The program aims at providing skills for the management of multi-sector projects with a multiscale and systemic analysis of eco-technologies issues, such as water-energy nexus, waste-energy nexus, climate change adaptation to propose sustainable solutions and to build green and smart cities.

**ACADEMIC DETAILS**

**2-year full time program**
- September intake – 4 semesters

**Comprehensive curriculum**
- Projects, company visits, seminars
- Professional coaching
- French language & culture
- Intercultural workshop
- Master thesis/internship (last semester)

**Internationally recognized degree**
- MSc in Process and Bioprocess Engineering (PBPE) accredited by the Ministry of Higher Education, Research and Innovation No. 20170876 – 1702350F

**Associated tracks / programs**
- PM3F - Food processing (ONIRIS)
- MBE - Microalgae (Université de Nantes)
- ME3+ - Erasmus Mundus label

Courses are subject to change without notice

**M1 - YEAR 1 on Nantes campus**
- Transfer phenomena
- Energy and environmental issues
- Thermodynamics and energy systems
- Environment and process engineering
- Incineration and waste minimization
- Air, soil and water treatment
- Water strategies and innovation
- Foundations in economics and management
- Process modeling, simulation and control
- Risk analysis and environment management

**M2 - YEAR 2 on Nantes campus**
- Renewables
- Energy efficiency and services
- Energy networks
- Energy modeling and optimization
- Energy and data
- Digitalization and energy for smart cities
- Digitalization and energy for industry
- Project and energy management

100 % taught in English

6-month paid internship in a company or lab

Free application!
CAREER OPPORTUNITIES
In energy production & exploitation:
- oil and gas, power generation and distribution, renewable energy,
- eco-industries: water and air treatment, waste management and recycling, pollution reduction and remediation, steel and chemical production, building and civil sector, project management, smart cities & industry 4.0, etc.
The main employers are major groups, operating worldwide and in France. Possibility to continue in PhD.

RESEARCH EXPOSURE
The MSc is managed by the IMT Atlantique Research department in Energy and Environmental Systems. This internationally renowned laboratory has strong links with CNRS.

TUITION FEES AND SCHOLARSHIPS
12,000 Euros / year
Scholarships opportunities for:
- Excellent profiles, Alumni from our partner universities, European citizens, etc.

IMT ATLANTIQUE
IMT Atlantique is a “Grande Ecole” ranked among the best French Graduate Engineering Schools, and recognized internationally as a leading Technological University (Shanghai, QS and THE rankings).
It is a member of IMT, the largest group of public Engineering and Management Graduate Schools in France.

INTERNATIONAL EXPERIENCE
CampusFrance “Bienvenue en France” guarantees the quality of the experience for international students.

> On-campus accommodation, restaurants, sports facilities
> Orientation Days & French Summer School
> A variety of student clubs

Find out more:
www.imt-atlantique.fr/pbpe
Contact us:
pbpe-apply@imt-atlantique.fr
Apply:
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International students FAQ:
www.imt-atlantique.fr/student-faq

Alumni Testimony
Emmanuel (Nigeria)
“I was fortunate during my Masters, even though our class was less than 50, we had like 22 different nationalities. It was truly a rewarding experience!”

Watch the video:
youtube.com/watch?v=9GVYkrdJUZ0