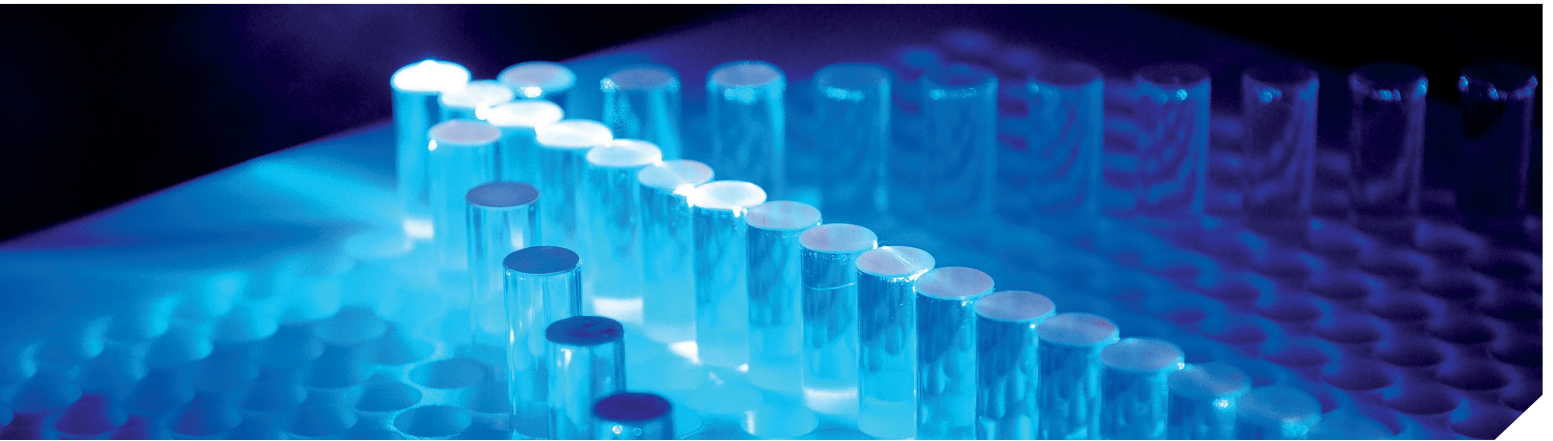


# ADVANCED MATERIALS

## 60 ECTS BACHELOR'S DEGREE : DUETI



### WHAT IS DUETI?

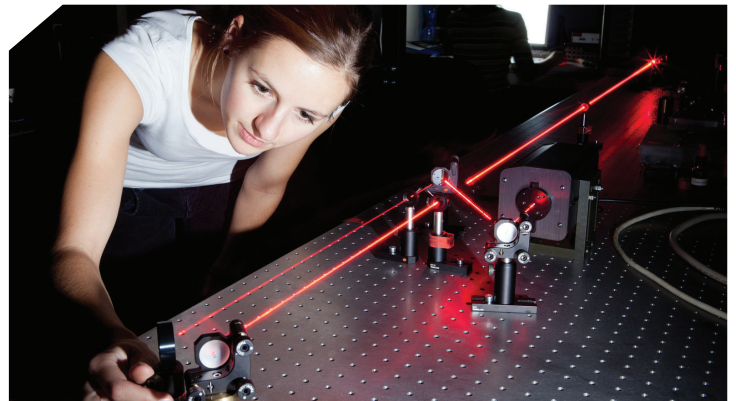
DUETI is a one year university training in materials science coupled with a bachelor's degree (European L3 level) of University of Montpellier. Upon enrolling students choose their major between : Applied Physics, Chemistry, and Electrical Engineering.

### // WHAT WILL YOU LEARN?

The core of the curriculum is physics, chemistry, engineering and characterization tools of advanced materials.

The main modules of training program are:

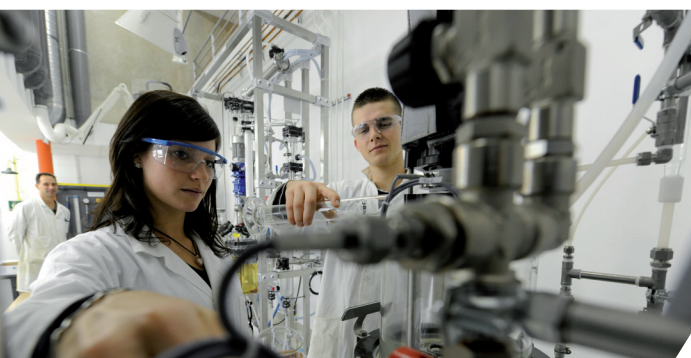
- Zero-gap materials: fullerenes, nanotubes, graphene;
- Renewable energies: green electronics and photonics;
- Interaction of light with matter. Biophotonics;
- Spectroscopies, microscopies, imaging.
- Molecular modeling.



Lectures, tutorials and laboratory classes are proposed. Small groups tutorials are held every week. Students are introduced to the technics of clean room, chemical laboratory, and spectroscopies (IR, Raman, NMR). The program includes a 5-month work placement in industry and/or partner institutions in Europe.

The program offers also classes oriented towards development of general knowledge. There are introductory lectures in economics (comparative business environment, market study), classes of French and French culture, and activities aiming the personal development (oral presentations, scientific writing skills, job applications).

The formation is supported by internationally recognized universities in Europe, Asia and the USA. It is open to French and foreign students.





## // WHAT COULD YOU DO AFTER DUETI ?

The bachelor degree of University of Montpellier give you the access to Master study all over the world. Many of them are material science oriented:

- MAMASELF (Master in material science exploring large scale facilities) Rennes/Fr, Montpellier/Fr, Torino/It, München/Ge;
- EM3E (Erasmus Mundus Master in Membrane Engineering) Lisboa/Pt, Montpellier/Fr, Zaragoza/Sp, Twente/Nd, Prague/Cz, Toulouse/Fr, Leuven/Be, Arcavacata di Rende/It;
- Erasmus Plus Master in Chemical Nanoengineering Marseille/Fr, Rome/It, Wroclaw/Pl.

Montpellier: Dream, smile, unleash your desires for new horizons... in this willfully immersive place. Let yourself be carried away by an area full of surprises, discoveries and enjoyment.



## // CONTACT:

LUCYNA FIRLEJ,  
Professor, UM  
[lucyna.firlej@umontpellier.fr](mailto:lucyna.firlej@umontpellier.fr)

JÉRÉMIE TORRES  
Associate Professor, UM  
[jeremie.torres@umontpellier.fr](mailto:jeremie.torres@umontpellier.fr)

ALINE DHERBET  
International Office, IUT-UM  
[aline.dherbet@umontpellier.fr](mailto:aline.dherbet@umontpellier.fr)

