



Agroecology, water and land management

Objectives

This programme aims to train students in the **environmental engineering of continental hydrosystems**, in particular in **rural areas** and/or where farming is concerned.

Who is the programme for?

The programme is for students who wish to further their knowledge in **environmental issues** concerning the **management of water and farmland**, and to **understand the mechanisms and systems** in their diversity from multiple viewpoints (economics, law, sociology).

Career opportunities

- >> **Sectors:** Local government agencies, technical institutes, crop protection and fertilizer industry, farm supply cooperatives, agricultural trade bodies, planning and water distribution companies and consortiums, effluent management services, technical research centres and international development organisations.
- >> **Positions:** Company environment engineer, Engineer working in local government (competitive examination) or public institutions, R&D engineer, Water and environment research engineer, Environmental technical adviser, Watershed officer.

Content

- > Geographical Information System
- > Initiation to the study of environmental effects
- > Agro-environmental diagnostics
- > Population genetics
- > Entomology
- > Assessment and management of environmental risks
- > Analysis and diagnostics of a zone
- > Use of ecology expertise for managing biodiversity
- > Farming techniques and environmental preservation
- > Water and soil pollution: upstream management
- > Introduction to hydrology and hydrogeology
- > Physico-chemical behaviour of pollutants
- > Water purification and treatment: downstream management
- > Specialization project.

Six-month company placement

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