

### Application deadline

- For admission with an Erasmus Mundus scholarship: December 15<sup>th</sup> 2011.
  - For admission without an Erasmus Mundus scholarship: February 29<sup>th</sup> 2012.
- Admission and application requirements are available on the website:

<http://www.em3e.eu>

### Contact and Information

For any question about EM<sup>3</sup>E, please contact us at: [master-em3e@univ-montp2.fr](mailto:master-em3e@univ-montp2.fr)  
EM<sup>3</sup>E website: <http://www.em3e.eu>

### Partners

Université Montpellier 2 Sciences et Techniques (France) - coordinating organisation  
Université Paul Sabatier (France)  
Institute of Chemical Technology Prague (Czech Republic)  
Universidade Nova de Lisboa (Portugal)  
Universidad de Zaragoza (Spain)  
University of Twente (Netherlands)

### Associated partners

Università della Calabria (Italy)  
Katholieke Universiteit Leuven (Belgium)  
Université Hassan II Mohammedia (Morocco)

EM<sup>3</sup>E is supported by the European Commission, the European Membrane Society (EMS), the European Membrane House (EMH) and a large international network of industrial companies, research centers and universities related with membrane science.

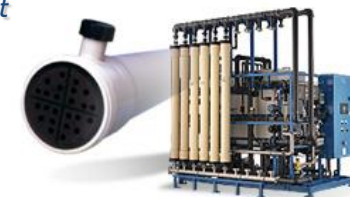


## European Master ERASMUS MUNDUS MASTER in MEMBRANE ENGINEERING

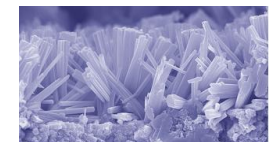
Energy



Environment

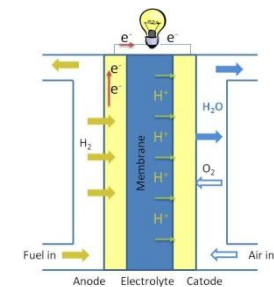


Biotechnologies



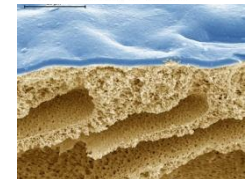
Food

Health



Nanotechnologies

Nanosciences



*"Membranes have a key role to play in the new technologies and in separation operations"*



# European Master Erasmus Mundus Master in Membrane Engineering

Membrane engineering is a **growing field** providing solutions in different areas: energy, environment, biotechnologies, food, health, nanotechnologies and nanomaterials. **New opportunities** in different areas are constantly appearing.

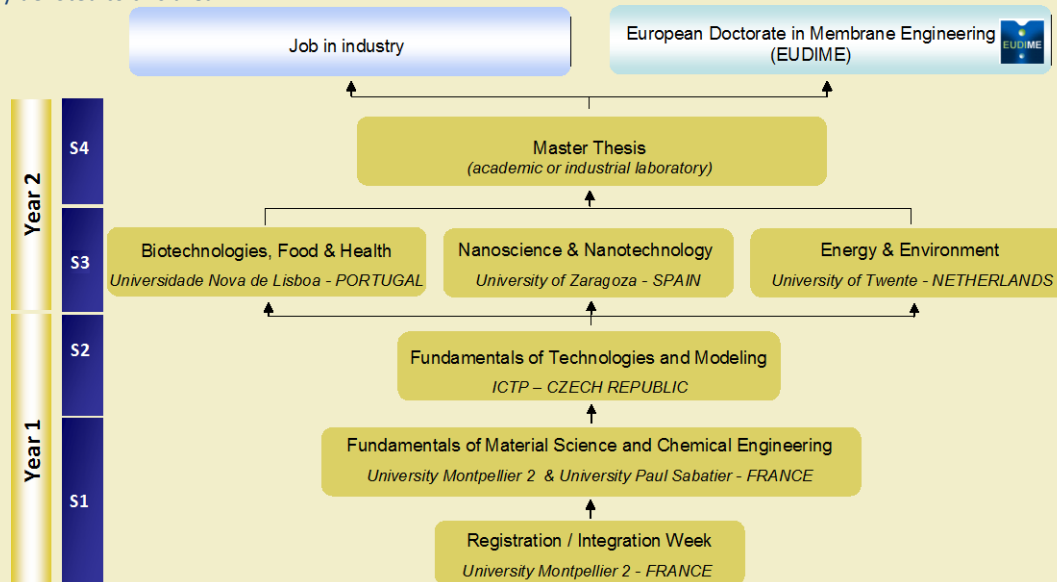
EM<sup>3</sup>E offers an advanced education programme related to **membrane science and engineering** at the interface between **material science** and **chemical engineering** and focused on specific applicative fields.

Despite a favourable growth rate in the field of membrane technology, EM<sup>3</sup>E is the only Master fully devoted to this area.

## Objectives of the EM<sup>3</sup>E project

To expand knowledge and educate students in Membrane Science in order to provide outstanding students to be inserted in the industry or in academic research.

To promote excellence, innovation, mobility and diversity in high-quality courses related to membrane science and engineering at the interface between material science and chemical engineering



S: semester.

## Programme Details

The programme spreads over 2 years (120 ECTS) of normal study.

The courses provided in the 4 semesters, S1-S4, bridge different scientific domains like material science, physics & chemistry, engineering & processes, while keeping a focus on relevant applications of membranes in food and health industry, industrial and chemical processing, energy, environmental control, pharmaceutical industry, biomedical applications, etc.

## Three possibilities of specialization

- Biotechnologies, Food and Health,
- Nanosciences and Nanotechnologies,
- Energy and Environment.

Around 30 students per edition (both non-European and European students altogether).

All students will study in 3 different top universities and will grow in a multicultural and multilingual environment, in 3 different European countries, surrounded by students and teachers trained in the best universities in the world.

All courses are taught in English.

After achievement of the curriculum, students will graduate with a multiple Master degree in 'Membrane Engineering' awarded by the three universities where the students have studied and recognized in each partner country.



Montpellier (France)



Toulouse (France)



Prague (Czech Republic)



Lisboa (Portugal)



Zaragoza (Spain)



Enschede (Netherlands)

## Admission criteria

The Master course is open to everyone, non-European and European students.

Candidates must hold a first cycle degree in Science, Chemical Engineering or Bio Engineering. They will be evaluated on the basis of their academic grades, professional experience, motivation letter, recommendation letters and language skills.

## Tuition and registration costs

Non-European students:

8 000€/year.

European students: 4 000€/year.

## Grants

All students can apply to an Erasmus Mundus scholarship (2 years). Their number is limited.

Amount: 24 000 €/year non-European students and 10 000 €/year European students.

## About Erasmus Mundus

Erasmus Mundus is an educational programme launched by the European Commission to promote the cooperation and mobility of higher education. It is a unique opportunity to offer attractive scholarships to non-European and European students by placing emphasis on the diversity of the students' origin.