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<http://chimie.univ-lille1.fr/formations/Masters>

ASC Master : <http://www.master-asc.org>

AE Master : <http://www.labex-cappa.fr/master-atmospheric-environment>

Contacts

Cédric LION

Director of studies

Tel : +33 (0)320.436.908
cedric.lion@univ-lille1.fr

Sylvain CRISTOL

Master Coordinator

Tel : +33 (0)320.434.503
sylvain.cristol@univ-lille1.fr

Jérémy LECLERCQ

Secretary

Tel :

Objectives

The Master of Science in Physical and Analytical Chemistry (PAC) aims at preparing students to become experts in **Physical Chemistry** with strong skills in theoretical and practical **Spectroscopy**. This program is intended for students eager to develop an **international culture** and looking for a worldwide **mobility**.

The Master PAC is providing an **English-speaking training** of excellence, bringing the necessary tools and knowledge to students to carry on **doctoral studies**. Students will develop a highly specialised know-how and a rare practical experience supported by state-of-the-art technologies.

Throughout the first year, students are introduced to the fields of specialization of the second year : **advanced spectroscopy applied to the various fields of chemistry** (solid state chemistry, catalysis, sustainable chemistry, nanomaterials, biomaterials...) and **atmospheric chemistry**.



Study Program

The study program is composed of **theoretical courses** and optional units. A substantial part is also dedicated to **practical work** and **research projects**, where **group work** is as essential as **student centered learning**.

English is compulsory for all students. Besides, a French course is proposed to international students to help them in their day-to-day life.

Moreover, two extra courses are taking place at the beginning of the year: an **English intensive course** for bringing everyone up to standard, and an **intercultural module**

Admission conditions

The Master Physical and Analytical Chemistry is targeting European and International students holding a **Bachelor of Science** (*i.e.* 180 ECTS) or an equivalent Diploma in the following fields of studies: **Chemistry, Physical Chemistry, Biochemistry** or **Physics**.

The minimum advised language level corresponds to the B2 level (independent user) of the Common European Framework of Reference for Languages.