MSC ENVIRONMENTAL SCIENCES - ENVIRONMENTAL MANAGEMENT AND COASTAL ECOLOGY PROGRAMME

🪪 IDENTITY CARD

> Domain : Sciences, Technologies and Health
> Full time course
> [Continuing Education](#)
> Degree apprenticeships
> [Accessible to people with disabilities](#)

> [120 ECTS credits](#)
> 4 semesters
> 📍 La Rochelle

🎓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 : master.geel@univ-lr.fr

◎ 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

› Parcours général

› Semester 1

› Cours majeurs

› Make a Career Plan ●

● Préparation du projet professionnel

Language used for teaching	French
Teaching time	16h 30min (6h lectures - 10h 30min tutorials)
2 ECTS credits	
Course code	272-1-31

› Refresher Course (Multi-Disciplinary) ●

● Dynamique sédimentaire cotière

Language used for teaching	French
Teaching time	13h 30min (10h 30min lectures - 3h tutorials)
2 ECTS credits	
Course code	272-1-23

● From climate change impacts to adaptation pathways

Language used for teaching	English
Teaching time	13h 30min (10h 30min lectures - 3h tutorials)
2 ECTS credits	
Course code	272-1-24

■ Mise à niveau en biologie marine

Language used for teaching	French
Teaching time	28h 30min (18h lectures - 10h 30min tutorials)
2 ECTS credits	
Course code	272-1-21

■ Simulation de l'environnement

Language used for teaching
French
Teaching time
16h 30min (13h 30min lectures - 3h tutorials)
2 ECTS credits
Course code
272-1-22

● Système d'information géographique

Language used for teaching
English
Teaching time
13h 30min (3h lectures - 10h 30min practical work)
2 ECTS credits
Course code
272-1-25

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

● Stratégie d'échantillonnage et analyse de données

Language used for teaching
French - English
Teaching time
43h 30min (19h 30min lectures - 1h 30min tutorials - 22h 30min practical work)
6 ECTS credits
Course code
272-1-12

Cours mineures de spécialité

Minor: Ecology and Management of Mobile Marine Species ■

● EGEMM 1

Language used for teaching
French - English
Teaching time
51h (39h lectures - 6h tutorials - 6h practical work)
6 ECTS credits
Course code
270-1-81

Minor: Environmental Data and Information (Edition) ■

● The environment in a computer : examples & projects

Language used for teaching
English
Teaching time
51h 30min (6h lectures - 1h 30min tutorials - 44h practical work)
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 ●

- Communication scientifique et technique

Language used for teaching	French
Teaching time	39h (15h tutorials - 24h practical work)
4 ECTS credits	
Course code	270-1-02

- LV1 Anglais

Language used for teaching	English - French
Teaching time	24h (24h tutorials)
2 ECTS credits	
Course code	270-1-01

Semester 2

Cours majeurs

Conservation Biology ●

● Biologie de la conservation

Language used for teaching
French
Teaching time
72h (52h 30min lectures - 12h tutorials - 7h 30min practical work)
4 ECTS credits
Course code
272-2-21

Ecology ●

● Analyse numérique

Language used for teaching
French
Teaching time
18h (9h lectures - 4h 30min tutorials - 4h 30min practical work)
2 ECTS credits
Course code
272-2-13

● Coastal and trophic dynamics

Language used for teaching
English
Teaching time
40h (24h lectures - 9h tutorials - 7h practical work)
2 ECTS credits
Course code
272-2-11

● Ecotoxicologie - Ecotoxicology

Language used for teaching
English - French
Teaching time
36h (18h lectures - 9h tutorials - 9h practical work)
2 ECTS credits
Course code
272-2-12

Work Placement ●

● Stage (8 semaines)

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
51h (34h 30min lectures - 7h 30min tutorials - 9h practical work)
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	41h (19h 30min lectures - 1h 30min tutorials - 20h practical work)
6 ECTS credits	
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)
3 ECTS credits	
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)
3 ECTS credits	
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)
2 ECTS credits	
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)
2 ECTS credits	
Course code	270-2-93

- Team and Conflict Management

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

Cours transversaux

> ## Cross Curricular Units ●

● Changements globaux : enjeux environnementaux et sociétaux

Language used for teaching	French
Teaching time	36h (9h practical work - 27h work in accompaniment)
4 ECTS credits	
Course code	270-2-02

● LV1 Anglais

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 ●

● Conduite de projet environnemental

Language used for teaching	French
Teaching time	19h 30min (6h lectures - 13h 30min tutorials)
2 ECTS credits	
Course code	272-3-33

● Gestion de la biodiversité

Language used for teaching	French
Teaching time	28h 30min (18h lectures - 1h 30min tutorials - 9h practical work)
3 ECTS credits	
Course code	272-3-32

● Socio-économie de l'environnement

Language used for teaching	French
Teaching time	25h 30min (9h lectures - 7h 30min tutorials - 9h practical work)
3 ECTS credits	
Course code	272-3-31

> ## Integrated Water and Wetland Management ●

● Gestion intégrée des zones humides et de l'eau

Language used for teaching	French
Teaching time	64h 30min (39h lectures - 10h 30min tutorials - 15h practical work)
6 ECTS credits	
Course code	272-3-21

> **Sampling in Coastal Areas** ●

■ Echantillonnage littoral

Language used for teaching	English - French
Teaching time	25h (4h 30min lectures - 10h 30min tutorials - 10h practical work)
4 ECTS credits	
Course code	272-3-12

■ Ecologie sous-marine en plongée

Language used for teaching	French - English
Teaching time	26h 30min (12h lectures - 12h tutorials - 2h 30min practical work)
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	French - English
Teaching time	51h (31h 30min lectures - 10h 30min tutorials - 9h practical work)
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	32h 30min (19h 30min lectures - 3h tutorials - 10h practical work)
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 ●

● 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	English - French
Teaching time	24h (24h tutorials)
2 ECTS credits	
Course code	270-3-01

● Socio-écosystemes

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

› **Cross Curricular Units** ●

- ● Work Placement (26 weeks)

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

› **Parcours alternance**

› **Semester 3**

› Cours majeurs

› **Environmental Management** ●

- ● Conduite de projet environnemental

Language used for teaching	French
Teaching time	19h 30min (6h lectures - 13h 30min tutorials)
2 ECTS credits	
Course code	272-3-33

- ● Gestion de la biodiversité

Language used for teaching	French
Teaching time	28h 30min (18h lectures - 1h 30min tutorials - 9h practical work)
3 ECTS credits	
Course code	272-3-32

- ● Socio-économie de l'environnement

Language used for teaching	French
Teaching time	25h 30min (9h lectures - 7h 30min tutorials - 9h practical work)
3 ECTS credits	
Course code	272-3-31

› **Integrated Water and Wetland Management** ●

- ● Gestion intégrée des zones humides et de l'eau

Language used for teaching	French
Teaching time	64h 30min (39h lectures - 10h 30min tutorials - 15h practical work)
6 ECTS credits	
Course code	272-3-21

› **Unité d'entreprise** ●

- Entreprise (8 semaines)

Language used for teaching
French
10 ECTS credits
Course code
272-3-11-ALT

Cours transversaux

Cross Curricular Units ●

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

- Socio-écosystemes

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

Mission en entreprise ●

- Alternance et mémoire de recherche appliquée

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

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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