



# MASTER OF SCIENCES, TECHNOLOGIES AND HEALTH - BIOTECHNOLOGIES JOINT MASTER PROGRAMME IN MARINE BIOTECHNOLOGY

## IDENTITY CARD

- > Domain : Sciences, Technologies and Health
- > Full time course
- > Accessible en [Validation des Acquis \(VAE\)](#)
- > [120 ECTS credits](#)
- > 4 semesters
- > Course taught in English



## REGISTRATION

<https://www.univ-larochelle.fr/formation/admission-inscription-et-scolarité/candidatures-et-inscriptions/candidater-universite-la-rochelle/>

## CONTACT

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## OBJECTIVES

## PROGRAMME

● Mandatory ■ Course option

### > Semester 1

#### > Blue Biotechnology Business and R&D Management I ●

- Blue Biotechnology Business and R&D Management 1

#### > Culture Collection and Biobanks ●

- Culture Collection and Biobanks

- > **Genomics, Proteomics and Metabolomics for Marine Biodiversity Prospecting** ●
  - Genomics, Proteomics and Metabolomics for Marine Biodiversity Prospecting
- > **Marine Biodiversity for Marine Natural Products** ●
  - Marine Biodiversity for Marine Natural Products
- > **Marine Microbiome and Metagenomics** ●
  - Marine Microbiome and Metagenomics
- > **Semester 2**
- > **Bioactivity Screening** ●
  - Bioactivity Screening
- > **Blue Biotechnology Business and R&D Management II** ●
  - Blue Biotechnology Business and R&D Management 2
- > **Chemical Libraries** ●
  - Chemical Libraries
- > **Marine Natural Products: Classes, Biological activity and Biosynthesis** ●
  - Marine Natural Products: Classes, Biological Activity and Biosynthesis
- > **Work Placement** ●
  - Work Placement (8 weeks)
- > **Semester 3**
- > **Academic Research Integration** ●
  - Academic Research Integration
- > **Aquaculture Biotechnology** ■
  - Advanced Breeding Programmes
  - Aquaculture Systems and Seafood Processing
  - Health and Welfare in Aquaculture
  - Nutrigenomics and Fish
- > **Blue Biomass** ■
  - Bioreactor Design and Management
  - Microalgal Biotechnology
  - Microbial Biomass and Metabolite Production
  - Seaweed Production
- > **Innovative Bioproducts for the Future** ■
  - Advanced Characterisation Methods for Marine Natural Products Identification
  - Biological Profiling of Marine Natural Products
  - Marine Natural Products for Health, Wellness and Food
  - Optimisation of Marine Natural Products
- > **Marine Biorefinery** ■
  - Developing Biorefinery Processes
  - Functionalisation of Marine Derived Biomaterials
  - Marine Biomass Functional Ingredients Extraction
  - Marine Whole-Cell Factories

## > Semester 4

### > Work-Based Learning •

- Work Placement (24 weeks)

## AFTERWARDS

Information subject to change

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