

International university diploma in chemistry and physics

This 1 year International University Diploma in Chemistry and Physics enables the student to study science totally in English while taking French language classes. In the second year, the students can enter into a French National Licence program.

Présentation

This International University Diploma (IUD) in Chemistry and Physics enables the student to study from both Physics and Chemistry departments. In the second year, the students that have su



group picture of 2018/2019 year group

Durée de la formation

- Libellé inconnu

Lieu(x) de la formation

CY Neuville campus

Langues d'enseignement

- Libellé inconnu
- Libellé inconnu

Rythme

- Temps plein

Modalités

- Présentiel

Renseignements

staff.iud-chemistry-and-physics@ml.u-cergy.fr

Coût de la formation

Registration fees of 5 000 euros for the year and 92 euros of governmental taxes. Registration fees include the following services: tuition for program, science and French courses

Modalités d'inscription

Students in Europe will follow the Parcoursup procedure. Upon their admission, international students will receive an admission letter and

should come back to the Institution within 2 weeks with their final decision.

Admission

Pré-requis

Formation(s) requise(s)

Admission procedure:

- High school diploma
- English proficiency – IELTS 5.5 or equivalent
- Proof of good academic performance
- Acceptance of candidatures by admission committee

Et après ?

Poursuites d'études

- In the second year, the students that have successfully passed their year enter into a second year program leading to a National Licence 3 year Degree.

Programme



1st Semester : 30 c

UE

Maths for science 1

- UE1** - Functions : limits, continuity
numbers - 2 variables function
-

Introductory chemistry

- UE2** - Atoms : Emission and absorption
Lewis and VSEPR models, covalency
try : Acids and bases in aqueous
-

Introductory physics

UE3 Kinematics - Dynamics : Newton dynamics : 1st Law - **Laboratory**

UE4 **Introductory computer science**
Introduction to algorithms and programming

UE5 **General French language**

UE6 **Scientific French**



2nd Semester • 30 credits

UE

Maths for science 2

UE1 Taylor expansions - Different
Matrices - Complex numbers

Chemistry 2

UE2 Solution, organic and thermodynamics - 1st and 2nd laws of the
Chemical potential - Phase chemistry - Electronic structure

Physics

UE3 Thermodynamics : 2nd law and hydrodynamics - viscosity - Kinetics

UE3 hydrodynamics, viscosity - in
planet motions - **Laboratory**
stellarium, collisions

UE4 **Computer science**
Introduction to programming

UE5 **General French language**

International University Diploma Program