On the contrary, they are internationally shared topics which require multi-nation analysis and solutions. It is thus fundamental that future specialists have an international perspective and have studied in a multicultural program.

**PROGRAM**

**Scientific and technical modules:**
- Transfer phenomenon
- Introduction to Energy & Environmental issues
- Environment and process engineering
- Incineration and Waste Minimization
- Air and soil remediation
- Water Treatment Processes
- Water strategies and innovation
- Process modeling, simulation and control
- Thermodynamics for Energy systems
- Renewables
- Energy systems
- Energy efficiency and services
- Energy networks
- Energy modeling and Optimization

**Social Science and Management modules:**
- Project management
- Energy management

**Professional coaching (Student centred process of reflection on competencies and professional objectives)**
- 6-month MSc thesis in Industry or research lab

**ADMISSION REQUIREMENTS**

Bachelor degree in Engineering or Science in Chemical Engineering, Mechanical Engineering, Environmental Engineering or Energy Engineering... or an equivalent degree.

Possible admission into the 2nd year of the Master for the students who already have a Master degree (year 1) or at least a four-year university degree in Environment (process Engineering applied to air, water, waste)...

**LANGUAGE REQUIREMENTS**

- English
- Mother tongue or
- Bachelor degree taught in English or
PROJECT MANAGEMENT FOR ENVIRONMENTAL & ENERGY ENGINEERING
MASTER OF SCIENCE

> English test such as:
> TOEFL IBT 80
> IELTS 6.0
> TOEIC 750
> Cambridge

No prerequisite in French.

APPLYING
Apply at:
https://pbpe.imt-atlantique.fr

STRONG POINTS OF THE SCHOOL
> MSc accredited by the Ministry of Higher Education, Research and Innovation
> International Faculty
> Masters taught entirely in English and in small groups
> Strong links with the industries
> 6-month master thesis in industry or in a research lab
> European track possibility
> Intercultural seminars
> Free French language courses
> Master boosted by a research department
> An international team for international students
> A quality chart to welcome international students
> Accommodation available on campus
> Scholarship based on excellence
> French Summer School program in July and August for students who wish to improve French language and culture skills

COMPETENCES ACQUIRED
> A strong scientific background and technical knowledge in environmental and energy processes
> A good know-how in process modeling and simulation
> Cross-disciplinary management skills essential to set up and pilot projects in an international context
> A significant grounding of social sciences for engineers

TYPICAL JOBS
> Project engineer - Is involved in projects of construction or improvement of industrial units, design and optimization of clean manufacturing processes, pollution, waste and water treatment facilities, energy conversion and distribution systems
> Exploitation or production engineer - Runs and manages an industrial production unit at different levels (technical, financial, human, regulatory); coordinates and implements environmental management activities of the firm
> Business or consultant engineer - Assesses new markets and develops new activities for firms at an international level, carries out audits and consultancy for industry, especially for sustainability and transfer of new technologies
> Research & Development - Designs, carries out experimental studies, develops models and simulates innovative processes applied to air, water, waste treatments or energy production

COST
Participation cost for free movers:
> €12,000/year

SCHOLARSHIPS
Scholarships are available depending on the applicant's situation:
> Excellence of profile
> Country of origin
> University of origin
> Participation to student's fair
> Recommendation from French Embassy, etc

CALENDAR
One intake per year in September.
Year 1: Two academic semesters on Nantes campus
Year 2: One academic semester on Nantes campus + 6-month Master thesis in industry or in a research lab.

LODGING
The student's residence (called "MDE") located on campus offers furnished individual rooms. They are 18m² and equipped with a private bathroom and a small kitchen. Some rooms for couples are also available. The standard size is 30m², including a living room and a separate bedroom.

housing-nantes@imt-atlantique.fr

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