

Application

Admission and application requirements are available on the website:
<http://www.em3e-4sw.eu>

Contact and Information

For any question about EM3E-4SW, please contact us at: em3e-4sw-project@umontpellier.fr
EM3E-4SW website: <http://www.em3e-4sw.eu>

Partners

Université de Montpellier (France) - coordinating university
Université Toulouse III Paul Sabatier (France)
University of Chemistry and Technology Prague (Czech Republic)
Universidade Nova de Lisboa (Portugal)
Universidad de Zaragoza (Spain)
University of Twente (The Netherlands)

Associated partners

Università della Calabria (Italy)
Katholieke Universiteit Leuven (Belgium)

The EM3E-4SW programme is funded by the European commission as Erasmus Mundus Master.

EM3E-4SW is supported by 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
MASTER in
MEMBRANE ENGINEERING
FOR A SUSTAINABLE WORLD

“Membranes have a key role to play in the new technologies and in separation operations”

Energy

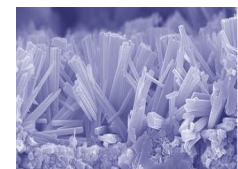


Environment

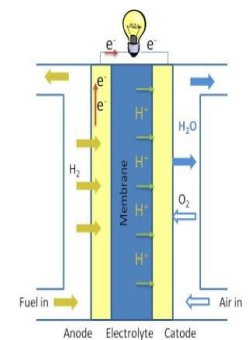


Biotechnologies

Food

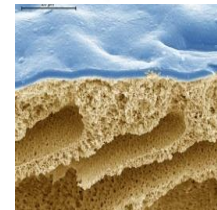


Health



Nanotechnologies

Nanosciences





European Master Master in Membrane Engineering for a Sustainable World

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.

EM3E-4SW 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, EM3E-4SW is the only Master fully devoted to this area.

Objectives of the EM3E-4SW programme

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

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

All courses are taught in English.

After achievement of the curriculum, students are graduated with a multiple Master degree in 'Membrane Engineering' - one for each university attended - and recognized in each partner country.



Montpellier (France)



Toulouse (France)



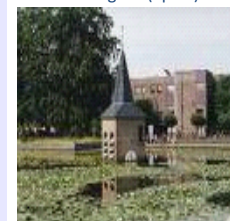
Prague (Czech Republic)



Lisboa (Portugal)



Zaragoza (Spain)



Enschede (Netherlands)

Admission criteria

The master is open to non-European and European students. Candidates must hold a first cycle degree in Chemistry, Physics, Materials Engineering, Chemical Engineering, Bio-chemical Engineering, or equivalent degrees in one of the previous domains. Applicants are evaluated on the basis of their academic grades, professional experience, motivation letter, recommendation letters and language skills.

Tuition and registration costs

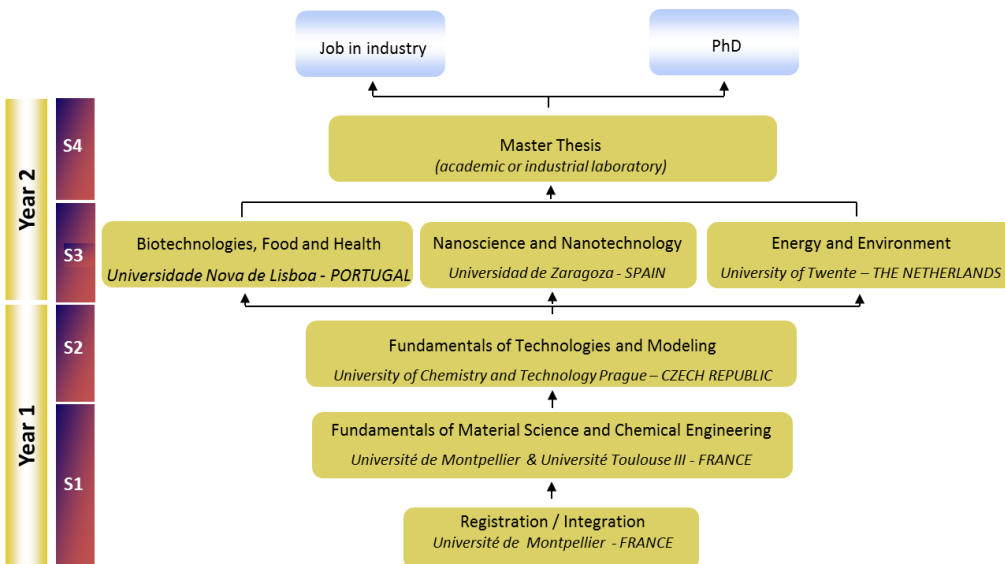
Information available on <http://www.em3e-4sw.eu>

Grants

Being an EM3E-4SW student gives you the opportunity to receive a scholarship (Erasmus+ or consortium) depending of the number of scholarships available in each edition.

About Erasmus Mundus

The EM3E-4SW master is labelled by the European commission as Erasmus Mundus Master from 2011. Erasmus Mundus supports top-quality European Master's Courses and enhances the visibility and attractiveness of European Higher Education in third countries.



S: semester.