




MASTER'S DEGREE IN ENVIRONMENTAL SCIENCES - ENVIRONMENTAL MANAGEMENT AND COASTAL ECOLOGY TRACK

IDENTITY CARD

- > Domain : Sciences, Technologies and Health
- > Full time course
- > [Continuing Education](#)
- > [120 ECTS credits](#)
- > 4 semesters
- > [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

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OBJECTIVES

> Presentation

“Are you a trained biologist with a keen interest in international affairs ? The Masters in Environmental Sciences prepares you to tackle complex research and social issues relating to the integrated management of natural and coastal areas. The Environmental Management and Coastal Ecology (GEEL) programme enables you to acquire specific knowledge and skills in relation to the sustainable management of anthropised ecosystems. You will also improve your interpersonal skills, which are useful in the professional world, particularly your ability to listen to specialists in related or complementary disciplines.”

Cécile VINCENT



Cécile Vincent

✓ 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

> General Track

> Semester 1

> Cours majeurs

> Make a Career Plan ●

- Planning your career path

Language used for teaching

French

Teaching time

18h (4h 30min lectures - 10h 30min tutorials - 3h work in accompaniment)

2 ECTS credits

Course code

272-1-31

> Refresher Course (Multi-Disciplinary) ●

- Coastal Sediment Dynamics

Language used for teaching

French

Teaching time

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

2 ECTS credits

Course code

272-1-23

- Environmental Modelling

Language used for teaching

French

Teaching time

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

2 ECTS credits

Course code

272-1-22

- From Climate Change Impacts to Adaptation Pathways

Language used for teaching

English

Teaching time

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

2 ECTS credits

Course code

272-1-24

- Geographic Information System

Language used for teaching	English
Teaching time	16h 30min (3h lectures - 9h practical work - 4h 30min work in accompaniment)
2 ECTS credits	
Course code	272-1-25

- Marine Biology Refresher Course

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

› Research Project: Data Acquisition and Processing ●

- Practical Research Internship in Chize

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

- Sampling Methods and Data Analysis

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

› Cours mineures de spécialité

› Minor: Ecology and Management of Mobile Marine Species ■

- Ecology and Management of Mobile Marine Species (EGEMM) 1

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

› Minor: Environmental Data and Information (Edition) ■

- Computing Environment: Examples & Projects

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

> Minor: Geomatics ■

• Geomatics

Language used for teaching
French

Teaching time
55h 30min (6h lectures - 40h 30min tutorials - 9h work in accompaniment)

6 ECTS credits

Course code
270-1-61

> Minor: Governance and Consultation ■

• Civic Engagement and Green Transition

Language used for teaching
French

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

2 ECTS credits

Course code
270-1-91

• Governance and Sustainable Development

Language used for teaching
French

Teaching time
42h (24h lectures - 9h tutorials - 9h work in accompaniment)

4 ECTS credits

Course code
270-1-92

> Cours transversaux

> Cross Curricular Units •

• Modern Foreign Language 1: English

Language used for teaching
English - French

Teaching time
24h (24h tutorials)

2 ECTS credits

Course code
270-1-01

• Scientific and Technical Communication

Language used for teaching
French

Teaching time
36h (24h practical work - 12h work in accompaniment)

4 ECTS credits

Course code
270-1-02

> Semester 2

> Cours majeurs

> Conservation Biology •

- Conservation Biology

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

> Ecology ●

- 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

- Ecotoxicology

Language used for teaching
English - French

Teaching time
39h (15h lectures - 9h tutorials - 9h practical work - 6h work in accompaniment)

2 ECTS credits

Course code
272-2-12

- Numerical Analysis

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

> Work Placement ●

- Work Placement (8 weeks)

Language used for teaching
French

8 ECTS credits

Course code
272-2-31-STAG

> Cours mineures de spécialité

> Minor: Ecology and Management of Mobile Marine Species ■

- Ecology and Management of Mobile Marine Species (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

> Minor: Environmental Data and Information (Edition) ■

● From Data to Information

Language used for teaching	English
Teaching time	50h (19h 30min lectures - 20h practical work - 10h 30min work in accompaniment)
ECTS credits	6
Course code	270-2-71

> Minor: Geomatics ■

● Remote Sensing and Spatial Imagery

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

● Spatial Analysis Techniques

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

> Minor: Governance and Consultation ■

● Consultation Methods

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

● Planning, Running and Reporting on a Participatory Conference

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

● Team and Conflict Management

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

> Cours transversaux

> Complementary Module ■

- Rescue Project Jean Monnet: Resilience, Climate Change and European Union

Language used for teaching
French

Teaching time
40h (40h lectures)

7 ECTS credits

Course code
000-0-01

> Cross Curricular Units ●

- Global change: Environmental and Societal Issues

Language used for teaching
French

Teaching time
36h (9h practical work - 27h work in accompaniment)

4 ECTS credits

Course code
270-2-02

- Modern Foreign Language 1: English

Language used for teaching
French - English

Teaching time
24h (24h tutorials)

2 ECTS credits

Course code
270-2-01

> Semester 3

> Cours majeurs

> Environmental Management ●

- Biodiversity Management

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

- Environment and Socio-Economics

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

- Environmental Project Management

Language used for teaching
French

Teaching time
19h 30min (4h 30min lectures - 12h tutorials - 3h work in accompaniment)

2 ECTS credits

Course code
272-3-33

› **Integrated Water and Wetland Management** ●

● Integrated Water and Wetland Management

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

› **Sampling in Coastal Areas** ●

■ Coastal Sampling

Language used for teaching
English - French

Teaching time
43h 30min (4h 30min lectures - 15h practical work - 24h work in accompaniment)

4 ECTS credits

Course code
272-3-12

■ Scientific Diving in Marine Ecology

Language used for teaching
French - English

Teaching time
48h (12h lectures - 10h 30min tutorials - 15h practical work - 10h 30min work in accompaniment)

4 ECTS credits

Course code
272-3-11

› **Cours mineures de spécialité**

› **Minor: Ecology and Management of Mobile Marine Species** ■

● Ecology and Management of Mobile Marine Species (EGEMM) 3

Language used for teaching
English - 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

› **Minor: Environmental Data and 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

› **Minor: Geomatics** ■

- Advanced Remote Sensing

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

- Digital Elevation Model

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

> Minor: Governance and Consultation ■

- Sustainable Development Project Assessment and Feedback

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

- Sustainable Project Management

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

> Cours transversaux

> Cross Curricular Units ●

- Environment and Coastal Law

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

- Modern Foreign Language 1: English

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

- Socio-Ecological Systems

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

> Cours transversaux

> Complementary Module ■

- Rescue Project Jean Monnet: Resilience, Climate Change and European Union

Language used for teaching

French

Teaching time

40h (40h lectures)

7 ECTS credits

Course code

000-0-01

> Cross Curricular Units ●

- Work Placement (26 weeks)

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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