Master 2 programme
Semester 3 (30 credits)

2 units of Physics

AE1-PHY: Electronic structure and vibration-rotation spectroscopy

AE2-PHY: Radiative transfer in the atmosphere

3 units of Chemical Physics

AE3 : Physics and chemistry of the atmosphere

AE4: Spectroscopic and optical methods

AE5: Observation systems for atmospheric composition

1 unit of Language

AE6: Advanced English / French

Semester 4 (30 credits)

Research training in Laboratory

Full-time research position at LOA / LPCA / PhLAM (choice)

Informations

Person in charge of the Speciality

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Web site:

http://master-physique.univ-lille1.fr

Université Lille1 Sciences et Technologies

MASTER Physics

http://master-physique.univ-lille1.fr

Speciality

Light – Matter

International Master 2

Atmospheric Environment

http://master-physique.univ-lille1.fr/parcours.php?show=12

A high level of education
A research at the top level
A friendly environment

Fellowships are available

Université Lille1 Sciences et Technologies
Cité Scientifique 59655 Villeneuve d'Ascq Cedex Tél. +33 (0) 3.20.43.43.43 | www.univ-lille1.fr

The education objectives

The International Master 2 "Atmospheric Environment" of the University of Lille 1 is providing a formation (1 year) in the physics and chemistry of the atmosphere, at the best level.

It is supported by the French Laboratory of Excellence CaPPA (Chemical and Physical Properties of the Atmosphere).

The formation is dedicated to physicists and chemists having a diploma of Master (1st year), wishing to follow a specialization in atmospheric sciences to get a strong background in theory and practical works.

The education language is English. The first semester (Sept-Jan) is dedicated to lectures/practical works, and the second semester (Feb-Jul) is a full time research training in Laboratory. A large selection of research projects will be proposed to the Master 2 students, who will make a choice after visiting the Laboratories.

The jobs

- PhD thesis in a Research laboratory.

- Engineer in air quality, in atmospheric measurements, in remote sensing.

Application

The International Master 2 Atmospheric Environment is open to physicists and chemists having a diploma of Master 1st year. If you apply in Physics, you should have a Master 1 diploma in Physics / Chemical Physics. The application forms are available on the web site at the end of March http://master-physique.univ-lille1.... and must be returned by the May 15th. The answer is sent to each candidate by the end of May.

Students studying out of France:

Once you are selected you need to go through a particular procedure.

You first need to check if your country has a Campusfrance agency.
If so, you need to follow the Campusfrance procedure (online application and interview): www.campusfrance.org. Campusfrance is also in charge of visa issuing.

If not, you need to follow the Lille1 validation process (documents will be sent by the University of Lille1).

Fellowships are available for students having the highest academic records (7 k€/year). Please consult the application form.

School fees (2012-2013): 250 € (inscription) + 207 € (social security) + 5€ (doctor visits).The fees are updated each year.

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The Physics Laboratories of the Labex CaPPA

These laboratories are associated with the CNRS

Laboratoire de Physique des Lasers, Atomes et Molécules (PhLAM)
UMR 8523 CNRS - Université Lille1
located at Villeneuve d'Ascq
http://www-phlam.univ-lille1.fr/

Laboratoire d'Optique Atmosphérique (LOA)
UMR 8518 CNRS - Université Lille1
Located at Villeneuve d'Ascq.
http://www-loa.univ-lille1.fr/

Laboratoire de Physico-Chimie de l'Atmosphère (LPCA)
UA CNRS - Université du Littoral Côte d'Opale
Located at Dunkerque.
http://mreid.univ-littoral.fr/lpca

Chemical and Physical Properties of the Atmosphere

Labex CaPPA

http://labex-cappa.univ-lille1.fr/

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