



**Teaching format**

On-site training, in Besançon (main place of instruction) and in Dijon

**Language of teaching**

80% in English, all supports and exams in English

**ECTS**

120

**Hourly volume**

720h

**Number of available places**

16 students in M1, 16 in M2

**Academic level after graduation**

Bac+5, equivalent to the status of Engineer

**Course**

Initial training, continuing education

**Contacts**

Headteachers

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Continuing education

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**Some information about our city and our region**

Centre for Applied Linguistic (CLA): courses (French, English...) and sports and cultural activities organized with other foreign and french students.  
<http://cla.univ-fcomte.fr/home/>

Student life

<http://www.univ-fcomte.fr/vie-etudiante>

Local naturalistic associations:



**INTERNATIONAL MASTER**  
Masters' degree Conservation Biology

UBFC



# Ecology, Monitoring and Management of Ecosystems (EMME)

<http://www.nature-conservation-ubfc.com/emme/fr/>

- The Master Ecology, Monitoring and Management of Ecosystems is an **international Master** from the University of Bourgogne Franche-Comté, France.
- The students are trained to be future **scientists in conservation, functional ecology, paleoecology, ecotoxicology and ecoepidemiology** as well as **managers and policy officers in biodiversity conservation and ecosystem management**.



## Teaching objectives

To develop abilities to:

- Critically engage with concepts and theory in **functional ecology and conservation** from **interdisciplinary perspectives** at an advanced scientific level,
- Critically assess the ability of **populations and communities** to react, cope with and adjust to **environmental changes** occurring over different **spatial and time scales**,
- Appreciate the opportunities offered by **new technological** developments for the future of research and **application in ecosystem monitoring and management**,
- Combine theory, hypotheses, methods, data and field work to identify and develop **innovative applied or fundamental research questions and designs**.



*Remark: the Master can help strengthening naturalistic skills (e.g. taxonomic identification) but does not directly aim it. See Bachelor MINA on <http://formation.univ-fcomte.fr/licence-professionnelle/metiers-de-la-protection-et-de-la-gestion-de-lenvironnement-metiers-du>.*

## Scientific support

- The Master benefits from the scientific support of the research unit Chrono-environnement (<https://chrono-environnement.univ-fcomte.fr/>) one of the largest research units in France in ecology and environment and from professionals working in private companies and NGOs in environment and conservation.



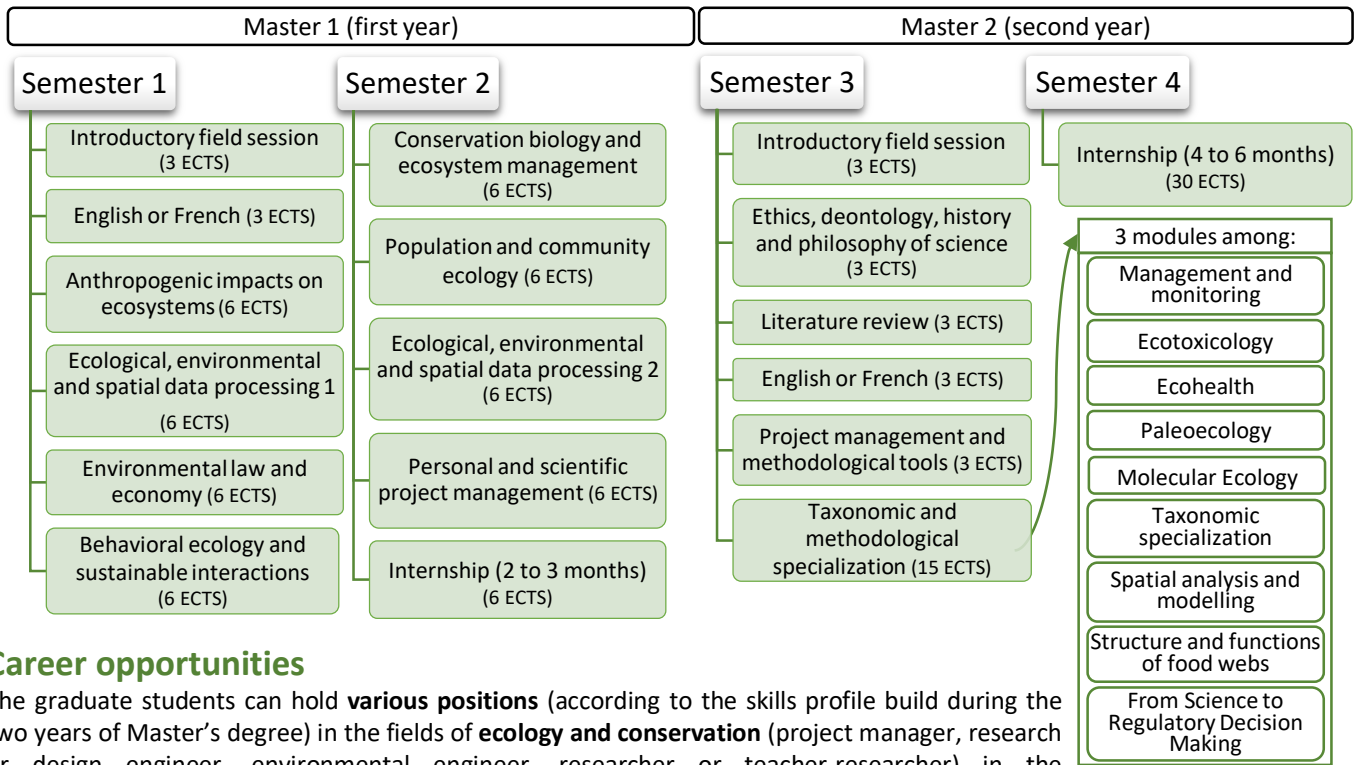
## Teaching methods

- This training is delivered through lectures, seminars, class tutorials and practical trainings in the field and in the lab. Field courses and personal projects (on top of internships) allow students to **apply the methods and concepts presented** in the classroom in the field.

## International mobility

- The student **mobility** in M1 and M2, **over a year, a semester or an internship** is encouraged and facilitated by the teaching organized as weekly blocks over a few weeks each.
- The Master benefits from **5 grants (800€/month) to help foreign students to join the Master**, and from **5 grants (same amount) to help local students to go abroad**.

# Syllabus



## Career opportunities

The graduate students can hold **various positions** (according to the skills profile build during the two years of Master's degree) in the fields of **ecology and conservation** (project manager, research or design engineer, environmental engineer, researcher or teacher-researcher) in the administrations, territorial communities, private (consultancy) companies, NGOs...

## Skills

Beyond the **naturalistic skills**, the Master graduate student is able to:

- Grasp a **complex and multidisciplinary environmental issue**, in a research or application context,
- **Propose protocols**, in the field or in the lab, allowing to grasp these issues and to find human, technical and bibliographic resources
- Implement the adequate measurement and/or analysis techniques (or establish the necessary multidisciplinary collaborations), analyse and interpret the data collected, in order to **propose management solutions**,
- Master **project management**: assess the required financial, logistic, and human resources; respect the implementation schedule; manage the project in order to achieve the objectives,
- Work independently and/or as a team member or leader, organize and manage the division of tasks within a work team,
- Communicate orally or in writing, in French or in English.

## How and when to apply?

- Applicants have to hold an academic Bachelor's degree in Biology-Ecology or equivalent. A good English level or at least to be prone to speak English is essential.
- On <http://admission.univ-fcomte.fr> (GoogleTrad tool on the bottom right of the page to get the site in English) from **April 21<sup>st</sup> to June 21<sup>st</sup>**.

### Application form

- Detailed *Curriculum vitae* with personal, training, internship, professional, and other information allowing the recruitment committee to assess the quality of the candidacy,
- Evidence of completion of upper secondary school (high school) in the form of final and official diploma and transcripts. Note that the transcripts must specify all coursework completed,
- Cover letter explaining motivation and professional objectives,
- Two letters of recommendation.
- An interview may be required.

