

BAC+5

MASTER

Environmental Management

Specialization: Environmental and Territorial
Engineering



● **Course objectives**

The objective of the training program in the Master's in Environmental and Territorial Engineering is to educate professionals capable of intervening in the fields of Ecological Engineering for the restoration of natural environments (e.g., wetlands, forests, etc.), the rehabilitation and revalorization of marginal sites (e.g., contaminated industrial wastelands), and adaptation to climate change (e.g., carbon villages, soil characterization and management, etc.) to meet the needs of businesses and communities.

● **Profile**

- Students holding a Bachelor's degree in Life Sciences
- Students from other Bachelor's programs focusing on the field of environmental issues
- Graduates of professional Bachelor's programs will be accepted based on their application.

● **Career opportunities**

Graduates will be able to pursue careers in the following fields or professions: natural environment manager, ecological engineer in consulting firms, environmental engineer in industrial settings, territorial civil service. They may also choose to continue their studies with a doctoral program.

Training program open to apprenticeship



Photo : H. Raguet, CNRS Images

UFR STGI

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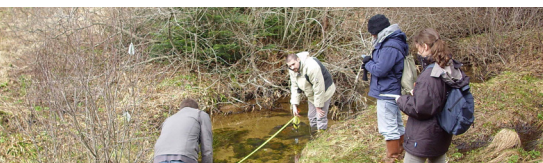
Internship periods

- 2-months internship (from April to June) during the semester 8
- 4 to 6-months internship (from February to July) during the semester 10



Contents of the program

The Master's program is structured into 4 areas of competence:



Competence 1

Mobilizing fundamental and specialized concepts to address environmental issues. Acquired skills will cover the connections between pollution and health, global changes and their impacts on ecosystems, and the ecology and economics of carbon.

Competence 2

Exploiting tools and data for analysis purposes. Students will acquire skills in project management through hands-on practical work in field immersion at experimental sites, natural areas, or field schools. They will also learn laboratory analysis techniques (in environmental chemistry, molecular ecology, microbiology) or field techniques (remote sensing), as well as tools for processing acquired data (biostatistics, GIS).

Competence 3

Disseminating knowledge in the field of environmental issues. Students will need to master the fundamentals of writing a final project thesis, writing a scientific article, and creating a bibliographic synthesis. They must also have proficiency in English.

Competence 4

Executing projects with a professional perspective. Validation of this competency block will be achieved through two internships (M1 and M2) in professional organizations or research laboratories, a supervised project, and professional workshops (such as conducting a workshop or webinar).



Find all the
information
on our website:
stgi.umlp.fr



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