





MSC ENVIRONMENTAL SCIENCES PROGRAMME ENVIRONMENTAL MANAGEMENT AND COASTAL ECOLOGY

IDENTITY CARD

- > Domain : Sciences, Technologies and Health
- > Full time course
- > [Continuing Education](#)
- > [Master of Engineering](#)
- > [120 ECTS credits](#)
- > 4 semesters
- > Course partly taught in English
- >  La Rochelle

 - 1 month to access the first job
according to a study conducted 18 months after graduation

REGISTRATION

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

CONTACT

Site Sciences et Technologies
Avenue Michel Crépeau
17042 La Rochelle cedex 1
Phone : +33 (0)5 46 45 82 59
Web :
Email : contact_sciences@univ-lr.fr

OBJECTIVES

> Presentation

“ Do you have a background as a biologist and a sensitivity to international issues ? The Master's degree in Environmental Sciences teaches you to understand complex research or social issues related to the integrated management of natural and coastal areas in particular.

It allows you to acquire specific knowledge and skills oriented towards the sustainable management of human ecosystems through the Environmental Management and Coastal Ecology (GEEL) programme.

You will also develop useful interpersonal skills in the professional world, including the ability to listen to specialists in related or complementary disciplines.



Benoit Simon-Bouhet (M1)



Vincent Le Fouest (M2)

✓ ADMISSION

> Your profile

You have a Bac+3, Bac+4 or equivalent (minimum 180 ECTS).

> How to apply ?

In the 1st year of the Master's degree, the selection of candidates is made on the basis of their application documents.

How to apply to the [1st year of the Master's](#)

How to apply to the [2nd year of the Master's](#)

📄 PROGRAMME

● Mandatory ■ Course option

> Semester 1

> Mise à niveau pluridisciplinaire ●

● Dynamique sédimentaire côtière

Language used for teaching
French

Teaching time
15h (9h lectures - 3h tutorials - 3h work in accompaniment)

2 ECTS credits

Course code
272-1-23

● From climate change impacts to adaptation pathways

Language used for teaching
French - English

Teaching time
15h (9h lectures - 3h tutorials - 3h work in accompaniment)

2 ECTS credits

Course code
272-1-24

■ Mise à niveau en biologie marine

Language used for teaching
French

Teaching time
37h 30min (18h lectures - 7h 30min tutorials - 12h work in accompaniment)

2 ECTS credits

Course code
272-1-21

■ Simulation de l'environnement

Language used for teaching
French

Teaching time
26h 30min (12h lectures - 3h tutorials - 7h practical work - 4h 30min work in accompaniment)

2 ECTS credits

Course code
272-1-22

● Système d'information géographique

Language used for teaching
English

Teaching time
16h 30min (3h lectures - 9h tutorials - 4h 30min work in accompaniment)

2 ECTS credits

Course code
272-1-25

> Préparation du projet professionnel •

- Préparation du projet professionnel

Language used for teaching	French
Teaching time	18h (4h 30min lectures - 10h 30min tutorials - 3h work in accompaniment)
ECTS credits	2
Course code	272-1-31

> Projet recherche : acquisition et traitement de données •

- Practical research internship in Chizé

Language used for teaching	French - English
Teaching time	30h (30h practical work)
ECTS credits	2
Course code	272-1-11

- Stratégie d'échantillonnage et analyse de données

Language used for teaching	English - French
Teaching time	64h 30min (15h lectures - 12h tutorials - 15h practical work - 22h 30min work in accompaniment)
ECTS credits	6
Course code	272-1-12

> Mineure : Ecologie et Gestion des espèces Marines Mobiles ■

- EGEMM 1

Language used for teaching	English
Teaching time	60h (37h 30min lectures - 6h tutorials - 3h practical work - 13h 30min work in accompaniment)
ECTS credits	6
Course code	270-1-81

> Mineure : Environmental Data to information (edition) ■

- The environment in a computer : examples & projects

Language used for teaching	English
Teaching time	60h 30min (6h lectures - 44h practical work - 10h 30min work in accompaniment)
ECTS credits	6
Course code	270-1-71

> Mineure : Géomatique ■

- Géomatique

Language used for teaching

French

Teaching time

55h 30min (6h lectures - 40h 30min tutorials - 9h work in accompaniment)
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6 ECTS credits

Course code

270-1-61

> Mineure : Gouvernance et concertation ■

- Gouvernance du développement durable

Language used for teaching

French

Teaching time

42h (24h lectures - 9h tutorials - 9h work in accompaniment)
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4 ECTS credits

Course code

270-1-92

- Participation citoyenne et transition écologique

Language used for teaching

French

Teaching time

18h (12h lectures - 6h work in accompaniment)

2 ECTS credits

Course code

270-1-91

> Unités transversales ●

- Communication scientifique et technique

Language used for teaching

French

Teaching time

36h (24h practical work - 12h work in accompaniment)
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4 ECTS credits

Course code

270-1-02

- LV1 Anglais

Language used for teaching

French

Teaching time

24h (24h tutorials)

2 ECTS credits

Course code

270-1-01

> Semester 2

> Biologie de la conservation ●

- Biologie de la conservation

Language used for teaching

French

Teaching time

78h (52h 30min lectures - 10h 30min tutorials - 6h practical work - 9h work in accompaniment)

4 ECTS credits

Course code

272-2-21

> **Ecologie** ●

● Analyse numérique

Language used for teaching
French

Teaching time
21h (9h lectures - 3h tutorials - 4h 30min practical work - 4h 30min work in accompaniment)

2 ECTS credits

Course code
272-2-13

● Coastal and trophic dynamics

Language used for teaching
English

Teaching time
43h (24h lectures - 6h tutorials - 7h practical work - 6h work in accompaniment)

2 ECTS credits

Course code
272-2-11

● Écotoxicologie - Ecotoxicology

Language used for teaching
English - French

Teaching time
37h 30min (13h 30min lectures - 9h tutorials - 9h practical work - 6h work in accompaniment)

2 ECTS credits

Course code
272-2-12

> **Stage** ●

● Stage (8 semaines)

Language used for teaching
French

8 ECTS credits

Course code
272-2-31-STAG

> **Mineure : Ecologie et Gestion des espèces Marines Mobiles** ■

● EGEMM 2

Language used for teaching
French

Teaching time
60h (33h lectures - 7h 30min tutorials - 6h practical work - 13h 30min work in accompaniment)

6 ECTS credits

Course code
270-2-81

> **Mineure : Environmental Data to information (edition)** ■

● From data to information

Language used for teaching
French

Teaching time
50h (19h 30min lectures - 20h practical work - 10h 30min work in accompaniment)

6 ECTS credits

Course code
270-2-71

Mineure : Géomatique ■

● Méthodes d'analyse spatiale

Language used for teaching
French
Teaching time
22h 30min (4h 30min lectures - 12h tutorials - 6h work in accompagnement)
3 ECTS credits
Course code
270-2-62

● Télédétection et imagerie spatiale

Language used for teaching
French
Teaching time
28h 30min (4h 30min lectures - 18h tutorials - 6h work in accompagnement)
3 ECTS credits
Course code
270-2-61

> **Mineure : Gouvernance et concertation** ■

● Management des équipes et gestion de conflit

Language used for teaching
French
Teaching time
12h (6h lectures - 6h tutorials)
2 ECTS credits
Course code
270-2-91

● Méthodes de concertation

Language used for teaching
French
Teaching time
27h (18h lectures - 9h work in accompagnement)
2 ECTS credits
Course code
270-2-92

● Préparer, animer, rendre compte d'un événement participatif

Language used for teaching
French
Teaching time
18h (6h lectures - 6h tutorials - 6h work in accompagnement)
2 ECTS credits
Course code
270-2-93

> **Unités transversales** ●

● Changements globaux : enjeux environnementaux et sociétaux

Language used for teaching
French
Teaching time
33h (9h practical work - 24h work in accompagnement)
4 ECTS credits
Course code
270-2-02

>

- LV1 Anglais

Language used for teaching

French

Teaching time

24h (24h tutorials)

2 ECTS credits

Course code

270-2-01

> Semester 3

> Échantillonnage en zone littorale ●

- Echantillonnage littoral

Language used for teaching

English - French

Teaching time

43h 30min (4h 30min lectures - 15h practical work - 24h work in accompaniment)
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4 ECTS credits

Course code

272-3-12

- Ecologie sous-marine en plongée

Language used for teaching

English - French

Teaching time

58h (12h lectures - 10h 30min tutorials - 25h practical work - 10h 30min work in accompaniment)

4 ECTS credits

Course code

272-3-11

> Gestion de l'environnement ●

- Conduite de projet environnemental

Language used for teaching

French

Teaching time

19h 30min (4h 30min lectures - 12h tutorials - 3h work in accompaniment)
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2 ECTS credits

Course code

272-3-33

- Gestion de la biodiversité

Language used for teaching

French

Teaching time

30h (18h lectures - 9h practical work - 3h work in accompaniment)

3 ECTS credits

Course code

272-3-32

- Socio-économie de l'environnement

Language used for teaching

French

Teaching time

28h 30min (9h lectures - 6h tutorials - 9h practical work - 4h 30min work in accompaniment)

3 ECTS credits

Course code

272-3-31

> Gestion intégrée des zones humides et de l'ea ●

- Gestion intégrée des zones humides et de l'eau

Language used for teaching
French
Teaching time
67h 30min (39h lectures - 6h tutorials - 15h practical work - 7h 30min work in accompaniment)
6 ECTS credits
Course code
272-3-21

> Mineure : Ecologie et Gestion des espèces Marines Mobiles ■

- EGEMM 3

Language used for teaching
French
Teaching time
60h (31h 30min lectures - 9h tutorials - 6h practical work - 13h 30min work in accompaniment)
6 ECTS credits
Course code
270-3-81

> Mineure : Environmental Data to information (edition) ■

- Geospatial and web development

Language used for teaching
English
Teaching time
49h (19h 30min lectures - 10h practical work - 19h 30min work in accompaniment)
6 ECTS credits
Course code
270-3-71

> Mineure : Géomatique ■

- MNT

Language used for teaching
French
Teaching time
15h (4h 30min lectures - 10h 30min tutorials)
3 ECTS credits
Course code
270-3-61

- Teledetection avancée

Language used for teaching
French
Teaching time
19h 30min (4h 30min lectures - 15h tutorials)
3 ECTS credits
Course code
270-3-62

> Mineure : Gouvernance et concertation ■

- Management de projet de développement durable

Language used for teaching
French
Teaching time
48h (21h lectures - 27h work in accompaniment)
4 ECTS credits
Course code
270-3-91

- Retour d'expériences et évaluation de projet de développement durable

Language used for teaching	French
Teaching time	12h (9h lectures - 3h tutorials)
2 ECTS credits	
Course code	270-3-92

> Unités transversales •

- Droit de l'environnement et du littoral

Language used for teaching	French
Teaching time	16h 30min (16h 30min lectures)
2 ECTS credits	
Course code	270-3-02

- LV1 Anglais

Language used for teaching	French
Teaching time	24h (24h tutorials)
2 ECTS credits	
Course code	270-3-01

- Socio-écosystèmes

Language used for teaching	French
Teaching time	16h 30min (9h lectures - 3h tutorials - 4h 30min work in accompaniment)
2 ECTS credits	
Course code	270-3-03

> Semester 4

> Unités transversales •

- Stage (26 semaines)

Language used for teaching	French
30 ECTS credits	
Course code	272-4-01-STAG

> International

From the beginning of the 2019 academic year, students of the Environmental Sciences course Environmental Management and Coastal Ecology MSc may apply for a double degree with the [University of Costa Rica](#).

AFTERWARDS

Information subject to change

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