

LUMOMAT Chemistry Master's Degree : No equivalent course in France !

Organic electronics and photonics (plastic electronics, smart organic materials) are considered industrial fields with very high potential. They will compete with traditional technologies and become the 3rd sector of electronics by 2020.

To accompany this revolution, the role of expert chemists is of critical importance. The LUMOMAT Chemistry Master's Degree aims at answering this demand.

There is no equivalent chemistry course in France; this makes the LUMOMAT Master's degree a real opportunity for chemistry students who have an interest in these areas and for recruiters who are looking for experts in these fields.



Contact

Noémie Barbot

Noemie.Barbot@univ-angers.fr

LUMOMAT Project manager | Phone : +33 2 41 73 50 11

Mohammed Boujtita

Mohammed.Boujtita@univ-nantes.fr

Education manager for 1st year MD in Nantes

Phone : +33 2 51 12 57 23

Philippe Leriche

Philippe.Leriche@univ-angers.fr

Education manager for 2nd year MD in Angers

Téléphone : +33 2 41 73 50 10

Université de Nantes : http://www.sciences-techniques.univ-nantes.fr/1403862215240/0/fiche_formation/&RH=1183050943696

Université d'Angers : <http://www.univ-angers.fr/fr/formation/offre-de-formation/MLMD/0004/master-lumiere-molecules-materiaux.html>
www.lumomat.fr

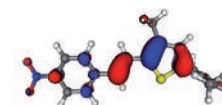
The LUMOMAT Master's degree is supported by all the partners of the **RFI LUMOMAT** (Research – Formation – Innovation)



ATLANPOLE
L'Esprit Technopole



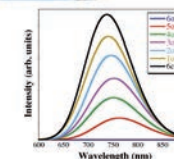
Chemistry MASTER'S DEGREE lumomat



Conception



Organic
synthesis



Characterization



Devices

Interaction **LU**mière (Light)
MOlécule (Molecule)
MATières (Matter)



www.lumomat.fr



From the organic molecule to electronic or photonic devices

Following to opening in 2014 of the first year LUMOMAT MD in Nantes...Opening of the second year LUMOMAT MD in september 2015 in Angers

Why offer this Chemistry Master's degree ?

This Master's Degree provides a solid and complete training in chemistry with a specialization based on molecular materials for organic electronics and photonics. This training is based on a multi-disciplinary approach combining various fields of chemistry and physics for organic molecules used for photonics and electronics.

Why this MD ?

- To increase the expertise to meet industrial needs.
- To promote the interactions network between industrial groups and academics.
- To promote the LUMOMAT project and help it reach a level of excellence in the Region

For students

- To increase the skills of both Master's and PhD students
- To increase scientific and technical skills in conjunction with project management
- To promote the professional integration of students (both at Master's and PhD levels)

For laboratories and industry

- To fully benefit from their cooperation by associating Master's and PhD students
- To increase the skills of industrial staff by cooperating with Academics
- To promote applications inside academic labs by associating with industrial groups

A quality training and new ways for successful professional integration

- Grants for international mobility,
- Summer schools,
- Conferences,
- Partnership with the industry,
- Access to research laboratory equipment for practicals and research projects,
- Preparation to language certificates (courses in English during the MD 2nd year)
- Tutored projects in laboratories (practical and transversal applications of theoretical classes)

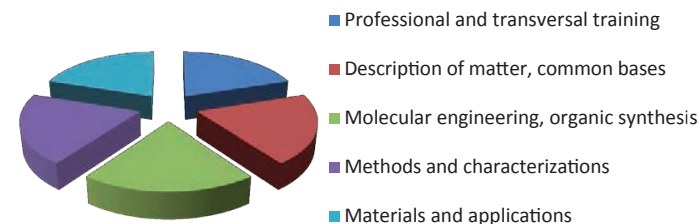
Career prospects

- PhD in chemistry in the field of Molecular Materials for Organic Electronics and Photonics
- Engineer in Research and Development (start-ups, medium size and large companies)
- Engineer in public research organizations (University, CNRS, INRA, INSERM...)
- Senior executive in production or Research and Development services
- Project Manager



Course organization

The LUMOMAT MD includes five complementary and balanced parts over two years. The LUMOMAT MD (1st year) is based in Nantes and taught in French. The 2nd year is based in Angers and taught in English.



LUMOMAT MD

- Practicals represent one third of the courses
- One semester dedicated to internship in France or abroad in academic or industrial labs.

Access and admission conditions

- MD (1st year) = Third-year Chemistry or Chemical Physics graduates
- MD (2nd year) = Priority is given to first-year post-graduates from the LUMOMAT MD but it is also opened to other first-year chemistry MD post-graduates, under certain conditions.