PROGRAMA DE DOBLE TITULACIÓN UAM-ECPM

Developing talents to promote a creative and responsible chemistry in an international context

INFORMACIÓN UNIVERSIDAD DE ESTRASBURGO- ECPM
Towards the double degree

2/3 diploma:

- Grado & Master of your University (UAM)
- Diplôme d’ingénieur de l’ECPM
- (+ Master of the University of Strasbourg)
The ECPM, a department of the University of Strasbourg

University of excellence
35 departments
71 research centers
57,000 students
20% international students
5,800 academic & administrative staff
A wide range of training programs covering all disciplines

<table>
<thead>
<tr>
<th>ART, LITERATURE, LANGUAGES, VISUAL ARTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Performing Arts Cross-Culturality and Languages</td>
</tr>
<tr>
<td>Foreign Languages World Literatures and Civilizations</td>
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<tr>
<td>Applied Foreign Languages</td>
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<tr>
<td>French Language and Literature</td>
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<tr>
<td>Music</td>
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<tr>
<td>Language sciences</td>
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<table>
<thead>
<tr>
<th>LAW, ECONOMICS, MANAGEMENT, POLITICAL AND SOCIAL SCIENCES</th>
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<tbody>
<tr>
<td>Economic &amp; Social Administration, Accountancy, Management</td>
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<tr>
<td>Public Administration, Local and regional authorities</td>
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<tr>
<td>Business Communication</td>
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<td>Law</td>
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<td>Economics &amp; Management Mathematics &amp; Economics Political Science</td>
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<table>
<thead>
<tr>
<th>SOCIAL SCIENCES AND HUMANITIES</th>
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<tbody>
<tr>
<td>Archeology</td>
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<tr>
<td>History</td>
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<tr>
<td>Art history Geography</td>
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<tr>
<td>Urban planning Journalism Philosophy Psychology, educational sciences Social Sciences Physical Activity Studies</td>
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<td>Catholic Theology Protestant Theology</td>
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<table>
<thead>
<tr>
<th>SCIENCES, TECHNOLOGY, HEALTH</th>
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<tbody>
<tr>
<td>Chemistry</td>
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<tr>
<td>Materials Mathematics</td>
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<tr>
<td>Computer Sciences Physics</td>
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<tr>
<td>Engineering Science Life Sciences Biotechnology</td>
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<td>Earth sciences &amp; environment</td>
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</tbody>
</table>
High level well-equipped campuses

100 buildings on 4 campuses: Central, Medicine, Illkirch, Cronenbourg
The university of Strasbourg, a research actor at international level

4 Nobel prizes in Chemistry / Medicine

Jean-Pierre SAUVAGE
Chemistry (2016)
ECPM (1967)

Martin KARPLUS
Chemistry (2013)

Jules HOFFMANN
Medicine (2011)

Jean-Marie LEHN
Chemistry (1987)

1 Kavli prize: Thomas EBBESEN / Nanosciences (2014)
3 CNRS Gold medals (French National Centre for Scientific Research)
15 members of the Académie des Sciences (Academy of Sciences)
The ECPM, an international engineering school

Department of the University of Strasbourg
420 students (20% international students)
40 teachers-researchers
6 research laboratories
More than 300 researchers
150 PhD-students
Our engineering degree is now 100 years old in 2019
Modern buildings, 20000 m², multimedia classrooms and lecture halls
# ECPM Study organisation

6 semesters (3 years)

<table>
<thead>
<tr>
<th>BACHELOR</th>
<th>MASTER</th>
<th>PhD</th>
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<tbody>
<tr>
<td>S1-2</td>
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<td>S11-12</td>
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<td>S13-14</td>
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<td>S9-10</td>
<td>S15-16</td>
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</tbody>
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Two years of preparation

**ECPM**

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France – Ecole d’ingénieur

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Université de Strasbourg
## Study organisation: Double diploma

### France – Ecole d’ingénieur

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Two years of preparation

### Spain - UAM

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<td>S7-8</td>
<td>S13-14</td>
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<tr>
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<td>S9-10</td>
<td>S15-16</td>
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<tr>
<td></td>
<td>MASTER</td>
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Two years of preparation
**ECPM – Universidad Autonoma de Madrid**

**Study organisation: 2 options (UAM ofrece 5 plazas cada año)**

### Double diploma: Semesters at the ECPM

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<tbody>
<tr>
<td>1st option</td>
<td>UAM (120 ECTS)</td>
<td>ECPM (180 ECTS)</td>
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<tr>
<td>2nd option</td>
<td>UAM (180 ECTS)</td>
<td>ECPM (120 ECTS)</td>
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### Spain - UAM/ France- ECPM

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<td>ECPM</td>
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1st option

2nd option
**ECPM curriculum: 6 semesters (3 years)**

<table>
<thead>
<tr>
<th>ADMISSION</th>
<th>1st year</th>
<th>2nd year</th>
<th>3rd year</th>
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<tbody>
<tr>
<td>Semester 1-4</td>
<td>Semester 5</td>
<td>Semester 6</td>
<td>Semester 7</td>
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Bachelor + 4 sem. Bachelor + 6 sem. Or equivalent

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**CHEMISTRY & ARTIFICIAL INTELLIGENCE**

- **CORE CURRICULUM**
- **Internship**

- **MOLECULAR CHEMISTRY**
- **ANALYTICAL CHEMISTRY**
- **MATERIAL SCIENCES**
- **POLYMERS**

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**FINAL YEAR PROJECT**

**ENGINEERING DIPLOMA**

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**18 months CORE CURRICULUM**

**18 months SPECIALIZATION**

**3 internships**

Equivalente al TFG en UAM

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UAM student 1st option

UAM student 2nd option

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Université de Strasbourg
The ECPM engineering program

During a 3-year programme, the ECPM aims at training chemical engineers with 4 specialties

- MOLECULAR CHEMISTRY
- MATERIALS SCIENCES
- ANALYTICAL CHEMISTRY
- POLYMERS

Equiparación con el Master de Química Orgánica o Química Aplicada en la UAM
**Molecular chemistry**
Synthetic chemistry to produce high added value products (health, medicines, agrochemistry, perfume, cosmetics, food industry).
+: Interface with biology / health

**Analytical Sciences**
Chemistry and physico-chemistry for the development of new analytical methods applied to the environment, health, food.
+: Advanced analytical methods and concrete case analysis
Polymers
Chemistry, physics, physical chemistry, process engineering applied to polymeric materials of structure and function (automotive, cosmetics, electronic, biomedical industries)
+: Multidisciplinary training (chemistry, physical chemistry, process engineering) unique in Europe

Materials sciences
Chemistry and physics of functional materials, products with high added-value for electronic devices, telecommunications, optics and instrumentation.
+: Fundamental basics for developing tomorrow's materials
**Technical skills**: lab sessions represent 40% of the programme

**Strong interaction with research**: courses & internships and projects in our 5 research laboratories

**Industry at the heart of the programme**:
- **3 internships**
- 15% of teaching is done by industrial partners

**International orientation**:
- **Language classes**: 11% the programme
- 40% of scientific lectures are in English or German; one internship has to be completed outside of France (for French students)
- The 3rd year can be spent entirely abroad (for French students)

**Formalizing of a career plan**: skills-based approach
Requirements (for both options)

Completion of the required years of Grado
(TENER LOS AÑOS DE GRADO EN LA UAM REQUERIDOS TODO APROBADOS)

Languages:

**French:** Minimum B1 / B2 recommended

**English:** B1 (B2 is required to get the Engineering diploma)

It is mandatory to have the language certification before applying for the Erasmus fellowship.
Your stay at ECPM – University of Strasbourg
The ECPM – University of Strasbourg
welcomes exchange students

International University House & ECPM international office

- Assistance on administrative issues
- Accommodation: room/apartment for each incoming international student
- French courses
- Integration programs for exchange students at ECPM and at university level
- Welcome day
- Cultural activities...

http://www.unistra.fr/index.php?id=24951
http://ecpm.unistra.fr/en/international/studying-at-the-ecpm/
As a student of the University of Strasbourg, you may benefit from:

- University Health Service
- Food & drink (lunch/diner ~ 3,20€)
- Culture (free entry to museums, discount cinema tickets, preferential rates for cultural events and festivals)
- Sports (60 different activities)
- Learning resources (computing services, libraries ...)

[Image of a student ID card]
City of Strasbourg

500,000 inhabitants
Border with Germany
At the heart of Europe
(1h 40 > Paris)

Video: Studying at the University of Strasbourg
International cooperation at the University of Strasbourg - L'international à l'Université de Strasbourg (unistra.fr)

http://www.unistra.fr/index.php?id=27112
Strasbourg, an easy living city

A pioneer city in terms of respect of the environment
The city of bicycles, trams and pedestrians
Chapter 1: The University of Strasbourg

LA PETITE FRANCE
Please contact

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**Prof. Dr. Xavier Bugaut (ECPM)**
Head of molecular chemistry dpt & strategic partnership manager
xbugaut@unistra.fr

**Testimonials:**

https://youtu.be/3XRyaB8wbHQ
https://youtu.be/ZPfr9OfOBOQ
https://youtu.be/92aC72dxewk?si=ZZGJ8Ne0akffYms9