

PARTNERS

- ✓ Siemens, Séché, INERIS, EDF, GRDF
- ✓ Bossaverde, AIM Innovation, Be-Smart
- ✓ University of Technology – Sydney, Australia
- ✓ Johns Hopkins University – USA
- ✓ Norwegian University of Science and Technology

BUSINESS SECTORS

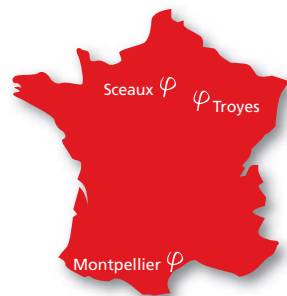
- ✓ All types of renewable energies
- ✓ Environmental and sustainability consulting
- ✓ Eco-industrial service centres
- ✓ Engineering offices
- ✓ Change management
- ✓ Process industries

TARGET PROFESSIONS

- ✓ Environment/energy engineer
- ✓ Sustainable development manager
- ✓ Building systems project engineer
- ✓ Consultant in climate change and sustainability services
- ✓ Waste management study engineer
- ✓ Environmental analysis and measurement engineer
- ✓ Environmental safety engineer
- ✓ Environmental technical/business engineer



Sceaux Campus
3 bis, rue Lakanal
92330 Sceaux



Sceaux | Troyes | Montpellier

CONTACTS :

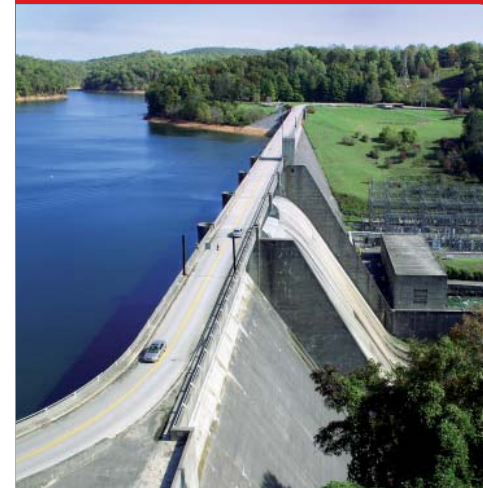
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Officially recognised foundation – CTI-accredited engineering degree programmes

www.epf.fr

Sceaux Campus

ENVIRONMENT MAJOR



INNOVATION AND OPTIMISATION FOR SUSTAINABLE DEVELOPMENT

- Environmental and Innovative Engineering
- Environmental Recycling of Resources and Processing



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Tomorrow's engineer is
a generalist, open to the world

ENVIRONMENT MAJOR in Sceaux

The Environment major gives students the scientific knowledge and modelling tools they need to work in the sustainability field. It is specifically targeted to students who would like to play an active role in protecting the environment.

The primary scientific fields related to this major are the earth sciences and pollution management. The environmental field will also be studied from a political and legal standpoint.

OBJECTIVES

Teaching students to think differently by developing an eco-civic attitude and a sense of social responsibility so that they can become conscious, committed new engineers.

KEY POINTS

- ✓ All teaching done in English
- ✓ An innovative major designed for a sustainable economy
- ✓ High-growth professions
- ✓ The technological skills and methods needed to understand the projects of the future

TEACHING METHODS

Classes in English and French. The degree programme includes projects and case studies with top figures in each sector. Digital and experimental lab work.

PROJECTS

- ✓ Accidental pollution – modelling accidental atmospheric and/or ground pollution
- ✓ TRIZ methods
- ✓ Life cycle modelling and climate models
- ✓ Specialisation project with a partner company in the environmental sector

MAJOR PROGRAMME

(SEMESTER 8 – January to June)

GENERAL ENGINEERING COURSE CYCLE (150 hours)

Management :

- ✓ Contract and Labor Law
- ✓ Risk Management
- ✓ Economic and Financial Management

Industrial engineering :

- ✓ Systems Engineering / Project Management
- ✓ Information Systems Engineering
- ✓ Statistical Data Processing
- ✓ Quality Engineering
- ✓ Environmental Assessment

Foreign Languages

MAJOR COURSE CYCLE (250 hours)

Unit 1: Earth Sciences

Geology, hydrogeology, hydrology
Climatology
Pollutant chemistry

Unit 2: Environmental tools

Lifecycle modelling
Accidental pollution modelling
Geographic information systems (GIS)
Remote sensing
Environmental analysis

Unit 3: Environmental management

Environmental law
Geopolitics
Innovation management

Unit 4: PROJECT (150 hours)

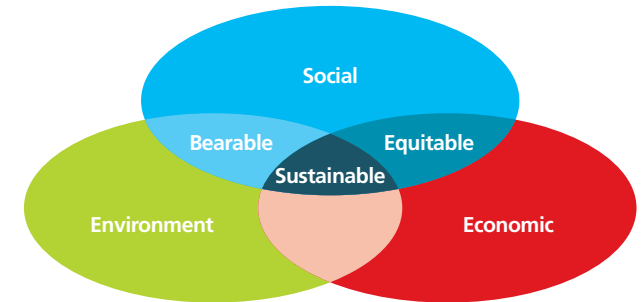


MAJOR SPECIALISATIONS

(SEMESTER 9 – September to December)

ENVIRONMENTAL AND INNOVATIVE ENGINEERING

Innovating to implement the sustainable solutions of tomorrow



ENVIRONMENTAL RECYCLING OF RESOURCES AND PROCESSING

Designing and deploying a sustainable business circle from eco-design to reprocessing

