challenges is a joint effort. That is why you will learn to **collaborate** with people from diverse cultures and disciplines. You will also explore **your ambitions and strengths**, and discover **your own role** in marine sciences. You will build on these skills throughout your bachelor's degree and apply them in projects.

## Projects

At the end of each year, you will combine everything you learned, and apply it to a real-life case. There are three projects:

### • Year 1: Field Project Marine Sciences

You will visit the island of Texel to investigate local marine problems. Together with your fellow students, you will study the impact of pollution, climate change or tourism on ecology and society.

### • Year 2: Evaluation and Design of Marine Nature Based Solutions

You will get inspired by nature to design marine solutions for societal problems. How can we defend our coasts against sea level rise, how can we restore coral reefs or produce sustainable energy at sea? You will end the course by designing your own imaginary island.

### • Year 3: Assessment of Marine Nature Based Solutions

You will learn from Nature Based Solutions from the past and present, and evaluate plans for the future. You will do this partly during excursions. What makes these solutions a success? You will use ecological, technical and economic viewpoints.

## Career

After Marine Sciences you can continue in the master's Aquaculture and Marine Resource Management. But you can also choose other masters, such as Environmental Sciences, Water Management and many more. What jobs can you do after the master Aquaculture and Marine Resource Management?

Read stories of professionals in the [career booklet](#)

