

# Master TEAM Actors

## TRANSITIONS IN ENVIRONMENTAL AND AGRIFOOD SYSTEMS MANAGEMENT

**MENTION AGROSCIENCES, ENVIRONMENT TERRITORIES, LANDSCAPE, FOREST**

### CONTEXT AND OBJECTIVES

To respond to complex environmental issues (management of natural resources, food systems), it is necessary to have an approach based on the close articulation between engineering and social sciences in order to understand the complexity of the processes related to these objects: multi-stakes and multi-actors at the systemic scale of the territory.

This master's course combines environmental sciences (hydrology, soil sciences, ecology) and social sciences (sociology, economics, political sciences) to address environmental and territorial development issues. It focuses Social dynamics and place- based development.

**At the end of the training, students are thus able to:**

- Understand environmental issues of agricultural, rural and peri-urban and high-naturevalue areas.
- Manage the tools for analysing the local situation from an interdisciplinary and multiscale perspective.
- Promote socio-professional dialogue in a multi-issue and multistakeholder context.
- Contribute to social and organisational innovations around the issues of sustainable development and resilience.

#### Campus

Angers ○ Rennes ●

Initial education ●

Continuous education ●

#### Common Courses with :

International Master in Rural Development ●

#### Institut Agro Rennes-Angers supports

One-stop administrative desk for international students ●

French language courses for non-native students ●

Housing support, local options on campus ●

Tutor support ●

### OCCUPATION AND SECTORS OF ACTIVITIES

The professional context induced by these major transitions shows a fragile and rapidly changing agricultural sector, and local communities investing new vocations and creating more interfaces between public and private issues thanks to new processes such as facilitation, mediation and coordination.

Consequently, new professional fields are identified such as local food plans, urban food planning, management of the environments, of agriculture and rural development, blue & greenways management, renewable energies, multi-stakeholders processes for agro-ecological transition, littoral, water management, health and environment, territorial waste management.

#### The graduates work in the public, parapublic and private fields:

- + Consular chambers and technical institutes
- + Institutions for territorial management
- + Design offices
- + Local authorities
- + Agricultural development and civil society groups
- + Research and higher education organizations
- + Associations and foundations
- + Large companies

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### PROGRAMME CONTENT

The training is based on a:

- **Interdisciplinarity:** rural sociology, political science, economics, environmental sciences, agro-nomy, and food studies,
  - **Systemic approach to these issues at the level of place-based case studies,**
  - **Student field projects involving professional partners.**
- M1 level available in French / M2 level available in English (30 ECTS).**  
**B2 to C1 level in both French and English is necessary for application.**

#### MASTER 1 | SEMESTER 7 | 30 ECTS

- Scientific approach / Group work 5 ECTS
- Interdisciplinary stakes and challenges of environmental issues / Case study - Group Work 8 ECTS
- French language courses or LV1 English & LV2 German, Spanish or Italian 6 ECTS
- Social sciences: Economy, actors, organizations 3 ECTS

#### To choose 1/2 8 ECTS

- Internship: Understanding of the French environmental and agricultural context, qualitative and quantitative data processing
- Statistics and informatics & Management of the company

#### SEMESTER 8 | 30-32 ECTS

- Conducting innovative professional projects / Group Work 4 ECTS
- Notion of risk - Evaluation, management, prevention 2 ECTS
- The environment as viewed by the social sciences 4 ECTS

#### To choose 1/2 4 ECTS

- Industrial strategy and nature policy
- Bibliographic synthesis social perceptions of nature

#### To choose 1/2 4 ECTS

- Ecotechnology
- Economic and financial analysis of agricultural enterprises and sectors

#### To choose 1/3 4 ECTS

- Agroecology
- Economic, national and international policies
- From land data to GIS (geographic information system): Spatial data analysis of environments and landscapes

#### To choose 1/2 4 ECTS

- Diversity and evolution of life
- Case Study: Systemic Approach to Regional Agriculture / Travel and group work

#### To choose 1/2 6 ECTS

- French language - Compulsory for students who do not speak french
- LV1 English & Critical analysis of articles

#### MASTER 2 | SEMESTER 9 | 30-32 ECTS

#### Environmental analysis and prospective 8 ECTS

- Transition context
- Environmental data analysis
- Field Study School: Introduction to Complex Projects
- Introduction to complex projects: characteristics and modalities

#### Projet professionnel 2 ECTS

#### To choose 1/2 2 ECTS

- French language (Compulsory for students who do not speak french)
- LV1 English & Critical analysis of articles

#### Social transitions and sustainable issues 5 ECTS

- Agro-ecological production systems and multicriteria analysis applied at farm scale 3 ECTS
- Actors and public actions, territorial development and governance 3 ECTS
- Engineering tools 3 ECTS
- Engineering project 4 ECTS

#### SEMESTER 10 | 30 ECTS

#### Master's thesis

### ADMISSION

Open only to non-French students and to English-speaking professionals benefiting from funding for continuing education.

A B2-level certificate in English is necessary to follow the TEAM Actors Master programme.

Admissions are possible at the Master 1 and Master 2 levels.

### ACADEMIC REFERENTS

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### EDUCATIONAL INFORMATION

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