

# PM3F

## INTERNATIONAL MASTER OF SCIENCE (M.S.) DEGREE in PROCESS & BIOPROCESS ENGINEERING

Project Management for Food  
Factories of the Future (Pm3F)



offered by



In collaboration with



and



**ARE SUSTAINABILITY ISSUES  
MOTIVATION FACTORS IN YOUR  
CAREER CHOICE ?**

**LAUNCH INTO THE FAST GROWING  
INDUSTRIES OF FOOD PROCESSING  
OR BIOTECHNOLOGIES**

**BECOME A CHANGEMAKER IN  
ENERGY & CLEAN TECHNOLOGY  
CONTROL SYSTEMS**

# PM<sub>3</sub>F

PROJECT MANAGEMENT  
FOR FOOD FACTORIES  
OF THE FUTURE

## PROFILE

This 2 year integrated program is open to holders of a Bachelor's degree eager in acquiring key competencies in Project Management for Environmental and Energy Engineering (1st year-PM3E), applied to the Food Processing field (2nd year – PM3F).

- **To apply to the first year of master (M1)** : candidates with at least a scientific Bachelor of Science degree
- **To apply directly to second year of master (M2)** : candidates with a four year Bachelor degree or with a first year master's in scientific disciplines such as Chemical, Mechanical, Civil, Environmental, Electrical or Food Engineering, Physics or Chemistry.

## CAREER OPPORTUNITIES FOR GRADUATES

- Project Engineer
  - Exploitation or Production Engineer
  - Consultant Engineer
  - Research & Development
- in
- Food and related industries (Biotechnology, Cosmetics, Pharmaceutical)
  - Equipment suppliers and manufacturers
  - Technical Research Centers and Engineering firms

*Pm3f graduates can go into PhD programs.*

## ABOUT US

PM3F is an integrated specific curriculum of a Master of Science in Process and Bioprocess Engineering accredited by the French Ministry of Higher Education and Research.

The first year, PM3E (Project Management in Environmental and Energy Engineering) takes place at IMT-Atlantique<sup>1</sup> and focus on Ecotechnologies and Environment Process Engineering.

The second year, PM3F, takes place at Oniris<sup>2</sup>. After fundamentals of Food science, / safety and quality, emphasis is given to innovative food processing, energy management and advanced control. This period is concluded by a 6 month Master Thesis which can be completed at GEPEA<sup>3</sup> or in any other laboratory or company.

**A 3 800 m<sup>2</sup> (41 000 sq ft)**

**State-of-the-Art Technology Pilot Processing Plant**

① Institut Mines Telecom Atlantique is an Elite Graduate School specialized in Digital Technology, Environment and Energy  
[www.imt-atlantique.fr](http://www.imt-atlantique.fr)

② Ecole Nationale Vétérinaire Alimentaire et de l'Alimentation (Oniris) is an Elite Graduate School with a campus dedicated to Food Science and Technologies  
[www.oniris-nantes.fr](http://www.oniris-nantes.fr)

③ GEPEA-CNRS 6144 (Process Engineering for Environment and Food) is a lead Research Unit where Academics and Researchers of IMT-A, Oniris and University of Nantes interact  
[www.gepea.fr](http://www.gepea.fr)

# PM<sub>3</sub>F

PROJECT MANAGEMENT  
FOR FOOD FACTORIES  
OF THE FUTURE



## ENTIRE MASTER'S PROGRAM TAUGHT IN ENGLISH

### 1ST YEAR – program structure at IMT Atlantique



Students applying for the first year of the Master's program  
are invited to take a look at the program offered by ITM Atlantic

<https://www.imt-atlantique.fr/en/study/masters/msc/pbpe-pm3e?p=dcTGY%3DLXWE1yBYFolyOT>

### 2ND YEAR SEMESTER 1 – program structure at Oniris



#### Food Engineering & Food Science – Basics

#### Food Safety & Quality Management – Basics

#### Product Innovation & Food Safety – advanced

#### Advanced tools & Methodologies for food characterization

#### Innovative Food Processing

#### Energy & Sustainability

#### Advanced Process Control

#### Communication & Leadership for Engineers

#### Laboratory Project

### 2ND YEAR SEMESTER 2 – Master Thesis –

Internship in Industrial Companies or in Research Units

## APPLICATION PROCEDURE

Candidates can apply from October 15th to May 15th (extended to June 15th for European students).

- Applicants in the first year of the Master's degree are invited to apply via this platform : <https://pm3e.imt-atlantique.fr/>
- Applicants requesting direct access into the second year of the Master's degree are invited to send a complete application form to the following address : [contact.master@oniris-nantes.fr](mailto:contact.master@oniris-nantes.fr)

For the required documents, please consult the section Selection Procedure on the website.  
<https://www.oniris-nantes.fr/etudier-a-oniris/les-masters/pm3f/>



# PM<sub>3</sub>F

PROJECT MANAGEMENT  
FOR FOOD FACTORIES  
OF THE FUTURE



## MSC TUITION FEES

### 1ST YEAR AT IMT ATLANTIQUE – MSC PBPE PM3E

<https://www.imt-atlantique.fr/en/study/msc/tuition-fees>



### 2ND YEAR AT ONIRIS – MSC PM3F



## APPLICATION SESSION FOR 2022 - 2023 ACADEMIC YEAR

Deadline : **15th May 2022** for non Europeans candidates  
**15th June 2022** for Europeans candidates

### COST

**3 243€** for European students.

**6770€** for non-European students.



### CONTACT

International Relations office : [contact.master@oniris-nantes.fr](mailto:contact.master@oniris-nantes.fr)

Website : <https://www.oniris-nantes.fr/etudier-a-oniris/les-masters/pm3f/>

*The PM3E/PM3F M.S. Degree is accredited by the Ministry of Higher Education and Research and is credited 120 ECTS.*

